



# Wisconsin Department of Transportation

March 27, 2024

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

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

## NOTICE TO ALL CONTRACTORS:

**Proposal #01: 1010-10-82, WISC 2024324**  
**Madison – Portage**  
**Wisconsin River Bridges**  
**IH 39**  
**Columbia County**

## Letting of April 9, 2024

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

### Special Provisions:

Revised Special Provisions	
Article No.	Description
4	Prosecution and Progress
8	Utilities
55	Furnishing and Planting Plant Materials for Living Snow Fence
88	Cofferdams B-11-184 Pier 12, Item SPV.0060.24
89	Underwater Scour Monitoring, Item SPV.0060.25
117	Trial Drilled Shaft Foundation 59.06-Inch, Item SPV.0060.30; Drilled Shaft Foundation 59.06-Inch, Item SPV.0090.12

Added Special Provisions	
Article No.	Description
129	Notice to Contractor – Existing Structure Monitoring

### Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
205.0100	Excavation Common	CY	307,341	-13,961	293,380
205.0200	Excavation Rock	CY	13,095	-875	12,220
312.0110	Select Crushed Material	TON	240,438	-34,485	205,953
501.1000.S	Ice Hot Weather Concreting	LB	216,895	30	216,925

502.0100	Concrete Masonry Bridges	CY	15,085	-135	14,950
502.3200	Protective Surface Treatment	SY	18,604	26	18,630
502.3210	Pigmented Surface Sealer	SY	4,201	8	4,209
505.0600	Bar Steel Reinforcement HS Coated Structures	LB	3,590,595	-34,520	3,556,075
509.5100.S	Polymer Overlay	SY	32,370	50	32,420
516.0500	Rubberized Membrane Waterproofing	SY	170	3	173
522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	17	-1	16
522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2	+1	3
603.1142	Concrete Barrier Type S42	LF	6,434	-17	6,417
604.0500	Slope Paving Crushed Aggregate	SY	2,645	-50	2,595
606.0300	Riprap Heavy	CY	1,571	90	1,661
608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	2,566	-39	2,527
611.2004	Manholes 4-FT Diameter	EACH	5	-1	4
611.2005	Manholes 5-FT Diameter	EACH	2	1	3
611.3902	Inlets Median 2 Grate	EACH	14	1	15
612.0406	Pipe Underdrain Wrapped 6-Inch	LF	10,130	-60	10,070
614.2300	MGS Guardrail 3	LF	4,779	-74	4,705
645.0111	Geotextile Type DF Schedule A	SY	4,792	4	4,796
645.0120	Geotextile Type HR	SY	3,233	+180	3,413
SPV.0035.01	High Performance Concrete (HPC) Masonry Structures	CY	13,044	36	13,080
SPV.0165.01	Longitudinal Grooving Bridge Deck	SF	162,846	245	163,091

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Quantity Added	Proposal Total After Addendum
608.0005	Storm Sewer Rock Excavation	CY	0	875	875
608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	0	39	39

**Plan Sheets:**

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
39	Temporary Access/Barge Access Overview – Revised to include top of temporary river access elevation that was assumed for permitting and added note indicating the elevation is not required.
94 to 96	Plan Details and Grades – Updated guardrail attachments to the Wisconsin River Bridges to match with the final bridge layouts.
179 to 181	Planting Details – Revised the 10 <sup>th</sup> note to amend when the plantings should be installed and when the Temporary Snow Fence must be installed.
394	Miscellaneous Quantities – Revised to adjust the quantity of EBS excavation and Excavation Rock, which impacted other columns, including the quantity of Select Crushed Material.

402	Miscellaneous Quantities – Added a 30-Inch culvert pipe endwall bid item to the table and adjusted the quantity of the 24-Inch culvert pipe endwall bid item.
404	Miscellaneous Quantities – Adjusted stations and quantities for curb & gutter and concrete barrier adjacent to the Wisconsin River Bridges to match with the final bridge layouts.
407	Miscellaneous Quantities – Added the bid item of Storm Sewer Rock Excavation. Added a 30-Inch storm sewer bid item and adjusted the quantity of the 24-Inch storm sewer bid item.
408	Miscellaneous Quantities – Added drainage structure 123 to the table and adjusted the quantities of 4-foot manholes, 5-foot manholes and median 2 grate inlet covers.
410	Miscellaneous Quantities – Adjusted stations and quantities for guardrail attached to the Wisconsin River Bridges to match with final bridge layouts.
443, 444, 449, & 450	Plan & Profile – Updated beam guard attachments to Wisconsin River Bridges to match with final bridge layouts.
670, 671, 673, 676, 678, 679, 684, 690, 701, 708, 712, 723, 733, 743 to 745, 747 to 754, 757 to 768	B-11-183 Structure Plans – Miscellaneous minor revisions to structure details and quantities.
773, 774, 778, 781, 785, 786, 790, 801, 812, 823, 831, 833, 843 to 845, 847 to 854, 857 to 867	B-11-184 Structure Plans – Miscellaneous minor revisions to structure details and quantities.
953	Earthwork Data – Replotted the sheet to include data that was omitted in advertised plan.
954	Earthwork Data – Updated the data to reflect slightly reduced rock excavation due to the addition of the Storm Sewer Rock Excavation bid item.

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. 2**

**1010-10-82**

**March 26, 2024**

**Special Provisions**

**4. Prosecution and Progress.**

*Replace entire section titled **Work Zone Restrictions – Parcel Acquisition** with the following:*

**Work Zone Restrictions – Parcel Acquisition**

Note that parcel 24 may not yet be acquired by the start of construction. Contact the department: Steve Porter at (608) 243-3366 to confirm acquisition status of this parcel. Structure the Baseline CPM Schedule to provide reasonable work-arounds until this parcel becomes available and reasonably minimize dependence on this parcel. Reschedule and re-sequence work to avoid any delay to the project. The department will provide notification of the release of rights for the parcel. Do not enter, perform work, or store materials/equipment on this parcel prior to July 1, 2024.

*Replace paragraph one under section titled State and Federal Listed Fresh Water Mussel Relocations with the following:*

A large freshwater mussel relocation effort began in June 2023 and will be completed by June 30, 2024. Work within the Wisconsin River (outside of fish spawning dates stated above) shall only take place within the southeast quadrant of the project area (south and east of approximately Station 1140+00'WB') until relocations are completed in June of 2024.

**8. Utilities.**

*Replace the last paragraph under section titled **Madison Gas & Electric (MG&E) – Gas** with the following:*

MG&E's existing gas main noted above has 6" clearance below the proposed culvert pipe. Notify MG&E Gas before excavation, as described above, and they will apply a rock shield wrap to the gas main prior to the culvert being installed. No conflict is anticipated.

**55. Furnishing and Planting Plant Materials for Living Snow Fence**

*Add the following to the article:*

Add the following to standard spec 632.3.1

- <sup>(3)</sup> Install plantings prior to June 1<sup>st</sup> of calendar year 2026 during stage 4. Install Temporary Snow Fence in the fall of 2024 during stage 1 or 2.

**88. Cofferdams B-11-184 Pier 12, Item SPV.0060.24**

*Replace paragraph two under section titled **C Construction** with the following:*

At pier 12, highly sloped shallow sandstone rock is expected to be encountered at depths above the plan



bottom of seal elevation. To achieve the plan bottom of seal elevations, it is anticipated that variable depth rock excavation will be required.

**89. Underwater Scour Monitoring, Item SPV.0060.25**

*Add the following under section titled C Construction:*

**C.5 Review**

Suspend all construction operations within the Wisconsin River if the engineer identifies any areas of scour-related concerns. Submit to the engineer a scour repair plan to protect the integrity of the existing structures during the construction operations. Allow the engineer 3 business days to review the scour repair plan and do not resume construction operations within the Wisconsin River until the engineer's review is complete. Scour repairs, if required, shall be incidental to the Underwater Scour Monitoring item.

**117. Trial Drilled Shaft Foundation 59.06-Inch, Item SPV.0060.30; Drilled Shaft Foundation 59.06-Inch, Item SPV.0090.12.**

*Replace subsection titled C.3.10.2 Concrete Placement Time with the following:*

Ensure excavation inspection occurs no later than 48 hours after excavation is complete. Place concrete within 8 hours after excavation inspection and approval unless otherwise directed by the engineer. The demonstration shaft construction shall show that excessive sediment accumulation does not occur within 8 hours after final inspection. If the concrete is not placed within this time frame, the excavation must be re-inspected and accepted by the engineer prior to concrete placement.

*Replace subsection titled C.3.10.4 Concrete Placement by Tremie Pipes with the following:*

Use tremie pipes to place the concrete inside the excavation. Keep the discharge end of the tremie a minimum of 10 feet below the level of the fresh concrete already placed inside the excavation to maintain a seal. The concrete shall flow into position by pressure through a steel tremie with a minimum diameter of 10 inches for a gravity tremie or with a minimum 4-inch diameter for a pressurized (pump placed) tremie. Seal the bottom of the tremie using a one-way flap valve before it is lowered into the wet excavation. If water/slurry enters the tremie pipe after concrete pouring has started, the tremie must be withdrawn, cleaned, resealed, and pouring restarted. If for some reason, the tremie is raised out of the fluid concrete or the concrete inside the drilled shaft drops down contaminating the tremie, completely remove and clean the tremie, then replace the seal at the bottom of the tremie and lower the tremie back as far below as possible into the already placed concrete.

*Replace subsection titled C.3.10.5, Concrete Placement by Concrete Pipes with the following:*

Concrete pumps and concrete lines can be used to place concrete in drilled shafts rapidly or to deliver the concrete from a distant location.

All pump lines, tremie pipes, and their connections shall be watertight and must guide the concrete to the discharge point at the center of the rebar cage or steel core and drilled shaft excavation. The pump line outside the shaft may be flexible. Inside the shaft use a minimum 10-inch diameter steel tremie pipe for gravity tremie method or minimum 4-inch diameter steel tremie pipe for pressurized (pump placed) method that can deliver the concrete in an uninterrupted manner. Seal the bottom of the tremie pipe with one-way flap valve before it is lowered into the wet excavation. Keep the bottom of the tremie or discharge orifice 10 feet below the surface of fluid concrete already placed to avoid sudden jumping of the pump line out of the excavation. If concrete is placed using a pressurized (pump placed) system, initiate the pour using 3 cubic yards of neat, pumpable grout having minimum 28-day compressive strength of 5,000 psi. Perform the pumping operation in a manner that prevents introduction of air pockets into the concrete. Concreting shall

continue until over pouring is evident at the top of the drilled shaft and until dark gray concrete (acceptable concrete) can be distinguished from the drilling fluid.

#### **129. Notice to Contractor – Existing Structure Monitoring.**

The department will install an optical monitoring system on the existing B-11-23 piers prior to installation of the proposed B-11-183 drilled shaft foundations. This monitoring system consists of robotic total stations that require a 20'x20' clear level area on the north and south banks. The final locations will be determined in coordination with the contractor to align with the sequence of operations while minimizing potential sightline obstructions and staging area impacts.

Maintain sightlines from the total station(s) to the backsights at all times. If the backsight sightlines will be disrupted, notify the engineer two weeks in advance so a new backsight can be established. The sightline from the total stations to the existing piers adjacent to active foundation work shall be maintained as much as possible to assist with the monitoring of the existing structure. If a reading is not taken on a pier in a 24-hour time span due to equipment or materials blocking the sightline, the contractor will be required to move the obstruction so a reading can be achieved.

The department will regularly collect and review the structure monitoring data throughout the duration of the B-11-183 drilled shaft installation operations. Survey data will be shared with the contractor weekly or upon request.

Suspend all construction operations within the Wisconsin River if the existing B-11-23 piers vertically deflect or settle more than 0.75". Submit to the engineer a contingency plan describing the changes to means and methods being employed in order to protect the integrity of the existing structures during the construction operations. Allow the engineer 3 business days to review the contingency plan and do not resume construction operations within the Wisconsin River until the engineer's review is complete.

#### **Schedule of Items**

Attached, dated March 27, 2024, are the revised Schedule of Items Pages 1 – 30.

#### **Plan Sheets**

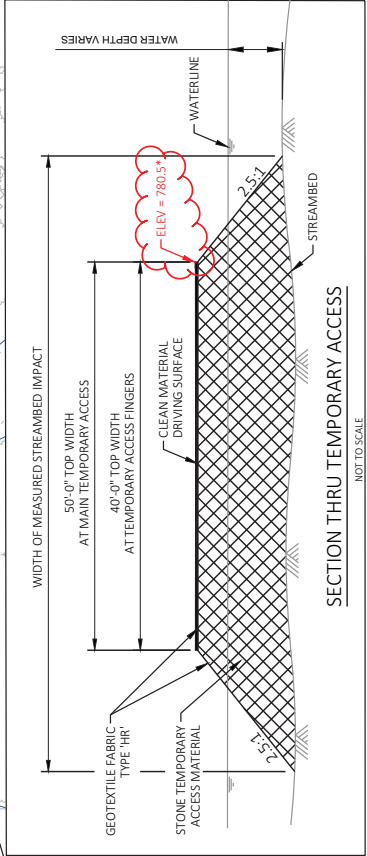
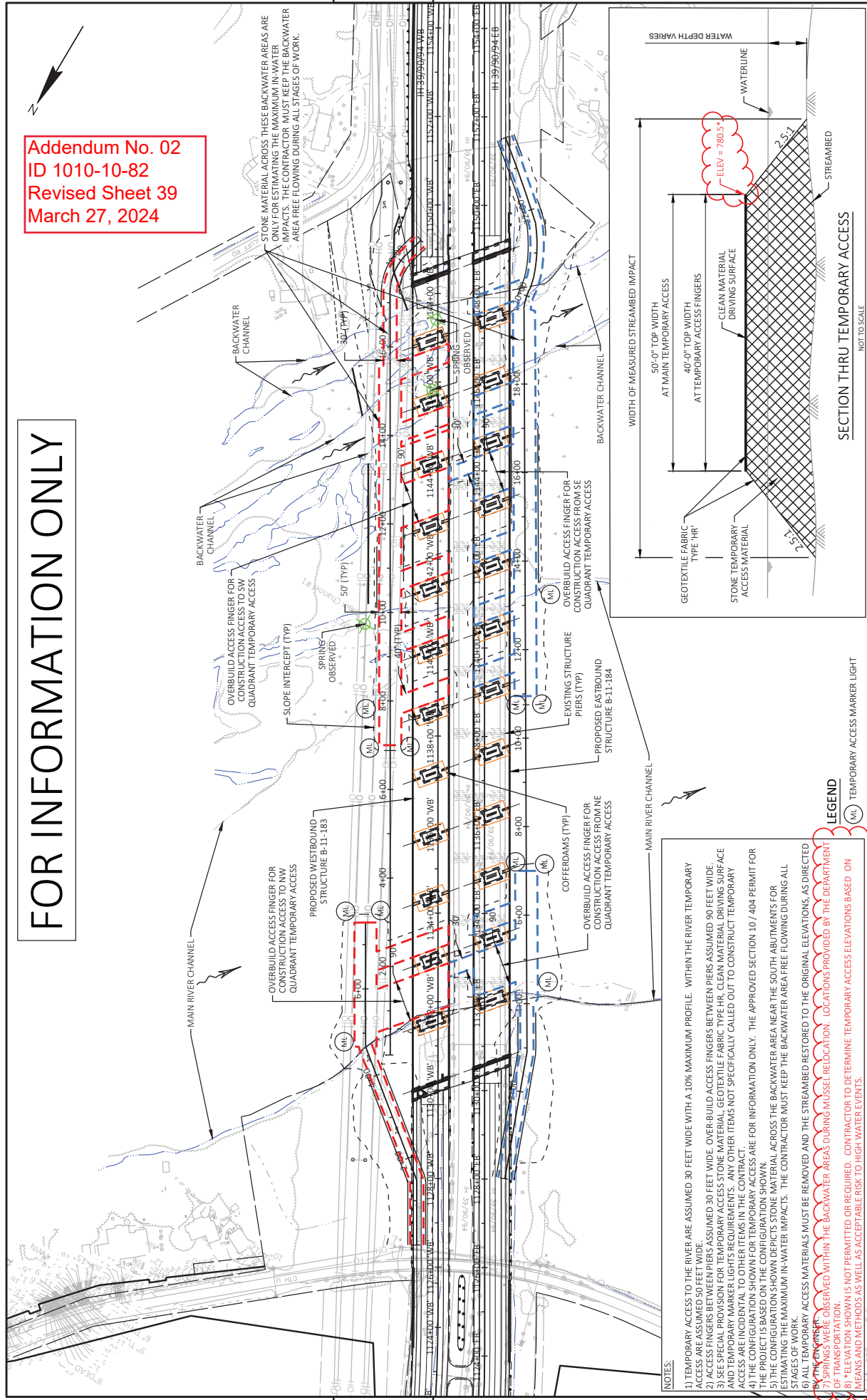
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 39, 94 to 96, 179 to 181, 394, 402, 404, 407, 408, 410, 443, 444, 449, 450, 670, 671, 673, 676, 678, 679, 684, 690, 701, 708, 712, 723, 733, 743 to 745, 747 to 754, 757 to 768, 773, 774, 778, 781, 785, 786, 790, 801, 812, 823, 831, 833, 843 to 845, 847 to 854, 857 to 867, 953 and 954

END OF ADDENDUM

FOR INFORMATION ONLY

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 39  
March 27, 2024



- NOTES:**
- 1) TEMPORARY ACCESS TO THE RIVER ARE ASSUMED 30 FEET WIDE WITH A 10% MAXIMUM PROFILE. WITHIN THE RIVER TEMPORARY ACCESS ARE ASSUMED 50 FEET WIDE.
  - 2) ACCESS FINGERS BETWEEN PIERS ASSUMED 30 FEET WIDE. OVERBUILD ACCESS FINGERS BETWEEN PIERS ASSUMED 90 FEET WIDE.
  - 3) SEE SPECIAL PROVISION FOR TEMPORARY ACCESS STONE MATERIAL. GEOTEXTILE FABRIC TYPE HR, CLEAN MATERIAL DRIVING SURFACE AND TEMPORARY MARKER LIGHTS REQUIREMENTS. ANY OTHER ITEMS NOT SPECIFICALLY CALLED OUT TO CONSTRUCT TEMPORARY ACCESS ARE INCIDENTAL TO OTHER ITEMS IN THE CONTRACT.
  - 4) THE CONFIGURATION SHOWN FOR TEMPORARY ACCESS ARE FOR INFORMATION ONLY. THE APPROVED SECTION 10 / 404 PERMIT FOR THIS PROJECT IS BASED ON THE CONFIGURATION SHOWN.
  - 5) THE CONFIGURATION SHOWN DEPICTS STONE MATERIAL ACROSS THE BACKWATER AREA NEAR THE SOUTH ABUTMENTS FOR ESTIMATING THE MAXIMUM IN-WATER IMPACTS. THE CONTRACTOR MUST KEEP THE BACKWATER AREA FREE FLOWING DURING ALL STAGES OF WORK.
  - 6) ALL TEMPORARY ACCESS MATERIALS MUST BE REMOVED AND THE STREAMBED RESTORED TO THE ORIGINAL ELEVATIONS, AS DIRECTED BY THE CONTRACTOR.
  - 7) SPRINGS WERE OBSERVED WITHIN THE BACKWATER AREAS DURING MUSSEL RELOCATION. LOCATIONS PROVIDED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ).
  - 8) TEMPORARY CHANNELS ARE NOT PERMITTED OR REQUIRED. CONTRACTOR TO DETERMINE TEMPORARY ACCESS ELEVATIONS BASED ON MEANS AND METHODS AS WELL AS ACCEPTABLE RISK TO HIGH WATER EVENTS.

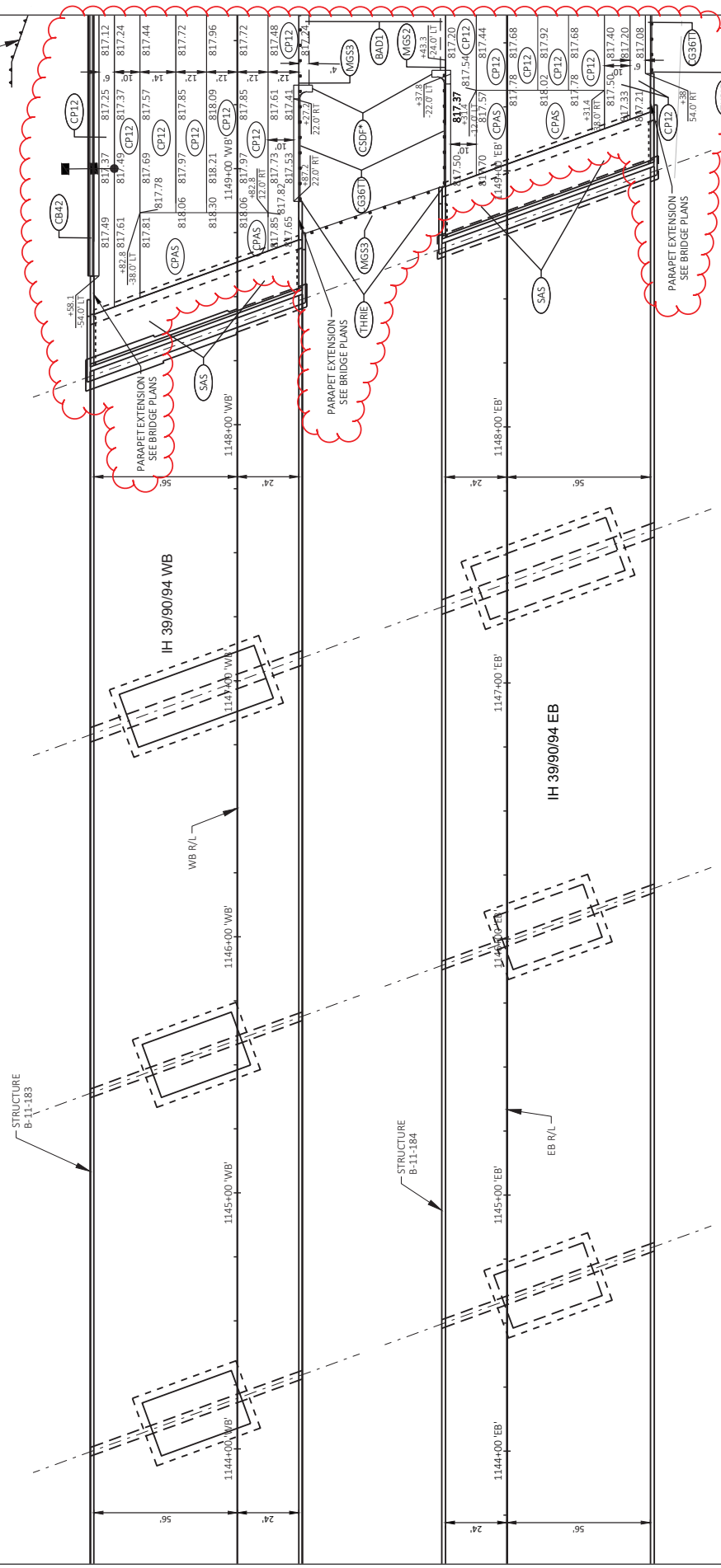
**LEGEND**  
(ML) TEMPORARY ACCESS MARKER LIGHT



Addendum No. 02  
ID 1010-10-82  
Revised Sheet 95  
March 27, 2024

<b>LEGEND</b>	BASE AGGREGATE DENSE 3/4-INCH	MGS GUARDRAIL 3 K
CB42	CONCRETE BARRIER 542	MGS THRIE BEAM TRANSITION
CB42V	CONCRETE BARRIER 542 (VERTICAL BACK AT RETAINING WALL)	MOW STRIP EMULSIFIED ASPHALT
CB56C	CONCRETE BARRIER 556C (ROADSIDE RETAINING WALL)	ASPHALTIC FLUME
CB56E	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT	STRUCTURAL APPROACH SLAB
CB56T	CONCRETE PAVEMENT APPROACH SLAB	STEEL THRIE BEAM BULLNOSE TERMINAL
CB56V	CONCRETE PAVEMENT 12-INCH SPECIAL	HMA PAVEMENT 7-INCH
CB56W	MGS GUARDRAIL TERMINAL LEAT	HMA PAVEMENT 4-INCH
CB56X	MGS GUARDRAIL TERMINAL TYPE 2	HMA PAVEMENT 1.75-INCH MILL AND OVERLAY
CB56Y	MGS GUARDRAIL 3	CONCRETE SURFACE DRAIN FLUME
CB56Z	MGS GUARDRAIL 3	PAVEMENT GRADE
CB56AA		XXX.XX

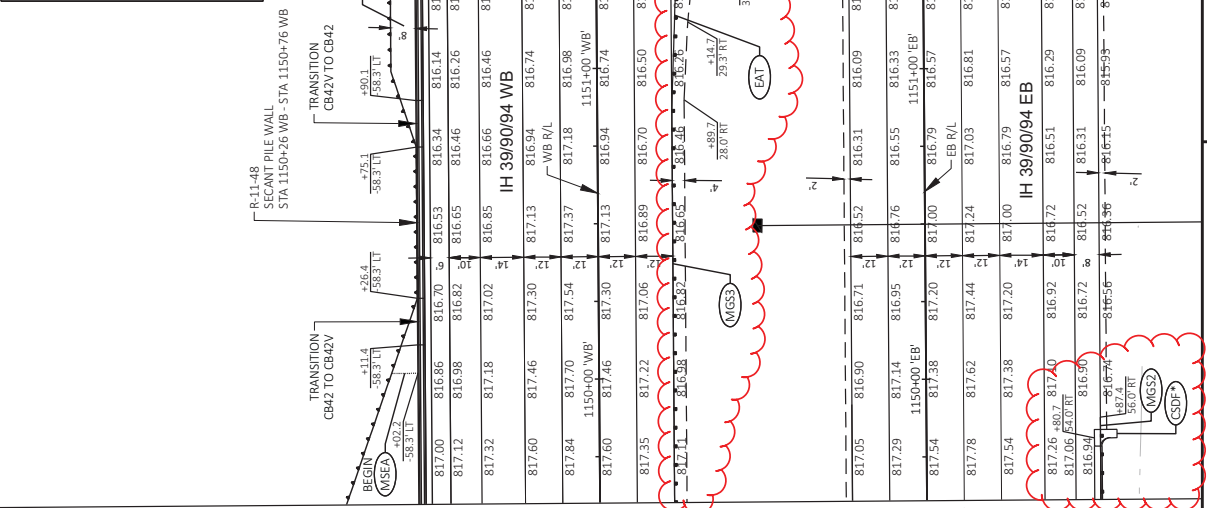
NOTE: FINAL PLACEMENT OF THE FLUME MUST MAINTAIN THE MINIMUM POST SEPARATION DISTANCES IN THE STANDARD DETAIL



Addendum No. 02  
ID 1010-10-82  
Revised Sheet 96  
March 27, 2024

- LEGEND**
- (BAD1) BASE AGGREGATE DENSE 3/4-INCH
- (CB42) CONCRETE BARRIER S42
- (CB42V) CONCRETE BARRIER S42 (VERTICAL BACK AT RETAINING WALL)
- (CB56) CONCRETE BARRIER S56C (ROADSIDE RETAINING WALL)
- (G36T) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT
- (CPAS) CONCRETE PAVEMENT APPROACH SLAB
- (CP12) CONCRETE PAVEMENT 12-INCH SPECIAL
- (EAT) MGS GUARDRAIL TERMINAL EAT
- (MGS) MGS GUARDRAIL 3
- (MGS3) MGS GUARDRAIL 3
- (MGS3X) XXX-XX PAVEMENT GRADE
- (THRE) MGS THRIE BEAM TRANSITION
- (MSEA) MOW STRIP EMULSIFIED ASPHALT
- (ASPL) ASPHALTIC FLUME
- (SAS) STRUCTURAL APPROACH SLAB
- (STR) STEEL THRIE BEAM BULLNOSE TERMINAL
- (HMA7) HMA PAVEMENT 7-INCH
- (HMA7A) HMA PAVEMENT 4-INCH
- (HMA7B) HMA PAVEMENT 1.75-INCH MILL AND OVERLAY
- (CSP) CONCRETE SURFACE DRAIN FLUME

NOTE: FINAL PLACEMENT OF THE FLUME MUST MAINTAIN THE MINIMUM POST SEPARATION DISTANCES IN THE STANDARD DETAIL



817.00	816.86	816.70	816.54	816.38	816.22	816.06	815.90	815.74	815.58	815.42	815.26	815.10	814.94	814.78	814.62	814.46	814.30	814.14	813.98	813.82	813.66	813.50	813.34	813.18	813.02	812.86	812.70	812.54	812.38	812.22	812.06	811.90	811.74	811.58	811.42	811.26	811.10	810.94	810.78	810.62	810.46	810.30	810.14	809.98	809.82	809.66	809.50	809.34	809.18	809.02	808.86	808.70	808.54	808.38	808.22	808.06	807.90	807.74	807.58	807.42	807.26	807.10	806.94	806.78	806.62	806.46	806.30	806.14	805.98	805.82	805.66	805.50	805.34	805.18	805.02	804.86	804.70	804.54	804.38	804.22	804.06	803.90	803.74	803.58	803.42	803.26	803.10	802.94	802.78	802.62	802.46	802.30	802.14	801.98	801.82	801.66	801.50	801.34	801.18	801.02	800.86	800.70	800.54	800.38	800.22	800.06	799.90	799.74	799.58	799.42	799.26	799.10	798.94	798.78	798.62	798.46	798.30	798.14	797.98	797.82	797.66	797.50	797.34	797.18	797.02	796.86	796.70	796.54	796.38	796.22	796.06	795.90	795.74	795.58	795.42	795.26	795.10	794.94	794.78	794.62	794.46	794.30	794.14	793.98	793.82	793.66	793.50	793.34	793.18	793.02	792.86	792.70	792.54	792.38	792.22	792.06	791.90	791.74	791.58	791.42	791.26	791.10	790.94	790.78	790.62	790.46	790.30	790.14	790.00	789.86	789.72	789.58	789.44	789.30	789.16	789.02	788.88	788.74	788.60	788.46	788.32	788.18	788.04	787.90	787.76	787.62	787.48	787.34	787.20	787.06	786.92	786.78	786.64	786.50	786.36	786.22	786.08	785.94	785.80	785.66	785.52	785.38	785.24	785.10	784.96	784.82	784.68	784.54	784.40	784.26	784.12	783.98	783.84	783.70	783.56	783.42	783.28	783.14	783.00	782.86	782.72	782.58	782.44	782.30	782.16	782.02	781.88	781.74	781.60	781.46	781.32	781.18	781.04	780.90	780.76	780.62	780.48	780.34	780.20	780.06	779.92	779.78	779.64	779.50	779.36	779.22	779.08	778.94	778.80	778.66	778.52	778.38	778.24	778.10	777.96	777.82	777.68	777.54	777.40	777.26	777.12	776.98	776.84	776.70	776.56	776.42	776.28	776.14	776.00	775.86	775.72	775.58	775.44	775.30	775.16	775.02	774.88	774.74	774.60	774.46	774.32	774.18	774.04	773.90	773.76	773.62	773.48	773.34	773.20	773.06	772.92	772.78	772.64	772.50	772.36	772.22	772.08	771.94	771.80	771.66	771.52	771.38	771.24	771.10	770.96	770.82	770.68	770.54	770.40	770.26	770.12	770.00	769.86	769.72	769.58	769.44	769.30	769.16	769.02	768.88	768.74	768.60	768.46	768.32	768.18	768.04	767.90	767.76	767.62	767.48	767.34	767.20	767.06	766.92	766.78	766.64	766.50	766.36	766.22	766.08	765.94	765.80	765.66	765.52	765.38	765.24	765.10	764.96	764.82	764.68	764.54	764.40	764.26	764.12	763.98	763.84	763.70	763.56	763.42	763.28	763.14	763.00	762.86	762.72	762.58	762.44	762.30	762.16	762.02	761.88	761.74	761.60	761.46	761.32	761.18	761.04	760.90	760.76	760.62	760.48	760.34	760.20	760.06	759.92	759.78	759.64	759.50	759.36	759.22	759.08	758.94	758.80	758.66	758.52	758.38	758.24	758.10	757.96	757.82	757.68	757.54	757.40	757.26	757.12	756.98	756.84	756.70	756.56	756.42	756.28	756.14	756.00	755.86	755.72	755.58	755.44	755.30	755.16	755.02	754.88	754.74	754.60	754.46	754.32	754.18	754.04	753.90	753.76	753.62	753.48	753.34	753.20	753.06	752.92	752.78	752.64	752.50	752.36	752.22	752.08	751.94	751.80	751.66	751.52	751.38	751.24	751.10	750.96	750.82	750.68	750.54	750.40	750.26	750.12	750.00	749.86	749.72	749.58	749.44	749.30	749.16	749.02	748.88	748.74	748.60	748.46	748.32	748.18	748.04	747.90	747.76	747.62	747.48	747.34	747.20	747.06	746.92	746.78	746.64	746.50	746.36	746.22	746.08	745.94	745.80	745.66	745.52	745.38	745.24	745.10	744.96	744.82	744.68	744.54	744.40	744.26	744.12	743.98	743.84	743.70	743.56	743.42	743.28	743.14	743.00	742.86	742.72	742.58	742.44	742.30	742.16	742.02	741.88	741.74	741.60	741.46	741.32	741.18	741.04	740.90	740.76	740.62	740.48	740.34	740.20	740.06	739.92	739.78	739.64	739.50	739.36	739.22	739.08	738.94	738.80	738.66	738.52	738.38	738.24	738.10	737.96	737.82	737.68	737.54	737.40	737.26	737.12	736.98	736.84	736.70	736.56	736.42	736.28	736.14	736.00	735.86	735.72	735.58	735.44	735.30	735.16	735.02	734.88	734.74	734.60	734.46	734.32	734.18	734.04	733.90	733.76	733.62	733.48	733.34	733.20	733.06	732.92	732.78	732.64	732.50	732.36	732.22	732.08	731.94	731.80	731.66	731.52	731.38	731.24	731.10	730.96	730.82	730.68	730.54	730.40	730.26	730.12	730.00	729.86	729.72	729.58	729.44	729.30	729.16	729.02	728.88	728.74	728.60	728.46	728.32	728.18	728.04	727.90	727.76	727.62	727.48	727.34	727.20	727.06	726.92	726.78	726.64	726.50	726.36	726.22	726.08	725.94	725.80	725.66	725.52	725.38	725.24	725.10	724.96	724.82	724.68	724.54	724.40	724.26	724.12	723.98	723.84	723.70	723.56	723.42	723.28	723.14	723.00	722.86	722.72	722.58	722.44	722.30	722.16	722.02	721.88	721.74	721.60	721.46	721.32	721.18	721.04	720.90	720.76	720.62	720.48	720.34	720.20	720.06	719.92	719.78	719.64	719.50	719.36	719.22	719.08	718.94	718.80	718.66	718.52	718.38	718.24	718.10	717.96	717.82	717.68	717.54	717.40	717.26	717.12	716.98	716.84	716.70	716.56	716.42	716.28	716.14	716.00	715.86	715.72	715.58	715.44	715.30	715.16	715.02	714.88	714.74	714.60	714.46	714.32	714.18	714.04	713.90	713.76	713.62	713.48	713.34	713.20	713.06	712.92	712.78	712.64	712.50	712.36	712.22	712.08	711.94	711.80	711.66	711.52	711.38	711.24	711.10	710.96	710.82	710.68	710.54	710.40	710.26	710.12	710.00	709.86	709.72	709.58	709.44	709.30	709.16	709.02	708.88	708.74	708.60	708.46	708.32	708.18	708.04	707.90	707.76	707.62	707.48	707.34	707.20	707.06	706.92	706.78	706.64	706.50	706.36	706.22	706.08	705.94	705.80	705.66	705.52	705.38	705.24	705.10	704.96	704.82	704.68	704.54	704.40	704.26	704.12	703.98	703.84	703.70	703.56	703.42	703.28	703.14	703.00	702.86	702.72	702.58	702.44	702.30	702.16	702.02	701.88	701.74	701.60	701.46	701.32	701.18	701.04	700.90	700.76	700.62	700.48	700.34	700.20	700.06	699.92	699.78	699.64	699.50	699.36	699.22	699.08	698.94	698.80	698.66	698.52	698.38	698.24	698.10	697.96	697.82	697.68	697.54	697.40	697.26	697.12	696.98	696.84	696.70	696.56	696.42	696.28	696.14	696.00	695.86	695.72	695.58	695.44	695.30	695.16	695.02	694.88	694.74	694.60	694.46	694.32	694.18	694.04	693.90	693.76	693.62	693.48	693.34	693.20	693.06	692.92	692.78	692.64	692.50	692.36	692.22	692.08	691.94	691.80	691.66	691.52	691.38	691.24	691.10	690.96	690.82	690.68	690.54	690.40	690.26	690.12	690.00	689.86	689.72	689.58	689.44	689.30	689.16	689.02	688.88	688.74	688.60	688.46	688.32	688.18	688.04	687.90	687.76	687.62	687.48	687.34	687.20	687.06	686.92	686.78	686.64	686.50	686.36	686.22	686.08	685.94	685.80	685.66	685.52	685.38	685.24	685.10	684.96	684.82	684.68	684.54	684.40	684.26	684.12	683.98	683.84	683.70	683.56	683.42	683.28	683.14	683.00	682.86	682.72	682.58	682.44	682.30	682.16	682.02	681.88	681.74	681.60	681.46	681.32	681.18	681.04	680.90	680.76	680.62	680.48	680.34	680.20	680.06	679.92	679.78	679.64	679.50	679.36	679.22	679.08	678.94	678.80	678.66	678.52	678.38	678.24	678.10	677.96	677.82	677.68	677.54	677.40	677.26	677.12	676.98	676.84	676.70	676.56	676.42	676.28	676.14	676.00	675.86	675.72	675.58	675.44	675.30	675.16	675.02	674.88	674.74	674.60	674.46	674.32	674.18	674.04	673.90	673.76	673.62	673.48	673.34	673.20	673.06	672.92	672.78	672.64	672.50	672.36	672.22	672.08	671.94	671.80	671.66	671.52	671.38	671.24	671.10	670.96	670.82	670.68	670.54	670.40	670.26	670.12	670.00	669.86	669.72	669.58	669.44	669.30	669.16	669.02	668.88	668.74	668.60	668.46	668.32	668.18	668.04	667.90	667.76	667.62	667.48	667.34	667.20	667.06	666.92	666.78	666.64	666.50	
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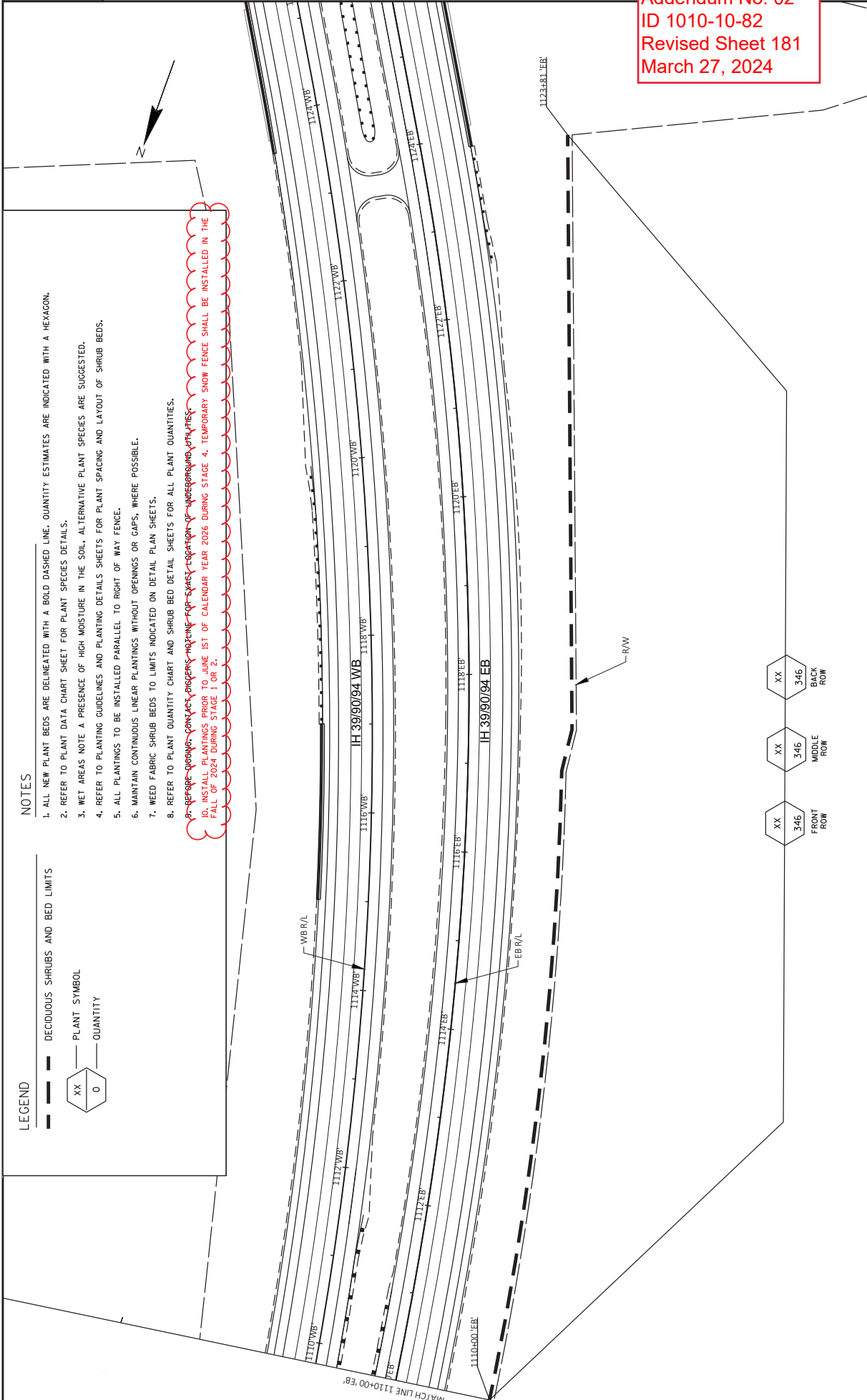








Addendum No. 02  
ID 1010-10-82  
Revised Sheet 181  
March 27, 2024



NOTES

1. ALL NEW PLANT BEDS ARE DELINEATED WITH A BOLD DASHED LINE. QUANTITY ESTIMATES ARE INDICATED WITH A HEXAGON.
2. REFER TO PLANT DATA CHART SHEET FOR PLANT SPECIES DETAILS.
3. NET AREAS NOTE A PRESENCE OF HIGH MOISTURE IN THE SOIL. ALTERNATIVE PLANT SPECIES ARE SUGGESTED.
4. REFER TO PLANTING GUIDELINES AND PLANTING DETAILS SHEETS FOR PLANT SPACING AND LAYOUT OF SHRUB BEDS.
5. ALL PLANTINGS TO BE INSTALLED PARALLEL TO RIGHT OF WAY FENCE.
6. MAINTAIN CONTINUOUS LINEAR PLANTINGS WITHOUT OPENINGS OR GAPS, WHERE POSSIBLE.
7. WEED FABRIC SHRUB BEDS TO LIMITS INDICATED ON DETAIL PLAN SHEETS.
8. REFER TO PLANT QUANTITY CHART AND SHRUB BED DETAIL SHEETS FOR ALL PLANT QUANTITIES.

BEFORE ORDERING CONTRACTORS, VERIFY LOCATION OF UNDERGROUND UTILITIES.  
 INSTALL PLANTINGS PRIOR TO JUNE 1ST OF CALENDAR YEAR 2026 DURING STAGE 4. TEMPORARY SNOW FENCE SHALL BE INSTALLED IN THE FALL OF 2024 DURING STAGE 1 OR 2.

LEGEND

- DECIDUOUS SHRUBS AND BED LIMITS
- XX PLANT SYMBOL
- 0 QUANTITY

NOTE: ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE.

DIVISION	SUBTOTAL	FROM/TO STATION	LOCATION	70% EBS EXCAVATION COMMON		SALVAGE/DUMP PAVERMENT MATERIAL	AVAILABLE MATERIAL	70% MARSH EXCAVATION	70% ROCK EXCAVATION	REDUCED MARSH MATERIAL	EXPANDED MARSH MATERIAL	EXPANDED SELECT BACKFILL MATERIAL	EXPANDED ROCK BACKFILL	EXPANDED FILL FACTOR	EXPANDED FILL MATERIAL	EXPANDED FILL FACTOR	EXPANDED FILL MATERIAL	EXPANDED FILL FACTOR	EXPANDED FILL MATERIAL	WASTE	200-2500 GRANULAR GRADE 2	312.0110 * CRUSHED MATERIAL	COMMENT
				CUT	EBS EXCAVATION																		
DIVISION 2																							
EWK-STG-2-N		1082+50.61/129+97.757	I-39/90/94 WB	89.904	0	8.133	81.581	0	0	0	0	0	0	0	0	0	16,011	20,034	0	61,568	0	0	USE WASTE HI-39/90/94 STG 2 N
EWK-STG-2-U		08+75.92/46.5	CTH U	101.36	0	7.12	101.36	0	0	0	0	0	0	0	0	0	19,023	23,779	0	-13,643	0	0	
EWK-STG-2-A		00+00/04-29.78	ATC ACCESS ROUTE	3.13	0	3.13	0	0	0	0	0	0	0	0	0	0	209	261	0	52	0	0	
EWK-STG-2-S		1175+58.258/1199+52.495	I-39/90/94 WB	1,758	0	1,759	19	0	0	0	0	0	0	0	0	0	3,527	4,409	0	-4,390	0	0	USE WASTE HI-39/90/94 STG 2 S
EWK-STG-2-V		48+76.632/79+00	CHV	299	0	299	0	14,500	0	8,685	0	13,065	0	0	0	0	32,100	38,444	1,975	-46,850	0	28,000	MARSH BACKFILL SELECT CRUSHED REMAINING FILL USE WASTE HI-39/90/94 STG 2 S
EWK-STG-2-B		1148+41.659/1180+40	I-39/90/94 WB	55,445	0	1,785	53,760	0	10,220	0	0	0	0	0	0	0	8,908	-5,668	0	59,428	0	0	
EWK-STG-2-C		48+76.632/79+00	CTH V	14,800	0	772	14,028	0	0	0	0	0	0	0	0	0	418	523	0	13,506	0	0	
EWK-STG-2-D		81+30/82+50	OAK KNOLL DRIVE	357	0	64	293	0	0	0	0	0	0	0	0	0	6	8	0	285	0	0	
EWK-STG-2-E		104+25/104+50	ST. LAWRENCE BLUFF	55	0	49	6	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	
EWK-STG-2-F		---	UNDISTRIBUTED EBS	6,954	0	13,244	360,435	14,500	12,220	0	0	0	11,289	0	0	0	8,685	61,779	0	8,684	0	0	USE WASTE HI-39/90/94 STG 2 S
DIVISION 3																							
EWK-STG-3-N		108+89.072/108+70.6	I-39/90/94 EB	262	0	0	262	0	0	0	0	0	0	0	0	0	19,023	23,779	0	262	0	0	
EWK-STG-3-S		1156+72.322/1199+52.352	UNDISTRIBUTED EBS	21,078	0	5,713	15,365	0	0	0	0	0	0	0	0	0	184	230	0	15,135	0	0	
EWK-STG-3-U		---	UNDISTRIBUTED EBS	1,657	0	5,713	15,927	0	0	0	0	0	0	0	0	0	178	230	0	15,135	0	0	
DIVISION 3 SUBTOTAL				23,940	0	11,539	15,927	0	0	0	0	0	0	0	0	0	382	463	0	46,241	0	0	
DIVISION 4																							
EWK-STG-4-N		1078+50/1130+36.931	I-39/90/94 WB @ CTH V	37,054	0	9,813	27,241	0	0	0	0	0	0	0	0	0	963	1,204	0	26,037	0	0	
EWK-STG-4-S		1149+00/1170+47.713	UNDISTRIBUTED EBS	13,183	0	3,516	9,667	0	0	0	0	0	0	0	0	0	1,813	2,266	0	7,400	0	0	
EWK-STG-4-U		---	UNDISTRIBUTED EBS	50,237	0	13,330	36,907	0	0	0	0	0	0	0	0	0	2,776	3,958	0	35,949	0	0	
DIVISION 4 SUBTOTAL				100,474	0	23,162	73,774	0	0	0	0	0	0	0	0	0	2,776	3,958	0	35,949	0	0	
DIVISION 5																							
EWK-STG-5-N		1070+85.578/1169+45.476	I-39/90/94 WB & EB	1,546	0	0	1,546	0	0	0	0	0	0	0	0	0	40	50	0	1,496	0	0	
EWK-STG-5-S		---	UNDISTRIBUTED EBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EWK-STG-5-U		---	UNDISTRIBUTED EBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIVISION 5 SUBTOTAL				1,546	0	0	1,546	0	0	0	0	0	0	0	0	0	40	50	0	1,496	0	0	
DIVISION - RETAINING WALLS																							
R-11-45		0+00/71-30 (WALL STA)	I-39/90/94 WB @ CTH V	0	69	0	0	0	0	0	0	0	0	0	0	0	46	0	0	69	100	175	RETAINING WALL FILL GRANULAR GRADE 2 EBS
R-11-46		0+00/71-30 (WALL STA)	I-39/90/94 WB @ CTH V	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	-35	0	0	BACKFILL SELECT CRUSHED
R-11-47		0+00/71-30 (WALL STA)	I-39/90/94 WB @ CTH U	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	60	100	RETAINING WALL FILL GRANULAR GRADE 2
R-11-48		0+00/71-30 (WALL STA)	I-39/90/94 WB @ CTH U	0	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	100	395	BACKFILL SELECT CRUSHED
DIVISION SUBTOTAL				0	186	0	0	0	0	0	0	0	0	0	0	0	74	0	0	151	160	470	
GRAND TOTAL				279,257	295,360	32,892	245,640	14,500	22,220	8,700	11,318	8,685	13,065	18,392	13,442	100,883	95,566	1,975	144,540	205,439	160	62,980	

NOTES:  
(1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0300  
(2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.  
(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.  
(4) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.  
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL.  
(6) EXCAVATION MARSH - ITEM NUMBER 205.0400.  
(7) EXCAVATION ROCK - ITEM NUMBER 205.0200.  
(8) REDUCED MARSH FILL - EXCAVATED MARSH MATERIAL IS USABLE IN FILLS OUTSIDE THE 1:1 SLOPE. MARSHIN FILL REDUCTION FACTOR = 0.60  
(9) REDUCED EBS FILL - EXCAVATED MARSH MATERIAL IS USABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80  
(10) EXPANDED MARSH FILL - THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL (SEE CONSTRUCTION DETAIL). MARSH BACKFILL FACTOR = 1.50  
(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. ITEM 312.0110. EBS BACKFILL FACTOR = 1.30  
(12) EXPANDED ROCK FACTOR = 1.10  
(13) EXPANDED FILL FACTOR = 1.25 - THIS IS TO BE FILLED WITH CUT MATERIAL OR SELECT CRUSHED MATERIAL. ITEM 312.0110. WHERE SHOWN.  
(14) THE MASS ORNATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.  
(15) FACTORS USED TO COMPUTE WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.  
\* ADDITIONAL QUANTITIES LISTED ELSEWHERE

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ID 1010-10-82  
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Addendum No. 02  
ID 1010-10-82  
Revised Sheet 402  
March 27, 2024

NOTE: ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE.

STRUCTURE	STATION	OFFSET*	LOCATION	STAGE	520-8000 CONCRETE COLLARS FOR PIPE		521-1012 APRON ENDWALLS FOR CULVERT PIPE		521-1030 30-INCH STAINLESS STEEL		522-1018 15-INCH EACH		522-1024** 24-INCH REINFORCED CONCRETE		522-1036 36-INCH EACH		522-1042** 42-INCH EACH		650-4000** CONSTRUCTION STAKING STORM SEWER	INVERT*** ELEVATION	COMMENTS	
					EACH	EACH	12-INCH EACH	18-INCH EACH	15-INCH EACH	18-INCH EACH	24-INCH EACH	30-INCH EACH	36-INCH EACH	42-INCH EACH								
EXIST AEW	1074+59.62	41.33' LT	HH 39' EB	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T1-24	1073+50.00	41.33' LT	HH 39' EB	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	838.37	OUTFALL	
100	1083+00.00	92.20' LT	HH 39' WB	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	836.50	OUTFALL	
103	1086+50.00	93.30' LT	HH 39' WB	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	838.23	OUTFALL	
106	1089+50.00	87.70' LT	HH 39' WB	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	841.90	OUTFALL	
109	1092+00.00	79.80' RT	HH 39' EB	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	848.29	OUTFALL	
112	1098+00.00	89.59' RT	HH 39' EB	4	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	848.22	OUTFALL	
114	1101+00.00	100.68' RT	HH 39' EB	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	841.00	OUTFALL	
EXIST INL	1105+19.32	33.08' LT	HH 39' EB	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	833.46	-	
EXIST AEW	1105+12.94	92.38' RT	HH 39' EB	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	831.41	-	
T1-07	1105+11.56	120.64' RT	HH 39' EB	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	830.96	OUTFALL	
116	1105+11.00	109.30' RT	HH 39' EB	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	831.01	OUTFALL	
118	1105+05.41	88.10' LT	HH 39' WB	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	835.18	INFALL	
119	1114+46.02	84.20' LT	HH 39' WB	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	830.88	INFALL	
122	1117+47.62	82.60' LT	HH 39' WB	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	828.01	OUTFALL	
T1-11	1123+29.37	36.21' LT	HH 39' EB	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	826.90	-	
T1-13	1123+70.58	35.68' LT	HH 39' EB	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	826.91	-	
T2-52	1129+50.00	84.25' LT	HH 39' WB	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	819.25	OUTFALL	
124	1130+89.00	81.40' RT	HH 39' EB	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	813.23	OUTFALL	
125	1150+50.02	92.00' RT	HH 39' EB	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	808.28	OUTFALL	
127	1158+74.00	13.90' LT	HH 39' EB	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	799.49	EXISTING STRUCTURE	
128	1158+74.00	19.80' LT	HH 39' EB	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	799.33	INFALL	
129	1166+44.05	20.37' LT	HH 39' EB	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	781.40	EXISTING STRUCTURE	
131	1166+40.05	83.58' LT	HH 39' WB	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	782.20	INFALL	
132	1169+00.00	77.00' LT	HH 39' WB	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	780.75	OUTFALL	
200	1159+97.10	84.37' LT	HH 39' WB	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	795.05	OUTFALL	
205	1174+68.00	70.90' LT	HH 39' WB	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	780.10	OUTFALL	
EXIST AEW	1177+52.27	56.70' RT	HH 39' WB	2A	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING STRUCTURE	
T2-3	1174+53.94	67.22' RT	HH 39' WB	2A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	780.70	OUTFALL	
EXIST AEW	1187+57.97	44.13' RT	HH 39' WB	2A	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING STRUCTURE	
T2-6	1187+57.96	61.57' RT	HH 39' WB	2A	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	775.75	OUTFALL	
301	23+46.77	54.32' LT	CTHV	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	839.00	OUTFALL	
303	23+37.28	85.14' RT	CTHV	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	829.00	OUTFALL	
401	49+65.28	26.93' RT	CTHV	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	777.59	OUTFALL	
405	58+58.23	87.14' RT	CTHV	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	781.00	OUTFALL	
409	61+91.97	97.46' RT	CTHV	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	782.00	OUTFALL	
TOTAL				2	7	4	2	1	1	1	1	2	12	1	2	3	28					

REMARKS:  
\*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE  
\*\*ADDITIONAL QUANTITIES LISTED ELSEWHERE.  
\*\*\*THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

NOTE: ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE.

CONCRETE CURB AND GUTTER		601.0553		601.0557		601.0588		601.0590	
		CONCRETE CURB & GUTTER 4-INCH SLOPED		CONCRETE CURB & GUTTER 6-INCH SLOPED		CONCRETE CURB & GUTTER 4-INCH SLOPED		CONCRETE CURB & GUTTER 4-INCH SLOPED	
STAGE	ROADWAY	STATION	TO	STATION	TO	STATION	TO	STATION	TO
		LF		LF		LF		LF	
2	IH 39/90/94 WB	1159+65	-	1160+03	-	-	-	38	-
		SUBTOTAL						38	
4	IH 39/90/94 EB	1105+14	-	1105+52	-	-	-	38	-
		1186+58	-	1187+38	-	-	-	41	-
		1149+38	-	1149+78	-	-	-	41	-
		SUBTOTAL						120	
5	IH 39/90/94 WB	1148+87	-	1149+27	-	-	-	41	-
		SUBTOTAL						41	
1/2	CTHU	9+75	-	20+38	-	352	-	-	-
		22+80	-	32+62	-	-	-	102	-
		SUBTOTAL						102	
1/2	CTHV	48+76	-	59+22	-	345	-	101	-
		61+36	-	73+00	-	-	-	98	-
		SUBTOTAL						199	
		PROJECT TOTAL						301	

QUANTITIES SHOWN INCLUDE OAK KNOLL DRIVE AND ST LAWRENCE BLUFF ROAD

CONCRETE BARRIER		603.1142		603.1456		
		CONCRETE BARRIER		CONCRETE BARRIER		
STAGE	ROADWAY	STATION	TO	STATION	TO	
		LF		LF	LF	
2	IH 39/90/94 WB	1082+70	-	1105+00	-	2,230
		1115+00	-	1117+00	-	200
		1173+58	-	1175+36	-	182
		1148+58	-	1157+75	-	917
		1158+28	-	1158+65	-	190
		1166+63	-	1168+60	-	175
		SUBTOTAL				3,504
4	IH 39/90/94 EB	1082+70	-	1105+14	-	2,244
		1123+87	-	1125+72	-	185
		1167+00	-	1168+51	-	151
		1167+21	-	1169+02	-	181
		SUBTOTAL				2,761
5	IH 39/90/94 WB	1167+06	-	1168+58	-	152
		SUBTOTAL				152
		PROJECT TOTAL				6,417

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NOTE: ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE.

FROM	TO	LOCATION	STAGE	521.3118 CONCRETE PIPE 18-INCH LF	MIN. THICKNESS INCHES	530.0112 CORRUGATED POLYETHYLENE CONDUIT PIPE 12-INCH LF	530.0118 CORRUGATED POLYETHYLENE CONDUIT PIPE 18-INCH LF	608.0005 STORM SEWER EXCAVATION CY	608.0412 24-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	611.8120.5** COVER PLATES TEMPORARY EACH	PIPE CONNECTION TO EXISTING STRUCTURE EACH	JOINT TIES* EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	NOTES
T1-23	T1-24	IH 39 EB	1	110	0.064	-	-	-	-	-	-	-	-	-	-	-	838.92	838.37	0.005	-
100	101	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	839.50	836.50	0.0260	-
101	101A	IH 39 WB	2/4	-	-	-	-	-	-	-	-	-	-	-	-	-	840.75	840.25	0.0713	-
T2-10	T2-11	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	-	840.92	840.75	0.0713	-
101A	102	IH 39 EB	4	-	-	-	-	-	-	-	-	-	-	-	-	-	841.25	840.75	0.0713	-
103	104	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	841.00	838.23	0.0238	-
104	105	IH 39 EB	2/4	-	-	-	-	-	-	-	-	-	-	-	-	6	842.75	841.75	0.0977	-
105	106	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	843.75	842.75	0.0977	-
106	108	IH 39 EB	2/4	-	-	-	-	-	-	-	-	-	-	-	-	6	844.75	843.75	0.0977	-
109	110	IH 39 EB	4	-	-	-	-	-	-	-	-	-	-	-	-	6	848.55	848.29	0.0025	-
112	113	IH 39 EB	4	-	-	-	-	-	-	-	-	-	-	-	-	6	848.50	848.22	0.0025	-
T1-03	T1-04	IH 39 EB	4	-	-	-	-	-	-	-	-	-	-	-	-	6	842.25	841.00	0.0101	-
T1-06	T1-07	IH 39 EB	1	-	-	-	-	-	-	-	-	-	-	-	-	6	833.46	833.42	0.0160	-
116	117	IH 39 EB	4	-	-	-	-	-	-	-	-	-	-	-	-	6	831.41	830.96	0.0160	-
117	118	IH 39 WB	2/4	-	-	-	-	-	-	-	-	-	-	-	-	6	833.15	831.01	0.0149	-
119	120	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	835.18	833.16	0.0233	-
120	121	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	830.92	830.35	0.0098	-
121	122	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	830.35	828.43	0.0098	-
122	124	IH 39 EB	4	-	-	-	-	-	-	-	-	-	-	-	-	6	813.62	813.23	0.0100	-
T1-11	T1-08	IH 39 EB	1	-	-	-	-	-	-	-	-	-	-	-	-	6	826.90	826.80	0.0050	-
T2-50	T2-52	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	826.90	826.80	0.0050	-
125	126	IH 39 EB	4	-	-	-	-	-	-	-	-	-	-	-	-	6	820.50	819.25	0.0100	-
127	128	IH 39 EB	4	-	-	-	-	-	-	-	-	-	-	-	-	6	809.00	808.28	0.0049	-
129	130	IH 39 EB	3	-	-	-	-	-	-	-	-	-	-	-	-	-	799.33	799.30	0.0050	-
130	130A	IH 39 WB	3	-	-	-	-	-	-	-	-	-	-	-	-	-	781.50	781.40	0.0076	-
132	133	IH 39 WB	2/3	-	-	-	-	-	-	-	-	-	-	-	-	6	782.20	781.78	0.0056	-
130	131	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	781.78	781.50	0.0056	-
200	201	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	795.16	795.02	0.0025	-
201	202	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	796.13	795.26	0.0050	-
202	203	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	801.05	796.24	0.0160	-
203	204	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	805.97	801.15	0.0160	-
204	205	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	810.87	806.07	0.0160	-
205	206	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	811.05	810.97	0.0100	-
206	207	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	812.00	811.15	0.1069	-
204	208	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	806.94	806.72	0.0000	-
208	209	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	807.19	807.04	0.0039	-
203	210	IH 39 WB	2/4	-	-	-	-	-	-	-	-	-	-	-	-	6	802.02	802.32	0.0032	-
210	211	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	802.12	802.12	0.0004	-
202	213	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	797.11	796.88	0.0000	-
213	214	IH 39 WB	2	-	-	-	-	-	-	-	-	-	-	-	-	6	797.56	797.21	0.0300	-
225	226	IH 39 WB	2/3	-	-	-	-	-	-	-	-	-	-	-	-	6	781.43	781.10	0.0035	-
T2-2	T2-3	IH 39 WB	2A	-	-	-	-	-	-	-	-	-	-	-	-	6	780.97	780.70	0.0063	-
T2-5	T2-6	IH 39 WB	2A	-	-	-	-	-	-	-	-	-	-	-	-	6	775.86	775.75	0.0062	-
300	301	CTHU	2	-	-	-	-	-	-	-	-	-	-	-	-	6	848.10	839.00	-	-
302	303	CTHU	2	-	-	-	-	-	-	-	-	-	-	-	-	6	848.38	829.00	-	-
400	401	CTHV	2	-	-	-	-	-	-	-	-	-	-	-	-	6	778.00	777.99	0.0050	-
402	403	CTHV	2	-	-	-	-	-	-	-	-	-	-	-	-	6	805.47	805.47	0.0100	-
404	405	CTHV	2	-	-	-	-	-	-	-	-	-	-	-	-	6	805.90	805.61	0.0100	-
405	408	CTHV	2	-	-	-	-	-	-	-	-	-	-	-	-	6	805.90	805.61	0.0100	-
408	409	CTHV	2	-	-	-	-	-	-	-	-	-	-	-	-	6	805.61	782.00	-	-
TOTAL				110		289	17	30	875	58	95	43	309	412	1	3	114			

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 407  
March 27, 2024

\*NON-BID ITEM: FOR INFORMATION ONLY  
\*\*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

3

3



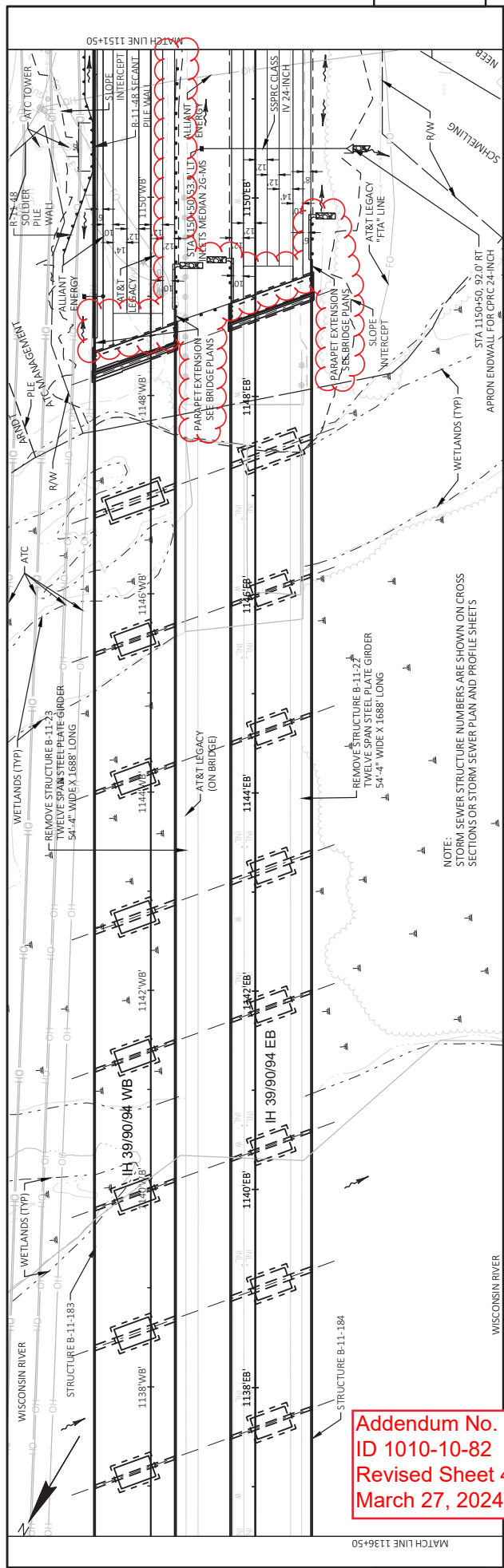
NOTE: ALL ITEMS CATEGORY 0010 UNLESS NOTED OTHERWISE.

STAGE	ROADWAY	STATION	TO	STATION	SIDE	614.0220 STEEL THREE BEAM BULLNOSE TERMINAL		614.0230 STEEL THREE BEAM	614.2300 MGS GUARDRAIL 3		614.2500 MGS THREE BEAM TRANSITION	614.2610 MGS GUARDRAIL TERMINAL EAT		614.2620 MGS GUARDRAIL TERMINAL TYPE 2		
						EACH	LF		LF	LF		EACH	EACH			
2	IH 39/90/94 WB	1117+00	-	1119+36	LT	-	-	200	-	-	40	-	1	-		
		1125+35	-	1129+62	LT	-	-	347	-	-	80	-	-	-		
		1159+65	-	119+00	LT	-	-	50	-	-	40	-	1	-		
		1168+40	-	1169+53	LT	-	-	25	-	-	40	-	1	-		
		SUBTOTAL						-	-	622	-	-	200	3	-	
3	IH 39/90/94 WB	1181+14	-	1184+18	RT	-	-	250	-	-	-	1	-	1		
		1178+11	-	1181+77	LT	-	-	238	75	-	-	-	1	1		
		SUBTOTAL						-	-	488	75	-	2	2		
4	IH 39/90/94 EB	1105+13	-	1111+00	LT	-	-	550	-	-	40	-	-	1		
		1124+58	-	1125+82	RT	-	-	50	-	-	40	-	1	-		
		1128+00	-	1130+12	LT	-	-	119	-	-	40	-	1	-		
		1130+00	-	1133+58	RT	-	-	413	-	-	80	-	-	-		
		1130+40	-	1136+28	LT	-	-	50	-	-	-	-	-	-		
		1149+35	-	1149+43	LT	-	-	13	-	-	40	-	-	1		
		1149+35	-	1149+87	RT	-	-	13	-	-	40	-	-	1		
		1168+00	-	1167+00	LT	-	-	313	-	-	40	-	1	-		
		1165+92	-	1167+21	RT	-	-	38	-	-	40	-	1	-		
		1169+02	-	1170+48	RT	-	-	113	-	-	40	-	-	-		
		SUBTOTAL						-	-	1672	-	-	400	4	3	
		5	IH 39/90/94 WB	1082+07	-	1082+70	RT	-	-	-	-	-	-	160	-	2
				1105+00	-	1111+50	RT	-	-	575	-	-	40	-	1	-
1128+90	-			1130+08	RT	-	-	88	-	-	40	-	-	1		
1148+00	-			1148+00	RT	-	-	50	-	-	-	-	-	-		
1148+87	-			1151+40	RT	-	-	160	-	-	40	-	1	-		
1164+00	-	1167+06	RT	-	-	275	-	-	40	-	-	-				
1168+51	-	1169+45	RT	-	-	64	-	-	-	-	-	-				
SUBTOTAL						-	-	1148	-	-	160	2	2			
1/2	CTHU	9+75	-	19+50	L/RT	-	-	125	-	-	80	-	2	-		
		19+50	-	32+62	L/RT	-	-	125	-	-	80	-	2	-		
		SUBTOTAL						-	-	250	-	-	160	4		
1/2	CTHV	48+76	-	58+75	L/RT	-	-	500	-	-	80	-	2	-		
		58+75	-	73+00	L/RT	-	-	25	-	-	80	-	2	-		
		SUBTOTAL						-	-	525	-	-	160	4		
PROJECT TOTAL						4	154	4,705	75	1,080	19	7				

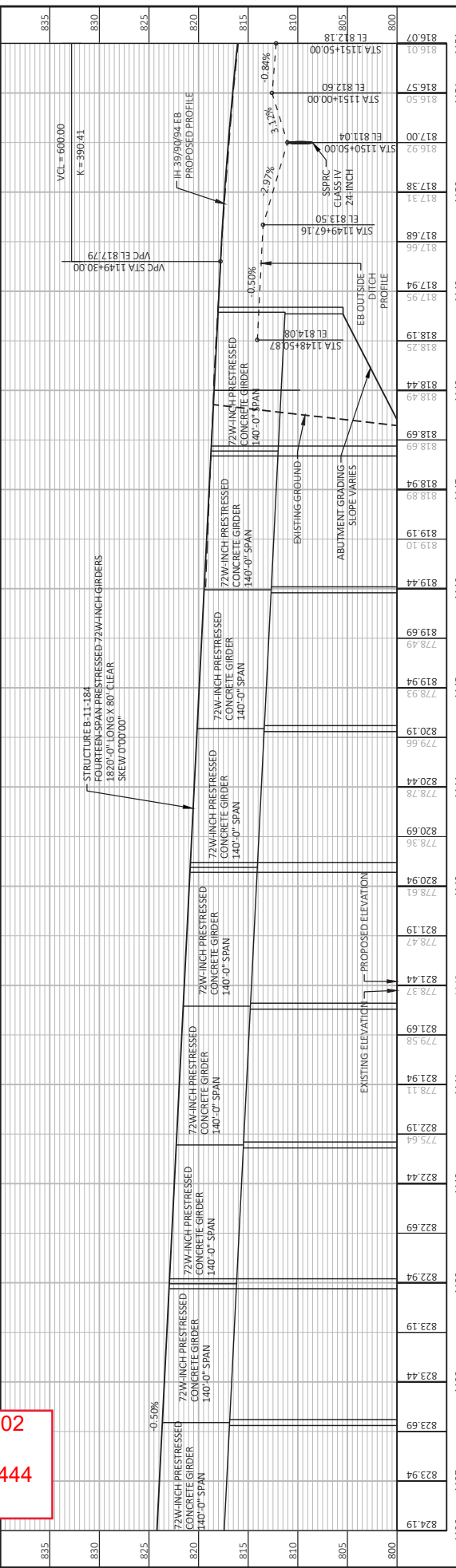
Addendum No. 02  
 ID 1010-10-82  
 Revised Sheet 410  
 March 27, 2024





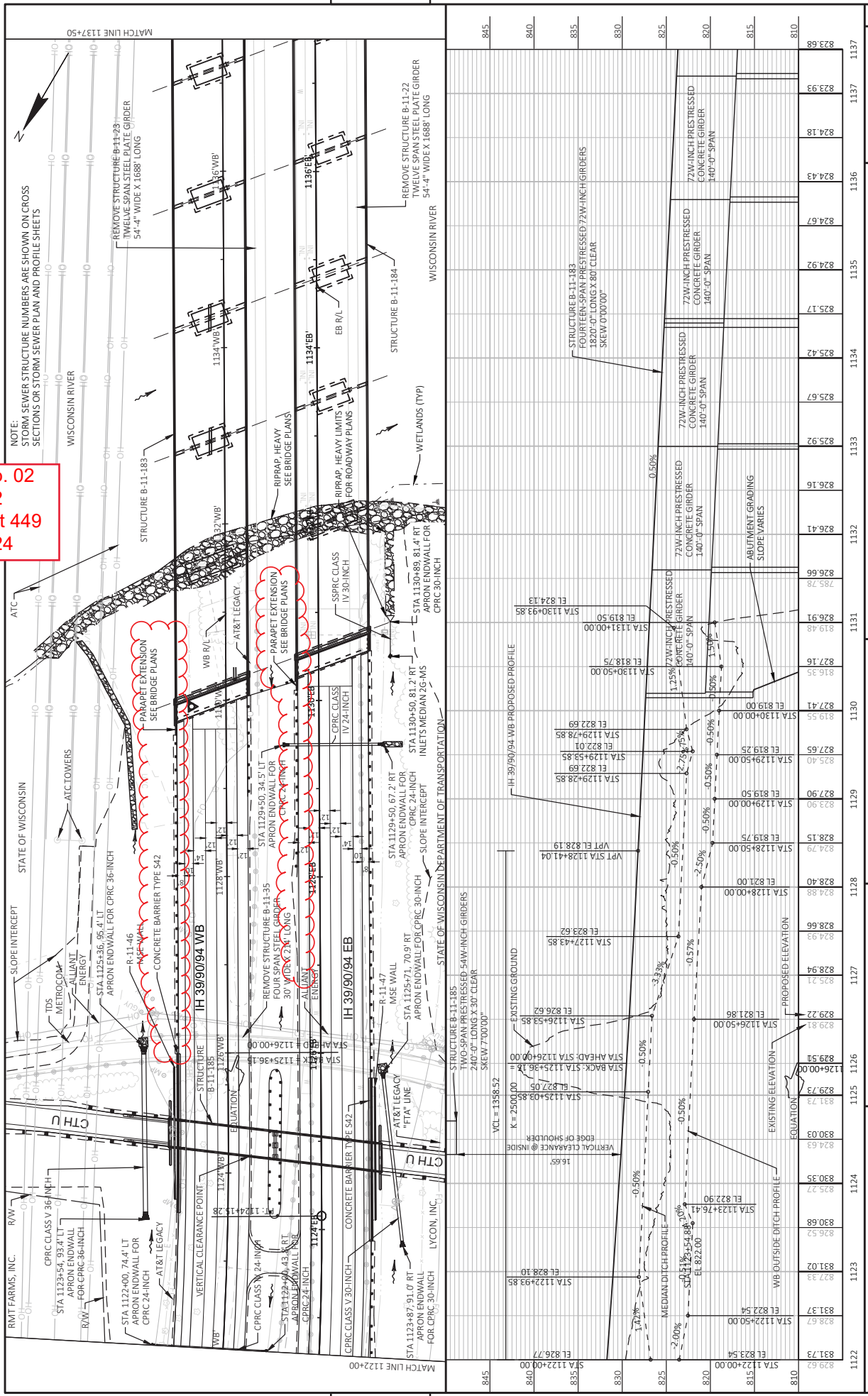


Addendum No. 02  
 ID 1010-10-82  
 Revised Sheet 444  
 March 27, 2024

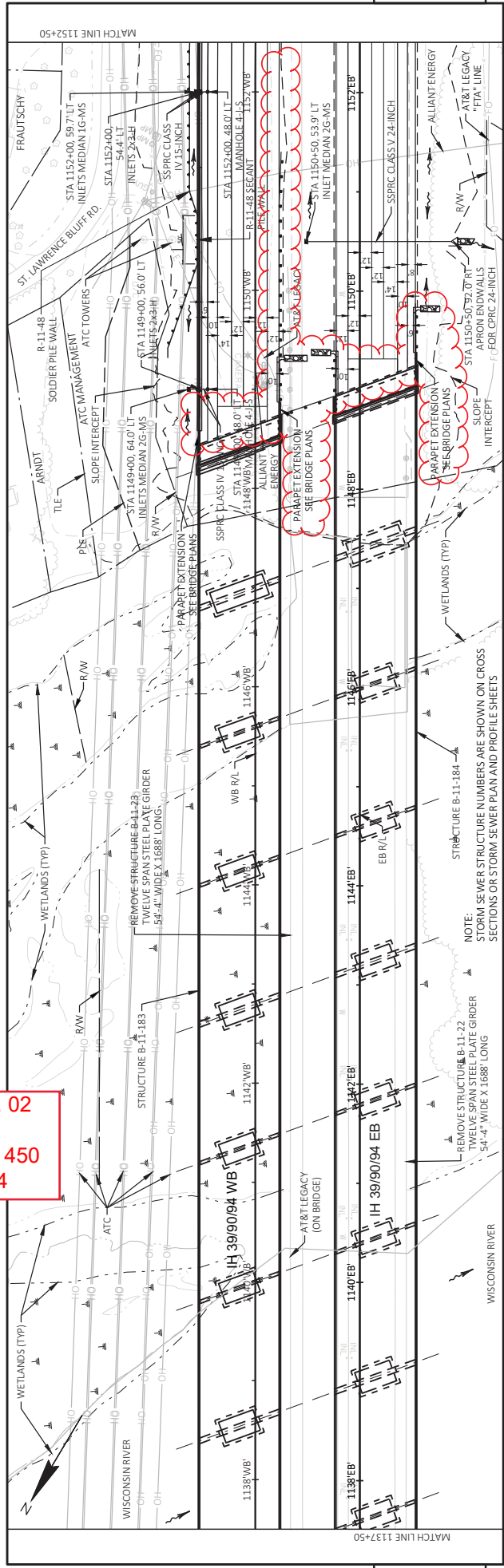


STATION	ELEVATION	DESCRIPTION
1136	824.19	EXISTING ELEVATION
1137	823.94	EXISTING ELEVATION
1138	823.44	EXISTING ELEVATION
1139	822.94	EXISTING ELEVATION
1140	822.69	EXISTING ELEVATION
1141	821.94	EXISTING ELEVATION
1142	821.44	EXISTING ELEVATION
1143	820.94	EXISTING ELEVATION
1144	820.44	EXISTING ELEVATION
1145	819.94	EXISTING ELEVATION
1146	819.44	EXISTING ELEVATION
1147	818.94	EXISTING ELEVATION
1148	818.44	EXISTING ELEVATION
1149	817.94	EXISTING ELEVATION
1150	817.38	EXISTING ELEVATION
1151	816.07	EXISTING ELEVATION

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 449**  
**March 27, 2024**



**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 450**  
**March 27, 2024**



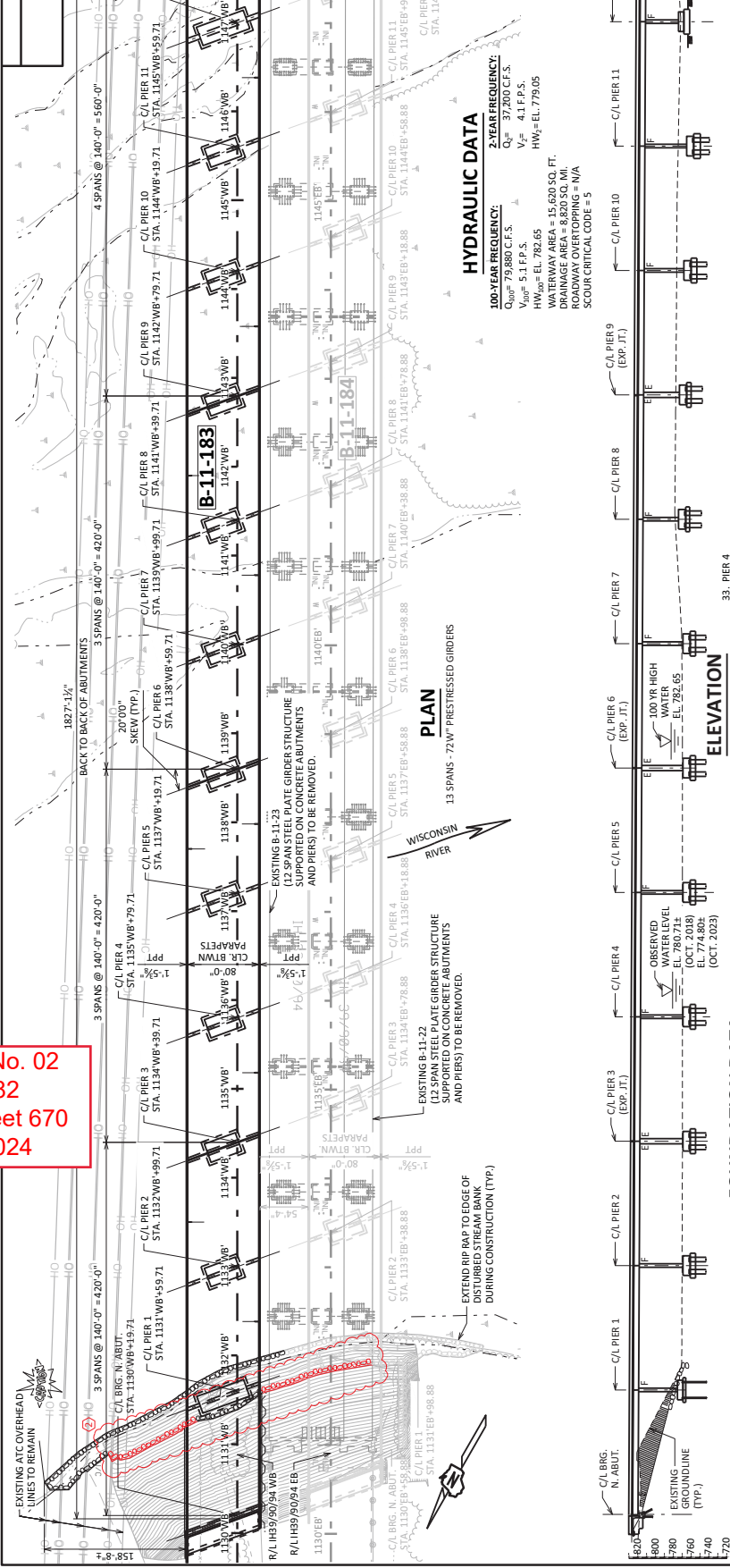
Station	Profile Description	Station	Profile Description
830	WB OUTSIDE DITCH PROFILE	1137	823.68
875	WB OUTSIDE DITCH PROFILE	1138	823.43
820	WB OUTSIDE DITCH PROFILE	1139	822.94
815	WB OUTSIDE DITCH PROFILE	1140	822.44
810	WB OUTSIDE DITCH PROFILE	1141	821.94
805	WB OUTSIDE DITCH PROFILE	1142	821.69
800	WB OUTSIDE DITCH PROFILE	1143	821.45
795	WB OUTSIDE DITCH PROFILE	1144	821.20
		1145	820.95
		1146	820.70
		1147	820.45
		1148	820.20
		1149	819.96
		1150	819.71
		1151	819.46
		1152	819.21
		1153	818.96
		1154	818.72
		1155	818.47
		1156	818.22
		1157	817.97
		1158	817.72
		1159	817.47
		1160	817.22
		1161	816.97
		1162	816.72
		1163	816.47
		1164	816.22
		1165	815.97
		1166	815.72
		1167	815.47
		1168	815.22

PROJECT NO: 1010-10-82  
 COUNTY: COLUMBIA  
 HWY: IH 39/90/94  
 PLAN AND PROFILE: IH 39 WESTBOUND  
 SHEET 450  
 E

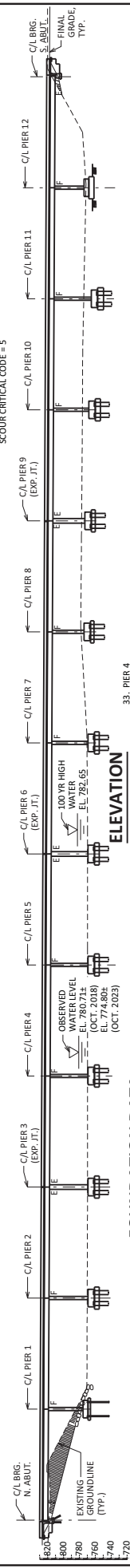
FILE NAME: C:\USER\STYON\BAGDAONE\DRIVE - DAAR CORPORATION\DOCUMENTS\SW\DESIGN\1010-10-82\_IH39\_COLUMBIA COUNTY\CAD\1010-10-82\_IH 39 COLUMBIA COUNTY\DWG\2024\1020.AWG  
 LAYOUT NAME: 12-WB  
 TOWN: BACON  
 PLOT NAME: 1 IN 100 FT  
 PLOT SCALE: 1 IN 100 FT  
 WISDOT/CADD/SHEET 44



STATE PROJECT NUMBER  
**1010-10-82**



**HYDRAULIC DATA**  
 100-YEAR FREQUENCY:  
 $Q_{100} = 79,880$  C.F.S.  
 $Q_{2} = 37,200$  C.F.S.  
 $V_{100} = 5.1$  F.P.S.  
 $V_{2} = 4.1$  F.P.S.  
 $H_{W100} = EL. 782.65$   
 $H_{W2} = EL. 779.05$   
 WATERWAY AREA = 15,620 SQ. FT.  
 DRAINAGE AREA = 8,820 SQ. MI.  
 ROADWAY OVERTOPPING = N/A  
 SCOUR CRITICAL CODE = 5



**LIST OF DRAWINGS:**

- GENERAL PLAN
- GENERAL PLAN SPANS 1-4
- GENERAL PLAN SPANS 5-8
- GENERAL PLAN SPANS 9-13
- CROSS SECTIONS - 1
- CROSS SECTIONS - 2
- CROSS SECTIONS - 3
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**FOUNDATION DATA**

NORTH ABUTMENT AND PIER 1 TO BE SUPPORTED ON HP 14 x 89 STEEL PILE AS DETERMINED BY THE PDA METHOD.  
 ESTIMATED 25'-0" LONG AT NORTH ABUTMENT. PILE POINTS REQUIRED:  
 ESTIMATED 40'-0" LONG AT PIER 1. PILE POINTS REQUIRED:  
 \*\*THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA METHOD TO DETERMINE DRIVEN PILE CAPACITY.  
 PIERS 2-11 TO BE SUPPORTED ON DRILLED SHAFTS. DRILLED SHAFTS TO BE SUPPORTED ON SOUND ROCK WITH UNCOMPRESSED COMPRESSIVE STRENGTH (UCS) OF 1,100 PSI.  
 REFER TO THE PIER SHEETS FOR THE ESTIMATED DRILLED SHAFT LENGTHS.  
 DRILLED SHAFTS EXCAVATIONS TO BE EVALUATED USING SHAFTE INSPECTION DEVICE (SOD) OR SHAFTE QUANTITATIVE INSPECTION DEVICE (SQID) TESTING (BY CONTRACTOR) AS WELL AS VISUAL INSPECTION AND SOUNDING BY CONSTRUCTION INSPECTOR OR GEOTECHNICAL ENGINEER. INTEGRITY OF COMPLETED SHAFTS TO BE EVALUATED WITH CROSS HOLE SONIC LOGGING (CSL) AND THERMAL INTEGRITY PROFILER (TIP) TESTING (BY CONTRACTOR).  
 PIER 12 AND SOUTH ABUTMENT TO BE SUPPORTED ON SPREAD FOOTINGS.  
 SPREAD FOOTINGS TO BE SUPPORTED ON SOUND ROCK WITH A REQUIRED FACTORED BEARING RESISTANCE \*\*\* OF:  
 20,000 PSF KEVED 2'-0" INTO SOUND ROCK (S. ABUT.)  
 20,000 PSF KEVED 1'-0" INTO SOUND ROCK (S. ABUT.)  
 A GEOTECHNICAL ENGINEER OR REGIONAL SOILS ENGINEER WILL EVALUATE THE FACTORED BEARING RESISTANCE BY VISUAL INSPECTION PRIOR TO CONSTRUCTION OF THE PIER FOOTING.  
 \*\*\*THE FACTORED RESISTANCE IS THE VALUE USED FOR DESIGN.

**DESIGN DATA**

**LIVELOAD:** HL-93  
**DESIGN LOADING:** HL-93  
**INVENTORY RATING:** RF = 1.09  
**OPERATING RATING:** RF = 1.41  
 WISCONSIN STANDARD PERMIT VEHICLE (MIS-SPV): 250 (KIPS)  
 STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.  
 STRUCTURES RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT THAT WILL BE APPLIED TO THE ENTIRE BRIDGE DECK.

**MATERIAL PROPERTIES:**

CONCRETE MASONRY:  $f_c = 4,000$  PSI  
 CONCRETE:  $f_c = 4,000$  PSI  
 DRILLED SHAFTS:  $f_c = 4,000$  PSI  
 ALL OTHER:  $f_c = 3,500$  PSI  
 BAR STEEL REINFORCEMENT:  $f_y = 60,000$  PSI  
 GRADE 60:  $f_y = 60,000$  PSI  
 STAINLESS, GRADE 60:  $f_y = 8,000$  PSI  
 72W PRESTRESSED GIRDERS:  $f_y = 8,000$  PSI  
 CONCRETE MASONRY:  $f_c = 4,000$  PSI  
 STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

**TRAFFIC DATA**

IH 39/09/94 WB: 12.5  
 R.O.S. - 70' MTD

**DESIGN CONTACTS:**  
 ANN THELMANN 608-261-0375  
 DOMINIQUE BECHLE 608-261-8205

**REVISIONS:**

NO.	DATE	REVISION	BY
1	3/21/24	PARAPET EXTENSION & RIPRAP	JPH

**03/22/24**

**STRUCTURE DESIGN CONTACTS:**  
 ANN THELMANN 608-261-0375  
 DOMINIQUE BECHLE 608-261-8205

**3/21/24 PARAPET EXTENSION & RIPRAP**

**DATE**

**BUREAU OF STRUCTURES**  
 03/03/24

**STRUCTURE B-11-183**

IH 39/09/94 WB OVER WISCONSIN RIVER

COLUMBIA TOWN

DECORRA

DESIGNER: JPH

ASSIGNED: JPH

BY: JPH

DATE: 03/03/24

**GENERAL PLAN**

SHEET 1 OF 103

**670**

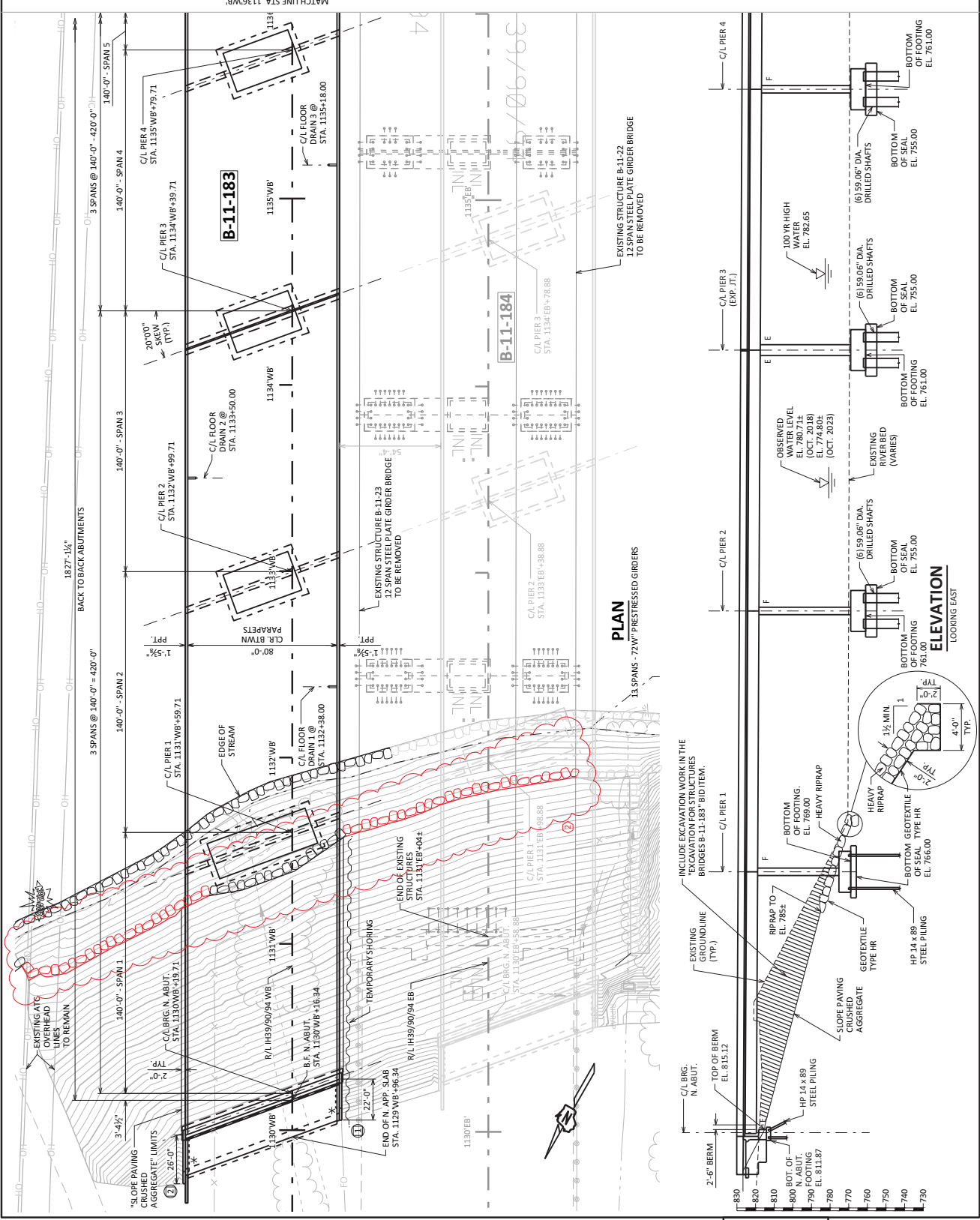
DATE: MAR 2024

STATE PROJECT NUMBER  
**1010-10-82**

INDICATES WING NUMBER  
\* PROVIDE FOR THREE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 671  
March 27, 2024

NO.	DATE	REVISION	BY
2	3/21/24	UPDATED RIPRAP	JPH
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE		B-11-183	
DESIGNED BY	ACT/PH	EKCB	ACT
GENERAL PLAN SPANS 1-4			
SHEET 2			671

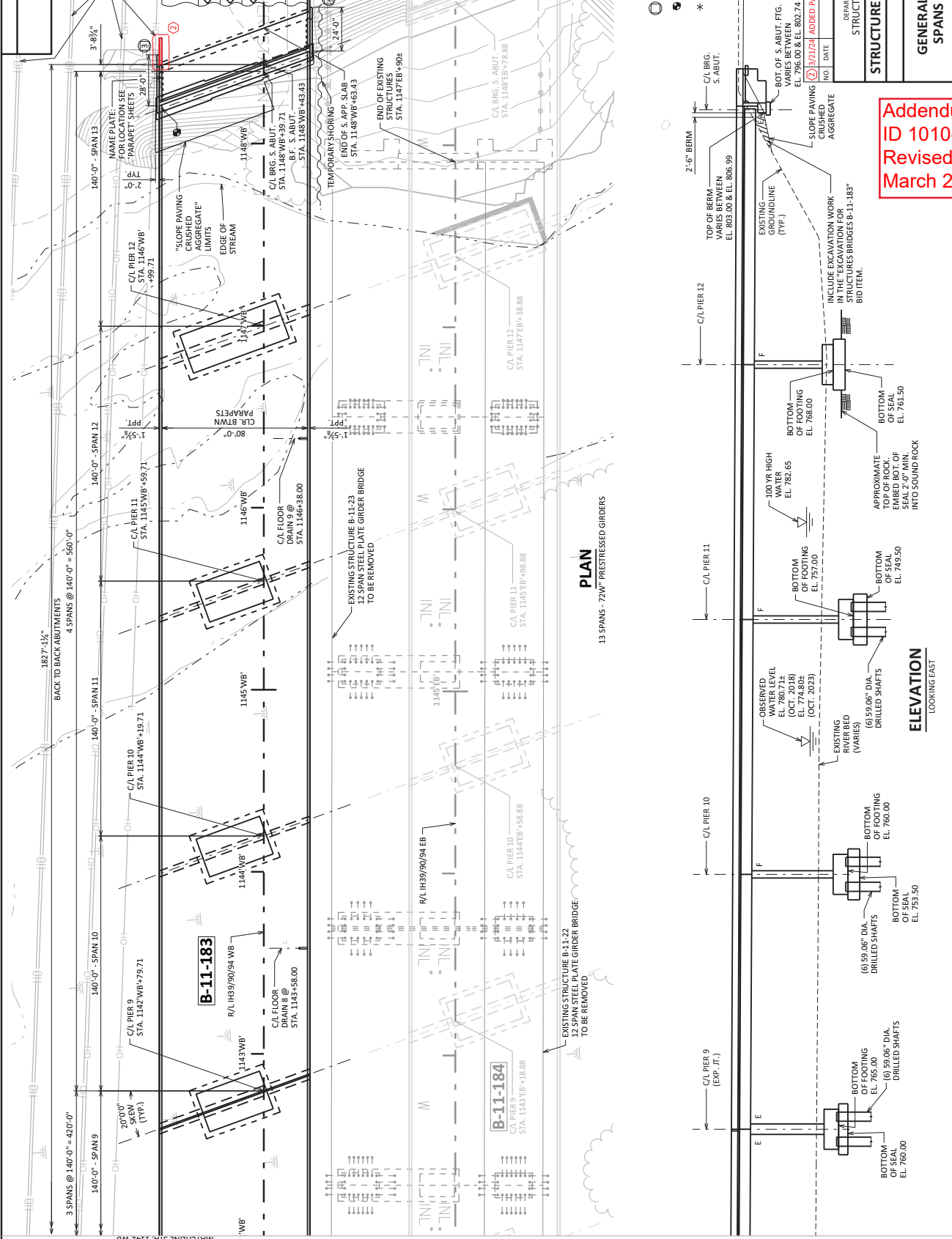


8

8

SCALE = 50

STATE PROJECT NUMBER  
**1010-10-82**



**PLAN**

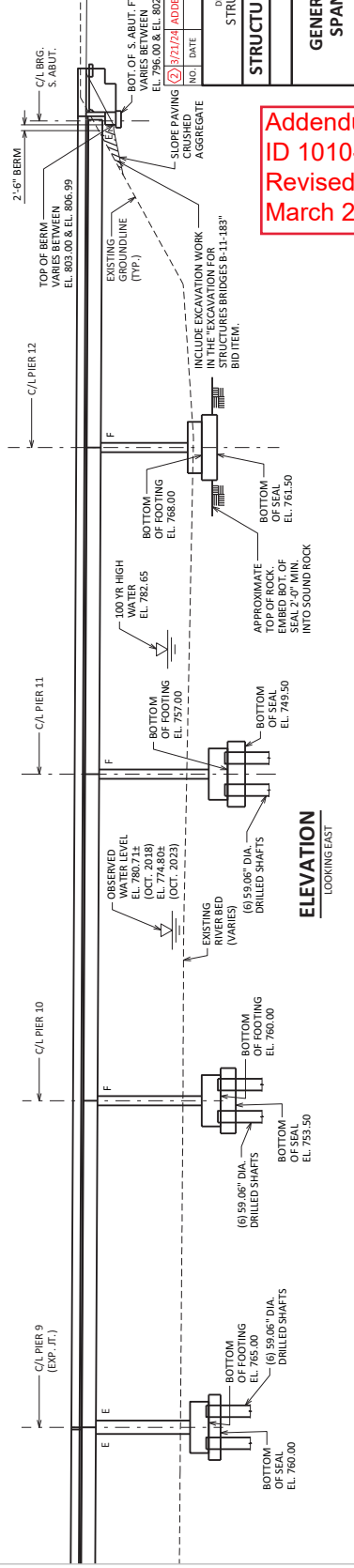
13 SPANS - 72'W" PRESTRESSED GIRDERS

- INDICATES WING NUMBER
- ⊕ BENCHMARK CAP: FOR LOCATION SEE "PARAPET" SHEETS.
- \* PROVIDE FOR THREE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

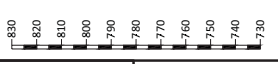
DATE: 03/22/24  
 REVISION: 03/22/24  
 BY: JPH  
 FOR: ADDED PARAPET EXTENSION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
STRUCTURES DESIGN SECTION	
STRUCTURE B-11-183	
DESIGNED BY: JPH	CHECKED BY: ACT
SHEET 4	
GENERAL PLAN SPANS 9-13	
673	

Addendum No. 02  
 ID 1010-10-82  
 Revised Sheet 673  
 March 27, 2024



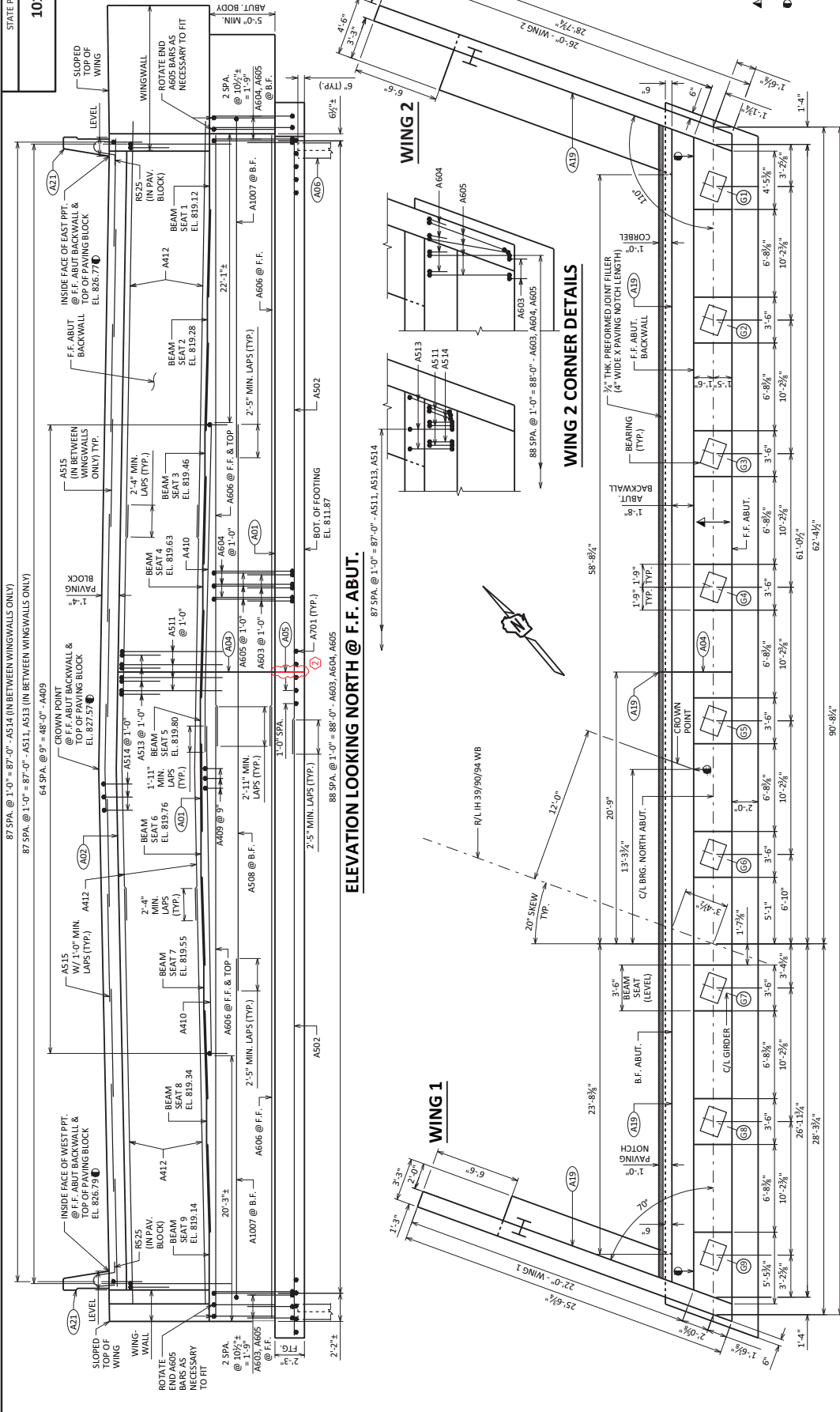
**ELEVATION**  
LOOKING EAST







**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 678**  
**March 27, 2024**



NO.	DATE	RELOCATED FIG.	VERT. CONST. JOINT	REVISION	BY
2	2/21/24				JPH

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

**STRUCTURE B-11-183**

DESIGNED BY: JPH  
CHECKED BY: ACT

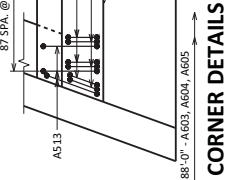
SHEET 9  
**678**

**NORTH ABUTMENT**

03/22/24

- (A19) 3/8" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.
- (A21) FOR PPT. BARS & DIMENSIONS SEE PARAPET SHEETS.
- (A05) OPTIONAL VERTICAL CONST. JOINT IN FOOTING.
- (A06) SUPPORT ABUTMENT ON HP 14 x 85 STEEL PILING. RESISTANCE OF 300 TONS \* PER PILE AS DETERMINED BY THE PILE DRIVING ANALYZER. PILE POINTS ARE REQUIRED AT ALL PILES TO PROTECT PILES DURING DRIVING.
- \* COMPRESSION USED FOR DESIGN OF PILES IN DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA METHOD TO DETERMINE DRIVEN PILE CAPACITY.

- (A07) CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 8".
- (A08) CONST. JOINT: FOUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS PLACED. CONCRETE SHOULD BE LEFT TO CURE AND LEAVE ROUGH. CONCRETE POURED ABOVE THIS JOINT WITHIN THE PAVING STRUCTURES CONCRETE.
- (A09) CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 8". FRONT FACE AND 38" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.



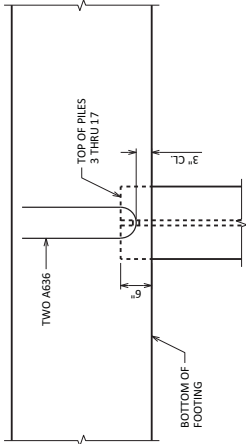
**PLAN**

- (A01) CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 8".
- (A02) CONST. JOINT: FOUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS PLACED. CONCRETE SHOULD BE LEFT TO CURE AND LEAVE ROUGH. CONCRETE POURED ABOVE THIS JOINT WITHIN THE PAVING STRUCTURES CONCRETE.
- (A03) CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 8". FRONT FACE AND 38" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.



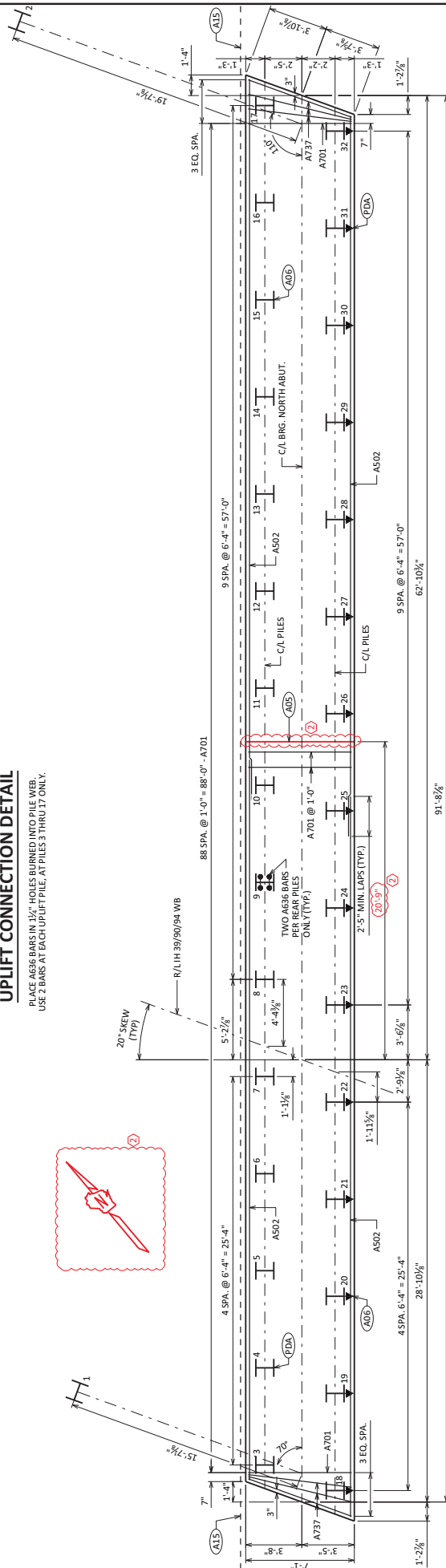
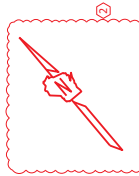
STATE PROJECT NUMBER  
1010-10-82

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 679  
March 27, 2024



**UPLIFT CONNECTION DETAIL**

PLACE A636 BARS IN 1 1/2" HOLES BURNED INTO PILE WEB.  
USE 2 BARS AT EACH UPLIFT PILE, AT PILES 3 THROUGH 17 ONLY.



**FOOTING & PILE PLAN**

- (A15) PIPE UNDERDRAIN WRAPPED (UNLESS SLOPE 0.5% MIN TO SUITABLE DRAINAGE, ROBERT SHIELD REQUIRED).
- (A502) OPTIONAL VERTICAL CONST. JOINT IN FOOTING.
- (A502) SUPPORT ABUTMENT ON HP 14 X 89 STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 300 TONS PER PILE. AS DETERMINED BY TESTING, THE REQUIRED DRIVING RESISTANCE IS REQUIRED AT ALL PILES TO PROTECT PILES DURING DRIVING.
- (A701) PILE DYNAMIC ANALYZER TESTING AND RESTRIKES REQUIRED AT THIS PILE
- (A701) INDICATES PILE BATTERED 1:4 IN DIRECTION SHOWN.
- \* THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.75. THIS METHOD TO DETERMINE DRIVEN PILE CAPACITY.

8

8

NO.	DATE	REVISION	BY
2	3/21/24	RELOCATED FTG. VERT. CONST. JOINT	JPH
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-11-183		DESIGNED BY	ACT
		CHECKED BY	JPH
		DATE	03/22/24
NORTH ABUTMENT FOOTING			SHEET 10
			679

SCALE =



Addendum No. 02  
ID 1010-10-82  
Revised Sheet 690  
March 27, 2024

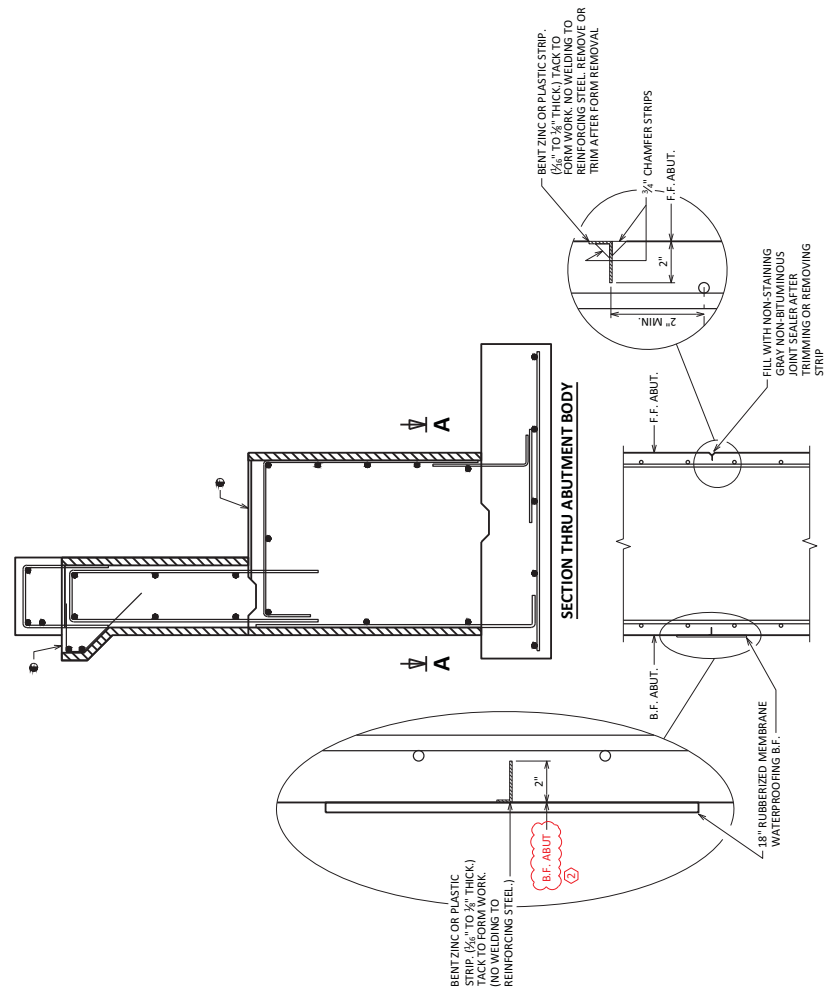
**NOTES**  
 1. BENT ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.  
 2. VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.  
 3. CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.  
 4. SAW CUTTING JOINT IS NOT ALLOWED.  
 5. USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY
1	03/22/24	B. F. ABUT. NOTE	JPH

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE B-11-183  
DESIGNED BY JPH  
CHECKED BY ACT

03/22/24



ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

**BILL OF BARS**

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	NO. REQ'D.	LENGTH	BAR SERIES	LOCATION
D1101	X 124	24'-6"		SHAFT/VERT.
D1102	X 24	24'-0"		SHAFT/CAP/VERT.
D1103	X 100	34'-0"		SHAFT/CAP/VERT.
D704	X 8	38'-4"	X	CAP-HORIZ-BOT.
D805	X 2	40'-10"	X	CAP-HORIZ-BOT.
D706	X 16	30'-9"		CAP-HORIZ-BOT SIDES
D807	X 4	31'-0"		CAP-HORIZ-BOT SIDES
D608	X 16	45'-2"	X	CAP-VERT. STIRRUP
D609	X 168	30'-6"	X	CAP-VERT. STIRRUP
D610	X 84	30'-1"	X	CAP-VERT. STIRRUP
D611	X 74	18'-6"	X	CAP-VERT.-ABOVE SHAFT
D812	X 116	32'-2"	▲	CAP-HORIZ SERIES
D813	X 20	46'-0"		CAP-HORIZ
D814	X 88	8'-11"	X	CAP-VERT. SUPPORT BARS
D1115	X 16	41'-3"		CAP-HORIZ-TOP
D1116	X 16	60'-0"		CAP-HORIZ-TOP
D1117	X 16	43'-6"	X	CAP-HORIZ-TOP
D1118	X 16	44'-0"	X	CAP-HORIZ-TOP
D1119	X 32	60'-0"	X	CAP-HORIZ-TOP
D620	X 16	11'-7"	X	CAP-HORIZ-END U-BAR
D621	X 37	12'-11"	X	CAP-VERT.-TOP
D422	X 14	25'-6"		CAP-HORIZ-TOP
D423	X 49	9'-3"	X	CAP-VERT.-TOP U-BAR
D624	X 8	45'-0"		CAP-VERT.-STIRRUPS
D1125	X 54	24'-10"	X	FOOTING-HORIZ-BOT.
D1026	X 50	39'-7"	X	FOOTING-HORIZ-BOT.
D827	X 122	9'-6"	X	FOOTING-VERT. U-BAR SIDES
D528	X 14	36'-6"		FOOTING-HORIZ-SIDES
D930	X 35	21'-6"	X	FOOTING-HORIZ-SIDES
D1131	X 124	19'-10"	X	FOOTING-HORIZ-TOP
D432	X 62	11'-10"	X	FOOTING/SHAFT-VERT.
D433	X 62	24'-6"	X	FOOTING/SHAFT-HORIZ
D434	X 434	5'-9"	X	FOOTING/SHAFT-HORIZ TIE BARS
D435	X 906	15'-7"	X	DRILLED SHAFT-HORIZ. HOOP TIE BARS
D1036	X 120	47'-0"		DRILLED SHAFT-VERT.
D1037	X 240	59'-0"		DRILLED SHAFT-VERT.
D438	X 24	40'-0"		DRILLED SHAFT-VERT. TIP TESTING

▲ LENGTH SHOWN FOR BARS IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

**BAR SERIES TABLE**

BUNDLE AND TAG EACH SERIES SEPARATELY.

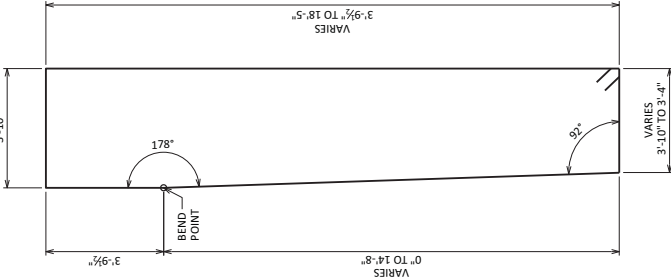
BAR MARK	NO. REQ'D	LENGTH
D609	4 SERIES OF 42	16'-1" TO 44'-11"
D610	2 SERIES OF 42	15'-6" TO 44'-8"
D812	4 SERIES OF 29	19'-0" TO 45'-3"

★ DRILLED SHAFT/VERT. BARS TO LAP A MIN. OF 5'-5". IF TIP ELEVATION IS ADJUSTED IN THE FIELD, CONTRACTOR TO VERIFY LAP LENGTHS IS MAINTAINED.

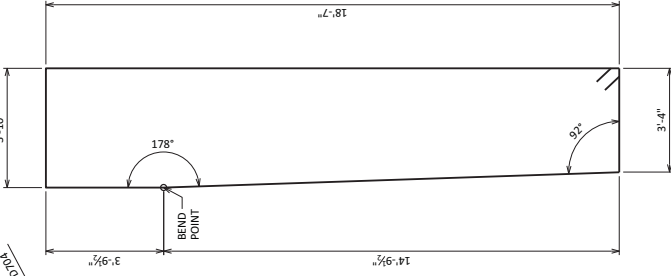
Addendum No. 02  
ID 1010-10-82  
Revised Sheet 701  
March 27, 2024



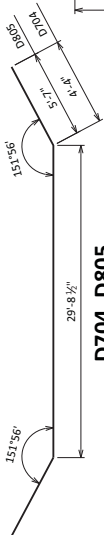
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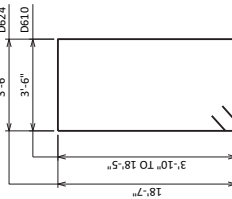
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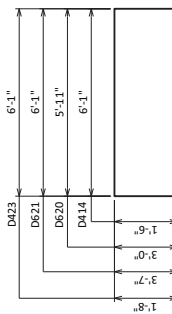
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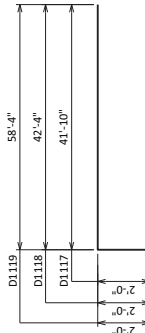
**D704, D805**



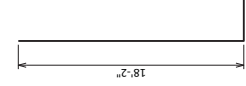
**D610, D624**



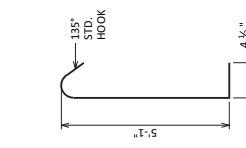
**D414, D620, D621, D423**



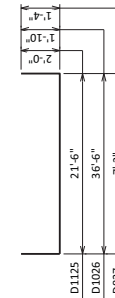
**D1117, D1118, D1119**



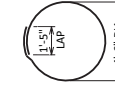
**D1131**



**D434**



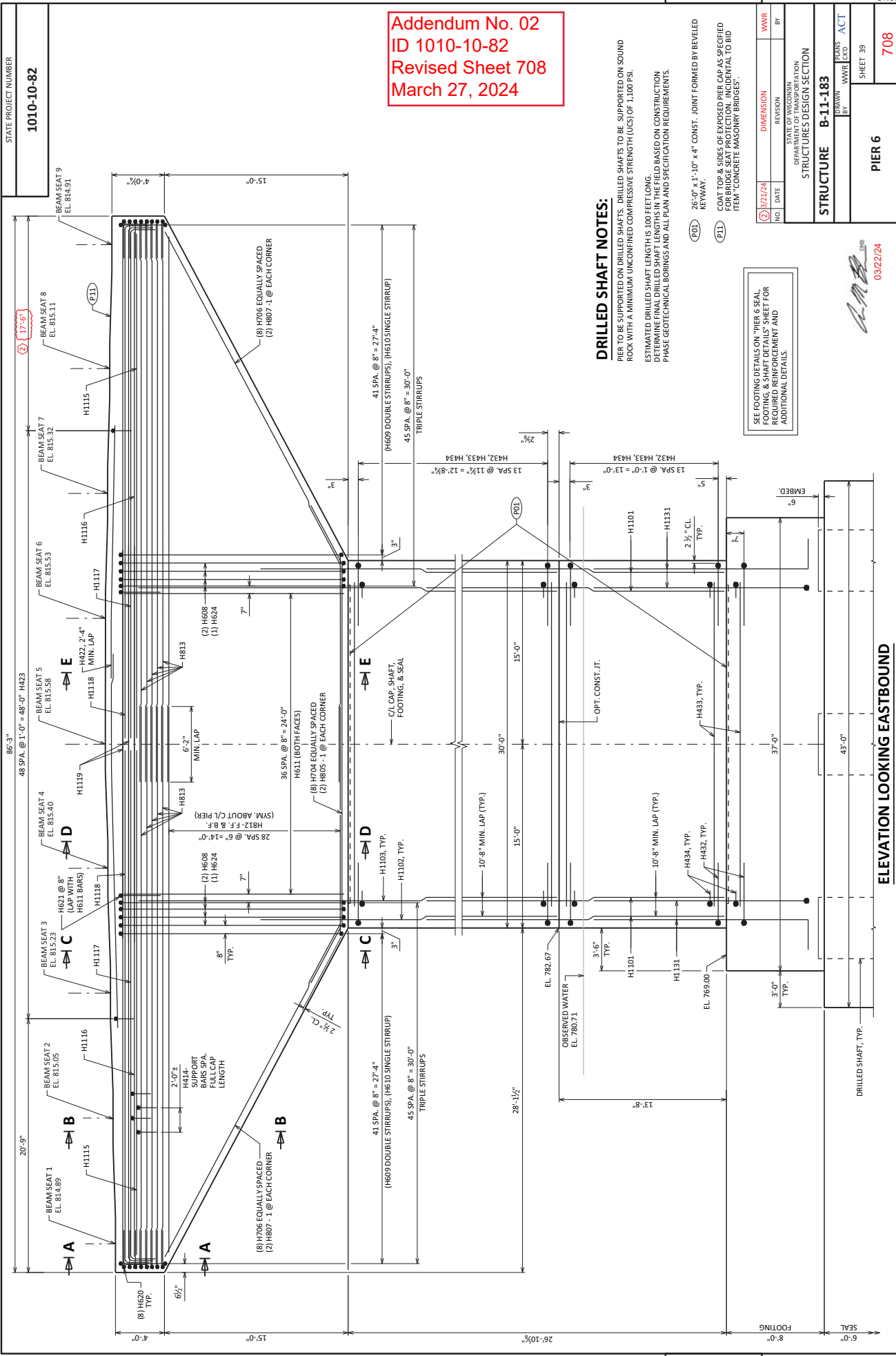
**D1125, D1026, D827**



**D435**

*Signature*  
03/22/24

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 708  
March 27, 2024



**DRILLED SHAFT NOTES:**

PIER TO BE SUPPORTED ON DRILLED SHAFTS. DRILLED SHAFTS TO BE SUPPORTED ON SOUND ROCK WITH A MINIMUM UNCONFINED COMPRESSIVE STRENGTH (UCS) OF 1,100 PSI.  
ESTIMATED DRILLED SHAFT LENGTH IS 100 FEET LONG.  
DETERMINE FINAL DRILLED SHAFT LENGTHS IN THE FIELD BASED ON CONSTRUCTION PHASE GEOTECHNICAL BORINGS AND ALL PLAN AND SPECIFICATION REQUIREMENTS.

- (F02) 26'-0" x 1'-10" x 4' CONST. JOINT FORMED BY BEVELED KEYWAY.
- (F11) COAT TOP & SIDES OF EXPOSED PIER CAP AS SPECIFIED PER CONSTRUCTION PHASE GEOTECHNICAL BORING TO BID ITEM CONCRETE MASONRY BRIDGES.

SEE FOOTING DETAILS ON "PIER 6 SEAL, FOOTING, & SHAFT DETAILS" SHEET FOR ADDITIONAL DETAILS.

NO.	DATE	REVISION	BY
2	3/21/24	WWR	

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE B-11-183  
DESIGNED BY WWR  
CHECKED BY ACT

PIER 6  
SHEET 39  
708

03/22/24

**ELEVATION LOOKING EASTBOUND**

STATE PROJECT NUMBER  
**1010-10-82**

SCALE =

**BILL OF BARS**

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	NO. REQ'D	LENGTH	BAR SERIES	LOCATION
H1101	X 124	24'-6"		SHAFT/VERT.
H1102	X 24	21'-11"		SHAFT/CAP-VERT.
H1103	X 100	32'-0"		SHAFT/CAP-VERT.
H704	X 8	38'-4"	X	CAP-HORIZ.-BOT.
H805	X 2	40'-10"	X	CAP-HORIZ.-BOT. SIDES
H706	X 16	30'-9"	X	CAP-HORIZ.-BOT. SIDES
H807	X 4	31'-0"	X	CAP-VERT. STIRRUP
H608	X 16	45'-2"	X	CAP-VERT. STIRRUP
H609	X 168	30'-6"	X	CAP-VERT. STIRRUP
H610	X 84	30'-1"	X	CAP-VERT.-ABOVE SHAFT
H611	X 74	18'-6"	X	CAP-VERT.-ABOVE SHAFT
H812	X 116	32'-2"	X	CAP-HORIZ. SERIES
H813	X 20	46'-0"	X	CAP-HORIZ.
H414	X 88	8'-11"	X	CAP-VERT. SUPPORT BARS
H1115	X 16	41'-3"	X	CAP-HORIZ.-TOP
H1116	X 16	60'-0"	X	CAP-HORIZ.-TOP
H1117	X 16	43'-6"	X	CAP-HORIZ.-TOP
H1118	X 16	44'-0"	X	CAP-HORIZ.-TOP
H1119	X 32	69'-0"	X	CAP-HORIZ.-TOP
H620	X 16	11'-7"	X	CAP-HORIZ.-END U-BAR
H621	X 37	12'-11"	X	CAP-VERT.-TOP
H422	X 14	25'-6"	X	CAP-HORIZ.-TOP
H423	X 49	9'-3"	X	CAP-VERT.-TOP U-BAR
H624	X 8	45'-0"	X	CAP-VERT.-STIRRUPS
H1125	X 54	24'-10"	X	FOOTING-HORIZ.-BOT.
H1026	X 50	39'-7"	X	FOOTING-HORIZ.-BOT.
H827	X 122	9'-6"	X	FOOTING-VERT. U-BAR SIDES
H528	X 14	36'-6"	X	FOOTING-HORIZ.-SIDES
H529	X 14	21'-6"	X	FOOTING-HORIZ.-SIDES
H930	X 124	21'-6"	X	FOOTING-HORIZ.-TOP
H1131	X 124	19'-10"	X	FOOTING/SHAFT-VERT.
H432	X 58	11'-10"	X	FOOTING/SHAFT-HORIZ.
H433	X 58	24'-6"	X	FOOTING/SHAFT-HORIZ.
H434	X 406	5'-9"	X	FOOTING/SHAFT-HORIZ. TIE BARS
H435	X 606	15'-7"	X	DRILLED SHAFT-HORIZ. HOOP TIE BARS
H1036	X 120	49'-9"	X	DRILLED SHAFT-VERT.
H1037	X 120	59'-9"	X	DRILLED SHAFT-VERT.
H438	X 18	35'-0"	X	DRILLED SHAFT-VERT. TIP TESTING

▲ LENGTH SHOWN FOR BARS IN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

**BAR SERIES TABLE**

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D	LENGTH
H609	4 SERIES OF 42	16'-1" TO 41'-11"
H610	2 SERIES OF 42	15'-6" TO 44'-8"
H812	4 SERIES OF 29	19'-0" TO 45'-3"

★ DRILLED SHAFT/VERT. BARS TO LAP A MIN. OF 5'-5". IF TIP ELEVATION IS ADJUSTED IN THE FIELD, CONTRACTOR TO VERIFY THAT MIN. LAP LENGTH IS MAINTAINED.

SCALE =

DATE: 3/21/24

REVISION: WWR

BY:

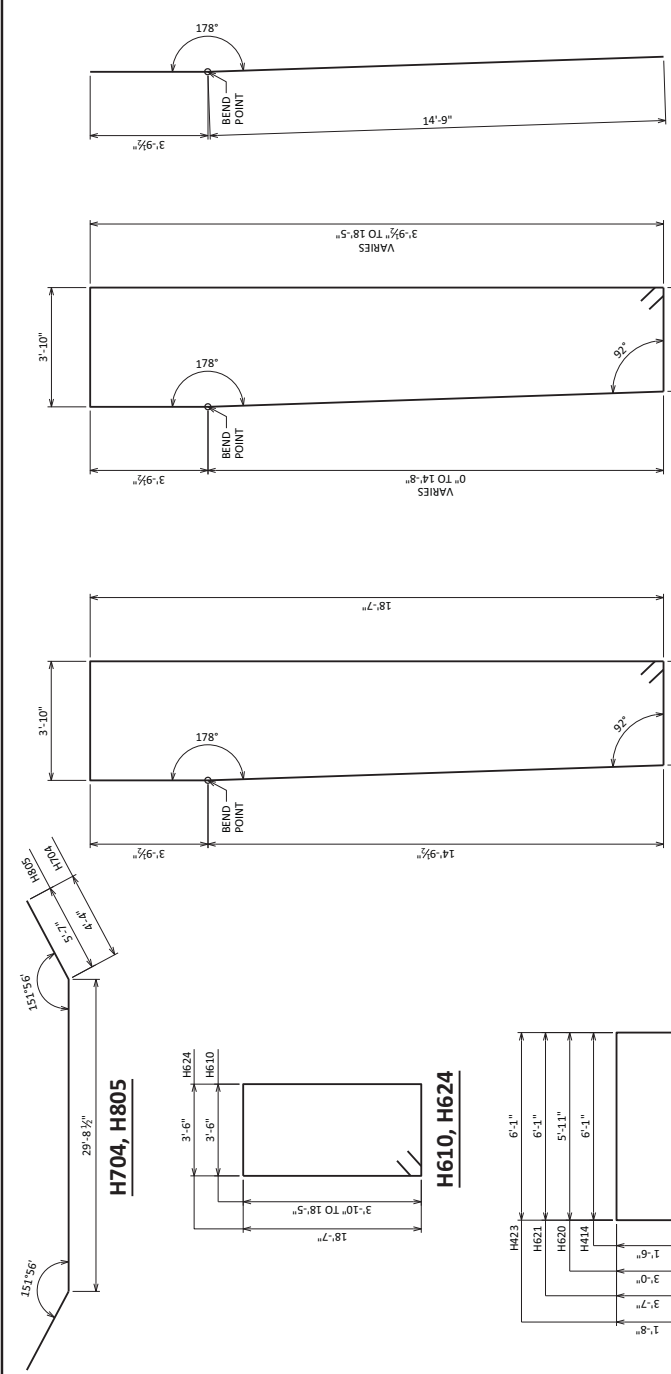
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE **B-11-183**

DESIGNED BY: WWR  
CHECKED BY: ACT

PIER 6  
DETAILS

SHEET 43  
**712**



Addendum No. 02  
ID 1010-10-82  
Revised Sheet 712  
March 27, 2024

03/22/24

**BILL OF BARS**

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	NO. REQ'D.	LENGTH	BAR SERIES	LOCATION
L1101	X 124	20'-6"		SHAFT-VERT.
L1102	X 24	19'-9"		SHAFT/CAP-VERT.
L1103	X 100	29'-10"		SHAFT/CAP-VERT.
L704	X 8	38'-4"		CAP-HORIZ.-BOT.
L805	X 2	40'-10"		CAP-HORIZ.-BOT.
L706	X 16	30'-9"		CAP-HORIZ.-BOT. SIDES
L807	X 4	31'-0"		CAP-HORIZ.-BOT. SIDES
L608	X 16	45'-2"		CAP-VERT. STIRRUP
L609	X 168	30'-6"		CAP-VERT. STIRRUP
L610	X 84	30'-1"		CAP-VERT. STIRRUP
L611	X 74	18'-6"		CAP-VERT.-ABOVE SHAFT
L812	X 116	32'-2"		CAP-HORIZ. SERIES
L813	X 20	46'-0"		CAP-HORIZ.
L414	X 88	8'-11"		CAP-VERT. SUPPORT BARS
L1115	X 16	41'-3"		CAP-HORIZ.-TOP
L1116	X 16	60'-0"		CAP-HORIZ.-TOP
L1117	X 16	43'-6"		CAP-HORIZ.-TOP
L1118	X 16	44'-0"		CAP-HORIZ.-TOP
L1119	X 32	60'-0"		CAP-HORIZ.-TOP
L621	X 16	11'-7"		CAP-HORIZ.-END U-BAR
L622	X 37	12'-11"		CAP-VERT.-TOP
L422	X 14	25'-6"		CAP-HORIZ.-TOP
L423	X 49	9'-3"		CAP-VERT.-TOP U-BAR
L624	X 8	45'-0"		CAP-VERT.-STIRRUPS
L1125	X 54	24'-10"		FOOTING-HORIZ.-BOT.
L1026	X 50	39'-7"		FOOTING-HORIZ.-BOT.
L827	X 122	9'-6"		FOOTING-VERT. U-BAR SIDES
L528	X 14	36'-6"		FOOTING-HORIZ.-SIDES
L529	X 14	21'-6"		FOOTING-HORIZ.-TOP
L800	X 35	21'-6"		FOOTING-HORIZ.-TOP
L1131	X 124	19'-10"		FOOTING/SHAFT-VERT.
L432	X 46	11'-10"		FOOTING/SHAFT-HORIZ.
L433	X 46	24'-6"		FOOTING/SHAFT-HORIZ.
L434	X 322	5'-9"		FOOTING/SHAFT-HORIZ. TIE BARS
L435	X 606	15'-7"		DRILLED SHAFT-HORIZ. HOOP TIE BARS
L1036	X 120	49'-9"		DRILLED SHAFT-VERT.
L1037	X 120	59'-9"		DRILLED SHAFT-VERT.
L438	X 18	35'-0"		DRILLED SHAFT-VERT. TIP TESTING

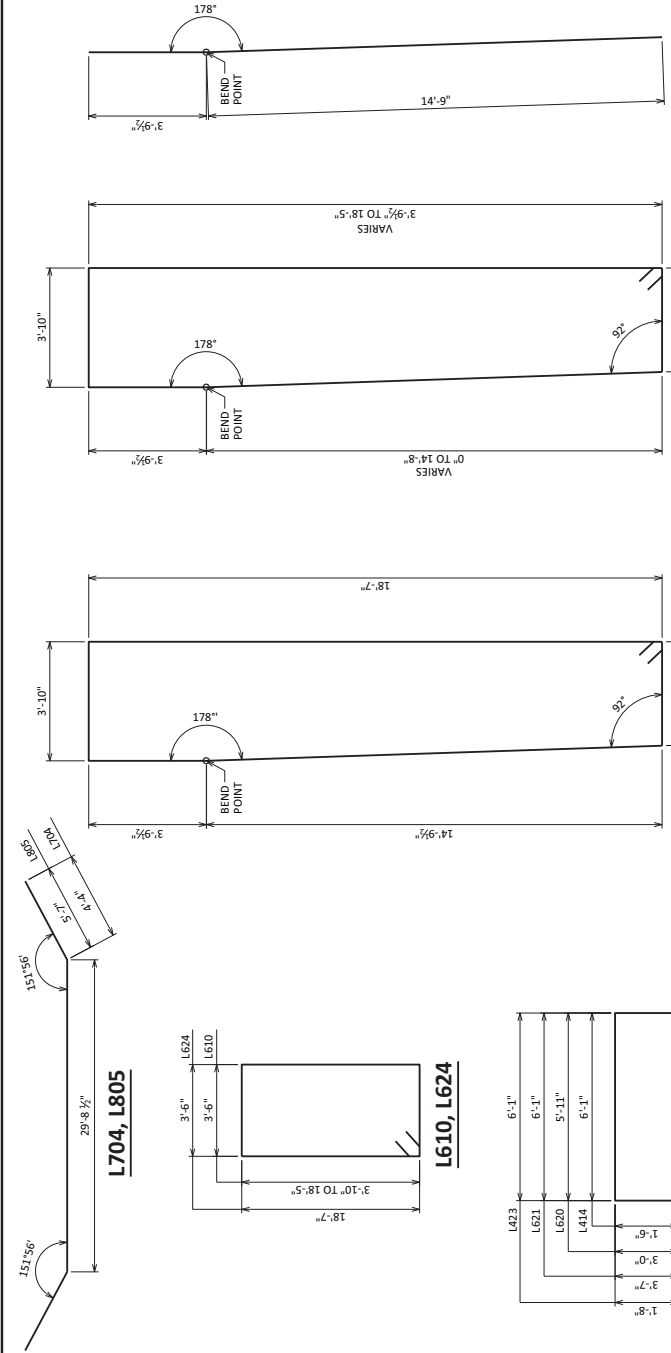
▲ LENGTH SHOWN FOR BARS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

**BAR SERIES TABLE**

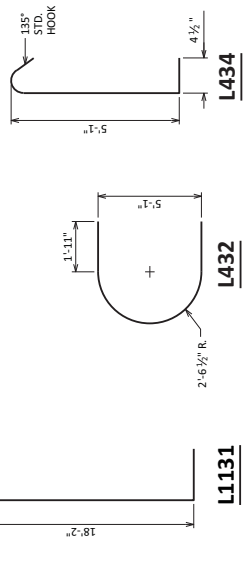
BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D	LENGTH
L609	4 SERIES OF 42	16'-1" TO 44'-11"
L610	2 SERIES OF 42	15'-6" TO 44'-8"
L812	4 SERIES OF 29	19'-0" TO 45'-3"

★ DRILLED SHAFT VERT. BARS TO LAP A MIN. OF 5'-5". IF TIP ELEVATIONS ADJUSTED IN THE FIELD, VERIFY FOR TO VERIFY THAT LAP LENGTHS IS MAINTAINED.



Addendum No. 02  
ID 1010-10-82  
Revised Sheet 723  
March 27, 2024



03/22/24

PIER 9  
DETAILS

8723

WWR

REVISION

DATE

BY

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE B-11-183

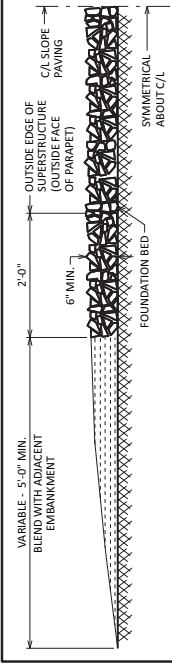
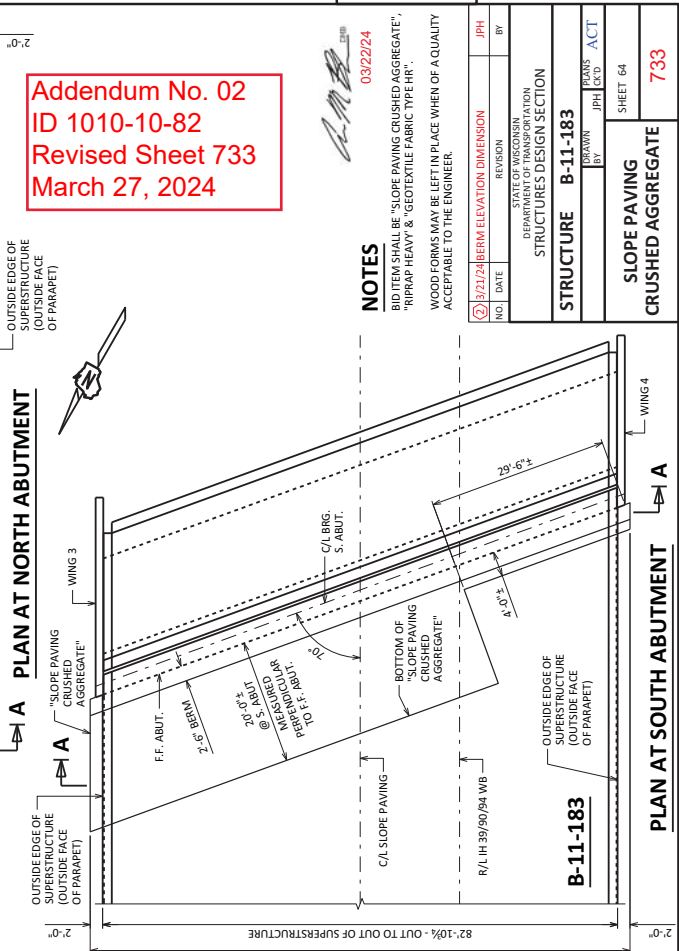
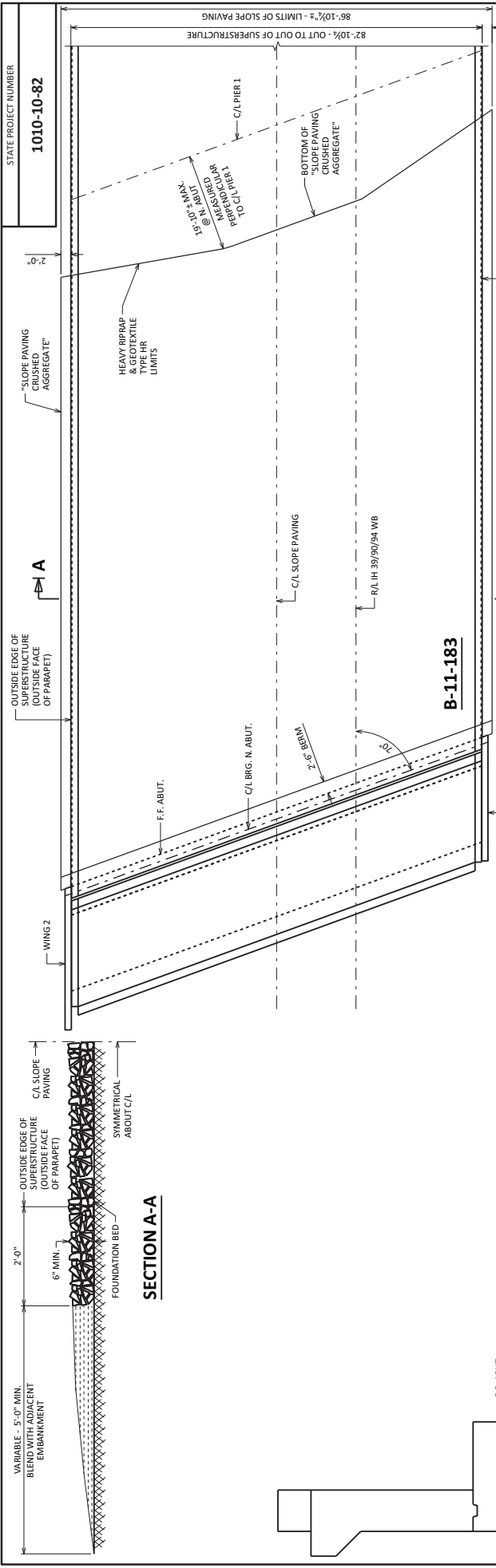
DESIGNED BY WWR LKD

CHECKED BY ACT

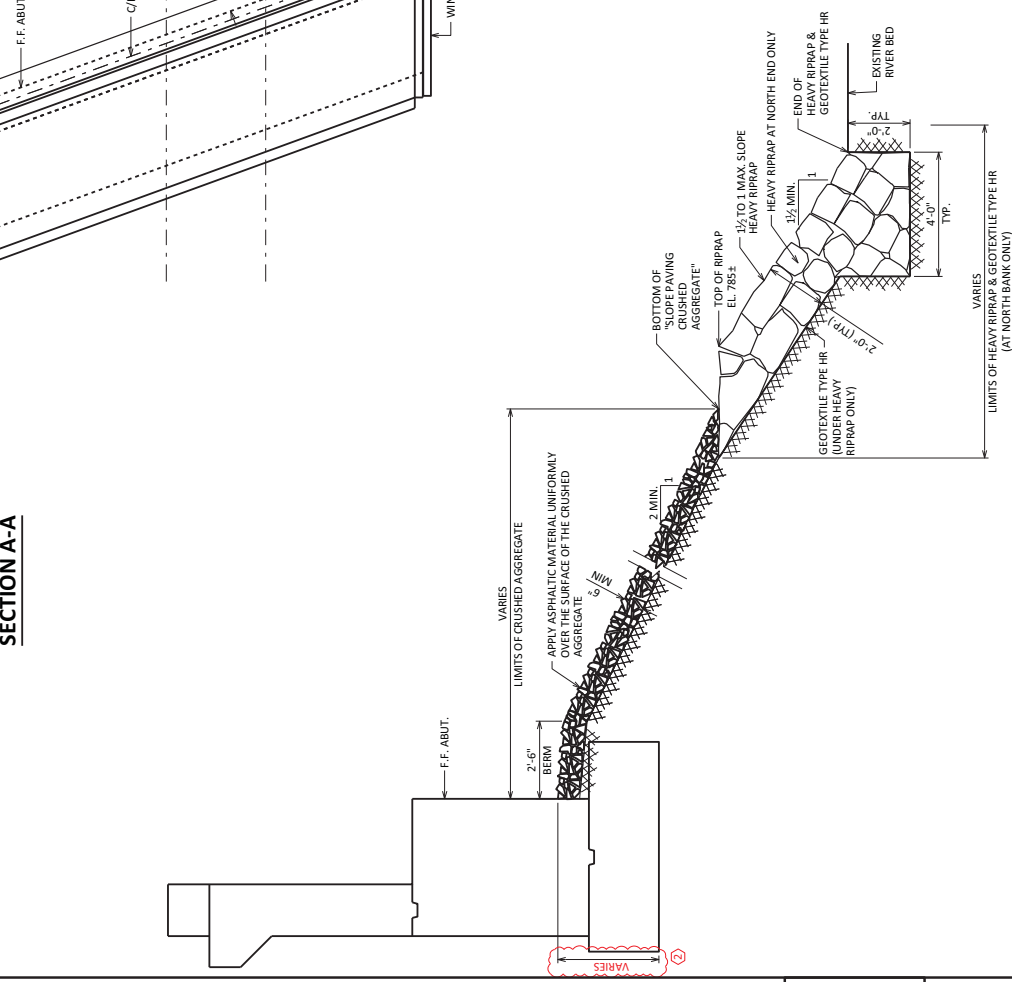
SHEET 54

723

SCALE =



**SECTION A-A**



**CROSS SECTION THRU SLOPE PAVING AT BOTH ABUTMENTS**

ROUND STONE WILL NOT BE ACCEPTED FOR CRUSHED AGGREGATE

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 733**  
**March 27, 2024**

**NOTES**  
 1. ITEMS SHALL BE "SLOPE PAVING CRUSHED AGGREGATE", "RIPRAP HEAVY" & "GEOTEXTILE FABRIC TYPE HR".  
 2. WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

03/22/24  
 [Signature]

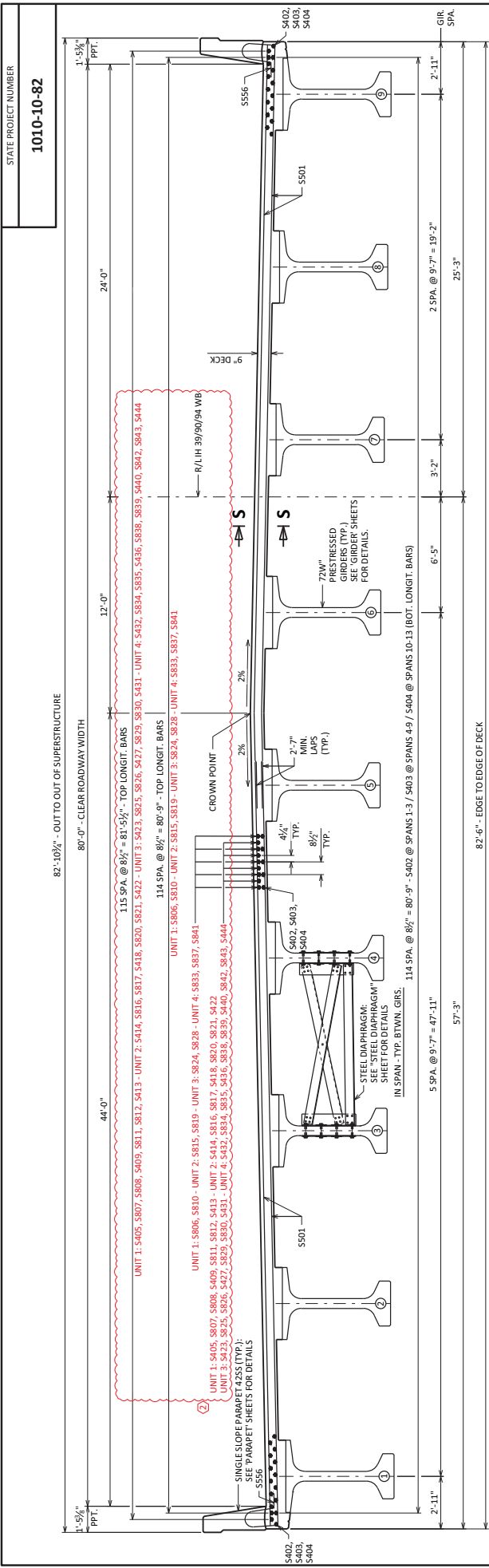
NO.	DATE	REVISION	BY
1	03/22/24	BERM ELEVATION DIMENSION	JPH

STATE OF WISCONSIN	
DEPARTMENT OF TRANSPORTATION	
STRUCTURES DESIGN SECTION	
STRUCTURE	B-11-183
DRAWN BY	JPH
CHECKED BY	ACT
SHEET 64	
SLOPE PAVING	
CRUSHED AGGREGATE	
733	

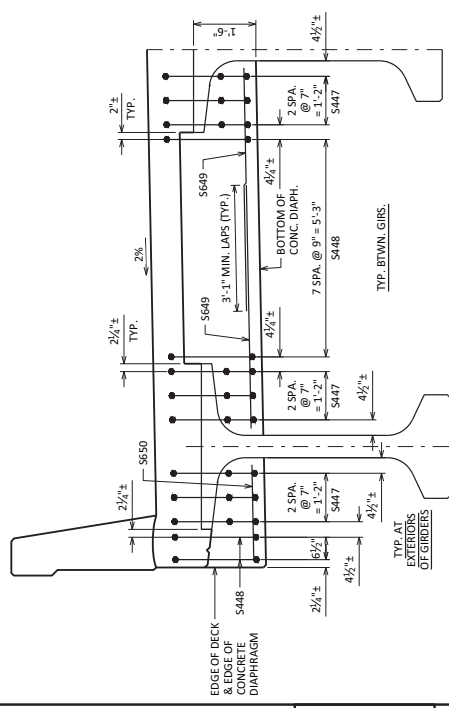
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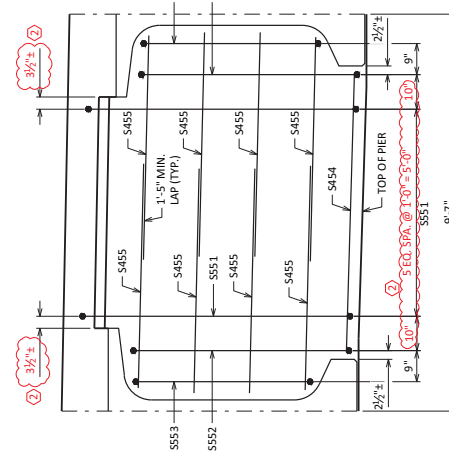


**CROSS SECTION THRU BRIDGE LOOKING SOUTH**

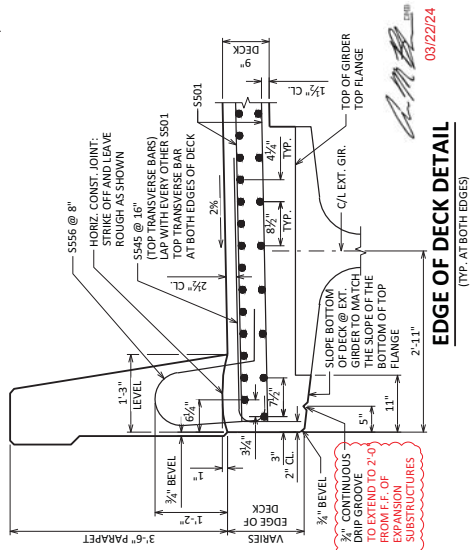
**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 743**  
**March 27, 2024**



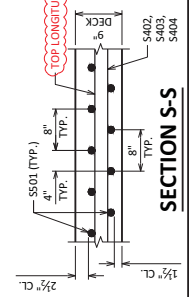
**TYPICAL CONCRETE DIAPHRAGM DETAIL AT BOTH ABUTMENTS AND AT PIERS 3, 6 & 9**



**TYPICAL CONCRETE DIAPHRAGM DETAIL BETWEEN GIRDERS AT PIERS 1, 2, 4, 5, 7, 8, 10, 11, 12**



**EDGE OF DECK DETAIL (TYP. AT BOTH EDGES)**



**SECTION S-S**

STATE PROJECT NUMBER  
**1010-10-82**

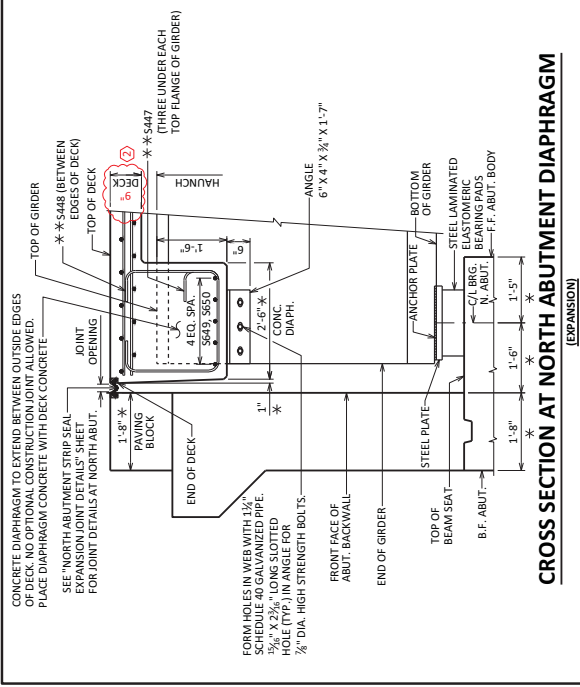
NO.	DATE	REVISION	BY
2	03/22/24	DIMENSIONS, NOTES & REBAR	JPH

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
STRUCTURE	B-11-183
DESIGNED BY	ROSWIN JPH ECKD
CHECKED BY	JLR
SHEET 74	

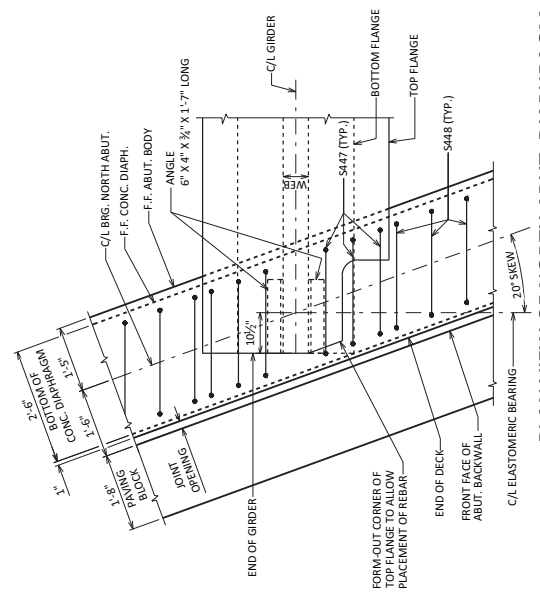
SUPERSTRUCTURE	743
CROSS SECTIONS	

STATE PROJECT NUMBER  
**1010-10-82**

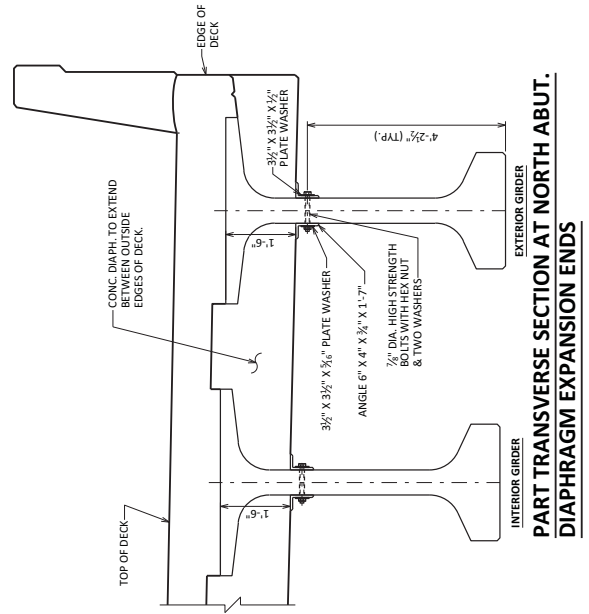
**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 744**  
**March 27, 2024**



**CROSS SECTION AT NORTH ABUTMENT DIAPHRAGM (EXPANSION)**



**PLAN VIEW OF NORTH ABUT. DIAPHRAGM**

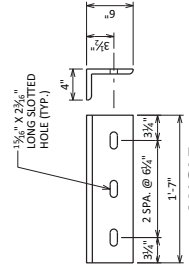


**PART TRANSVERSE SECTION AT NORTH ABUT. DIAPHRAGM EXPANSION ENDS**

- \* DIMENSION IS PERPENDICULAR TO C/L SUBSTRUCTURE UNITS.
- \*\* DIMENSION IS TAKEN PARALLEL TO C/L GIRDERS. BARS PLACED PARALLEL TO C/L GIRDERS AND SPACED PERPENDICULAR TO C/L GIRDERS.

**NOTES**

- ALL DIAPHRAGM SUPPORT HARDWARE SHALL BE INCIDENTAL TO "CONCRETE MASONRY BRIDGES".
- DIAPHRAGM SUPPORT ANGLES SHALL BE ASTM A709 GRADE 36. WASHERS SHALL BE GALVANIZED AFTER FABRICATION.
- STEEL DIAPHRAGM SUPPORT ANGLE TO CONCRETE WEB CONNECTION SHALL BE 5/8\"/>



PROVIDE 3/4\"/>

8  
03/22/24

NO.	DATE	REVISION	BY
3/21/24		DECK THICKNESS	JPH

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE **B-11-183**

DESIGNED BY **JLR**  
CHECKED BY **JPH**

SHEET 75  
**744**

SCALE = 2.67

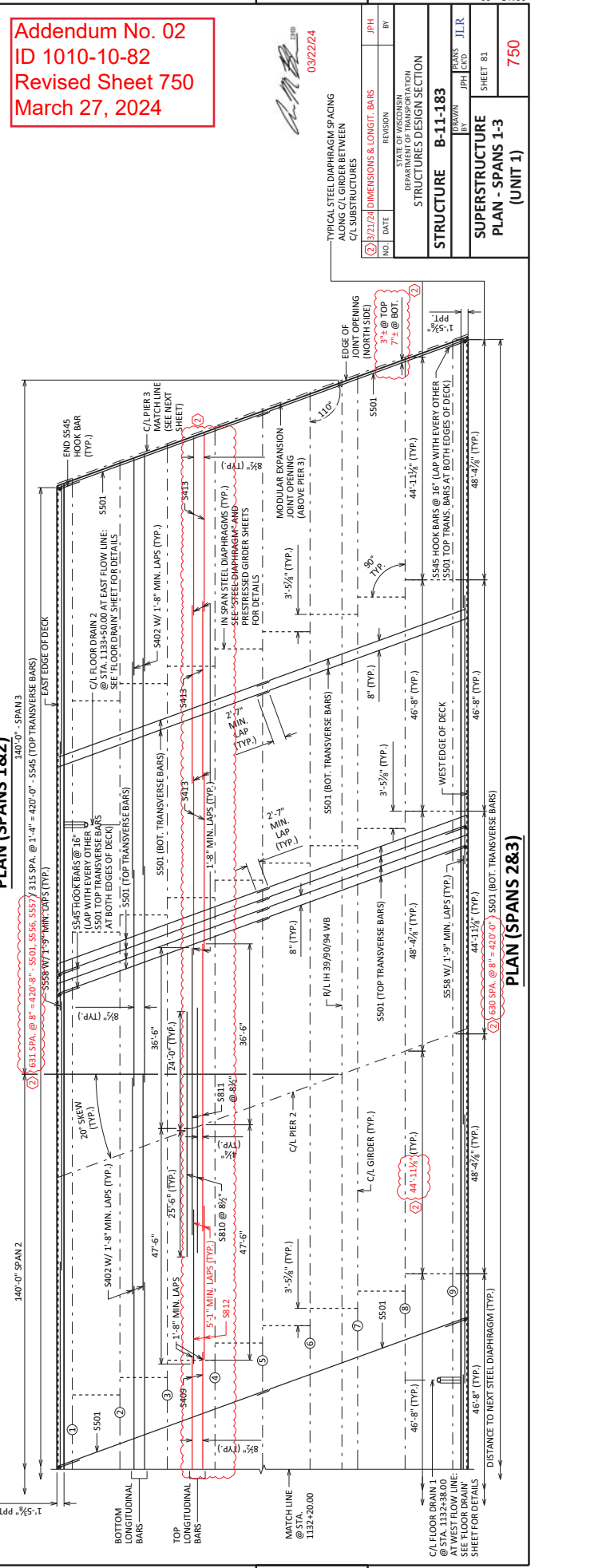
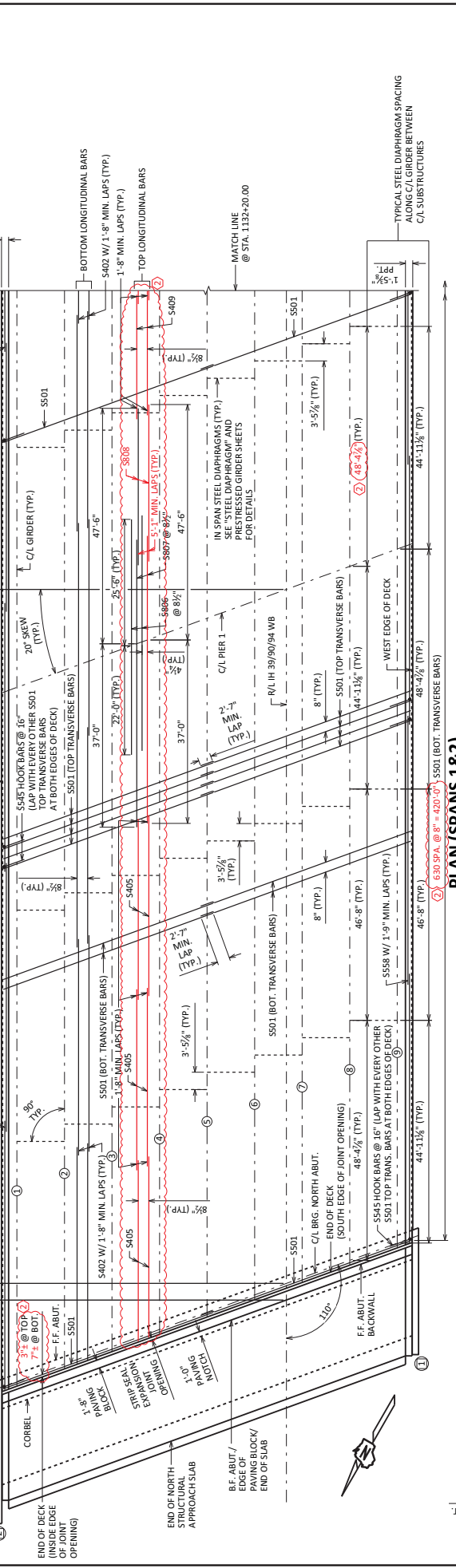
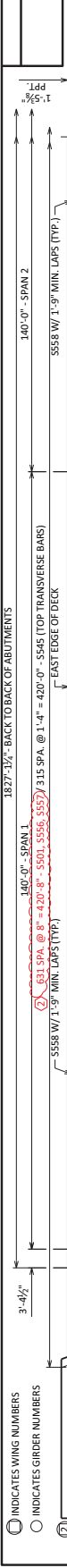












**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 750**  
**March 27, 2024**

03/22/24

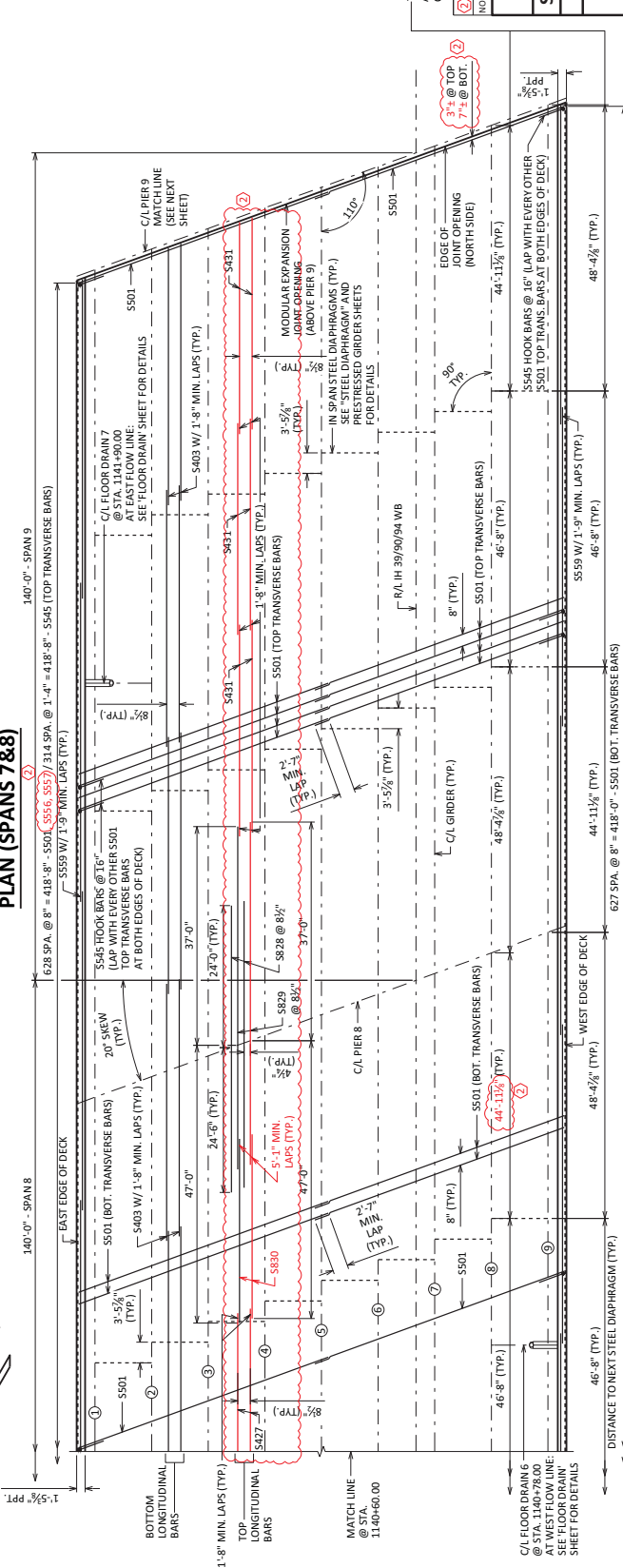
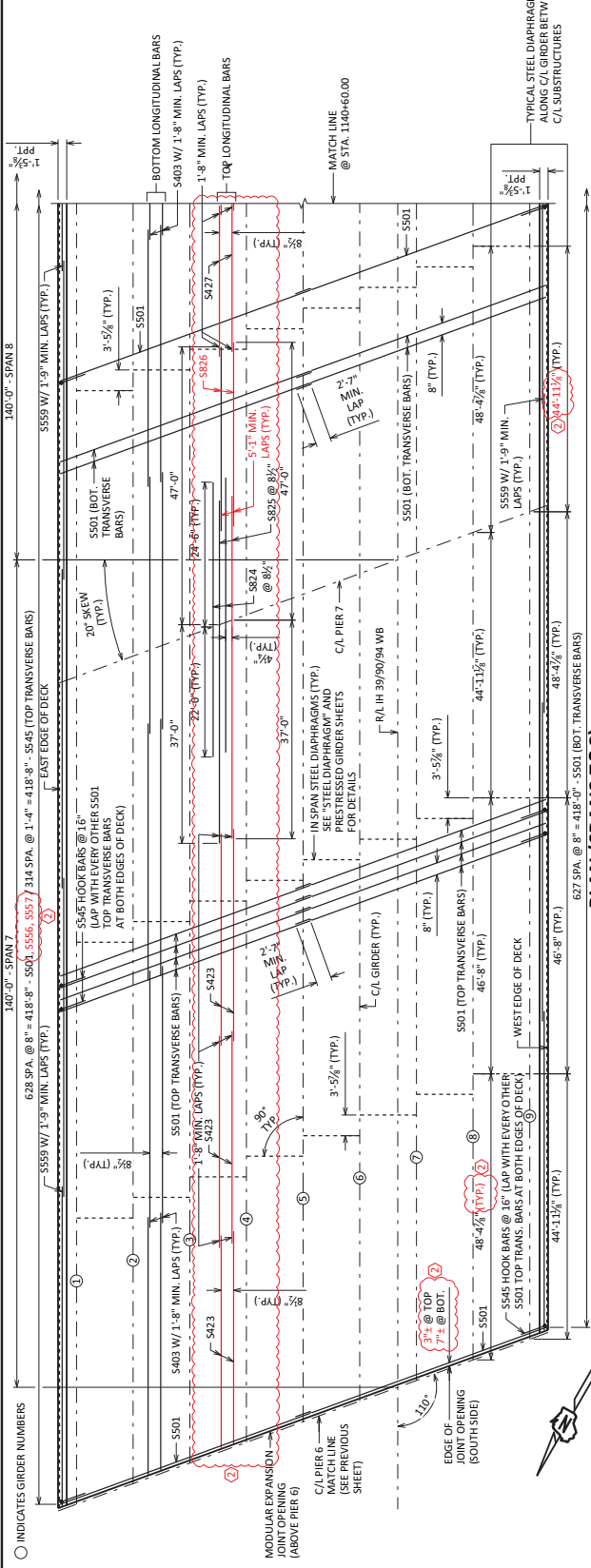
TYPICAL STEEL DIAPHRAGM SPACING ALONG C/L GIRDERS BETWEEN C/L SUBSTRUCTURES	
NO.	REVISION
②	② 3/21/24 DIMENSIONS & LONGIT. BARS
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION	
STRUCTURE	B-11-183
DESIGNED BY	PHL
CHECKED BY	JLR
SUPERSTRUCTURE PLAN - SPANS 1-3 (UNIT 1)	
SHEET	81
SCALE	750





**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 752**  
**March 27, 2024**

STATE PROJECT NUMBER  
**1010-10-82**



8

8

03/22/24  
*[Signature]*

NO.	DATE	REVISION	BY
2	3/21/24	DIMENSIONS & LONGIT. BARS	JPH

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION  
 STRUCTURES DESIGN SECTION

STRUCTURE **B-11-183**

SUPERSTRUCTURE  
 PLAN - SPANS 7-9  
 (UNIT 3)

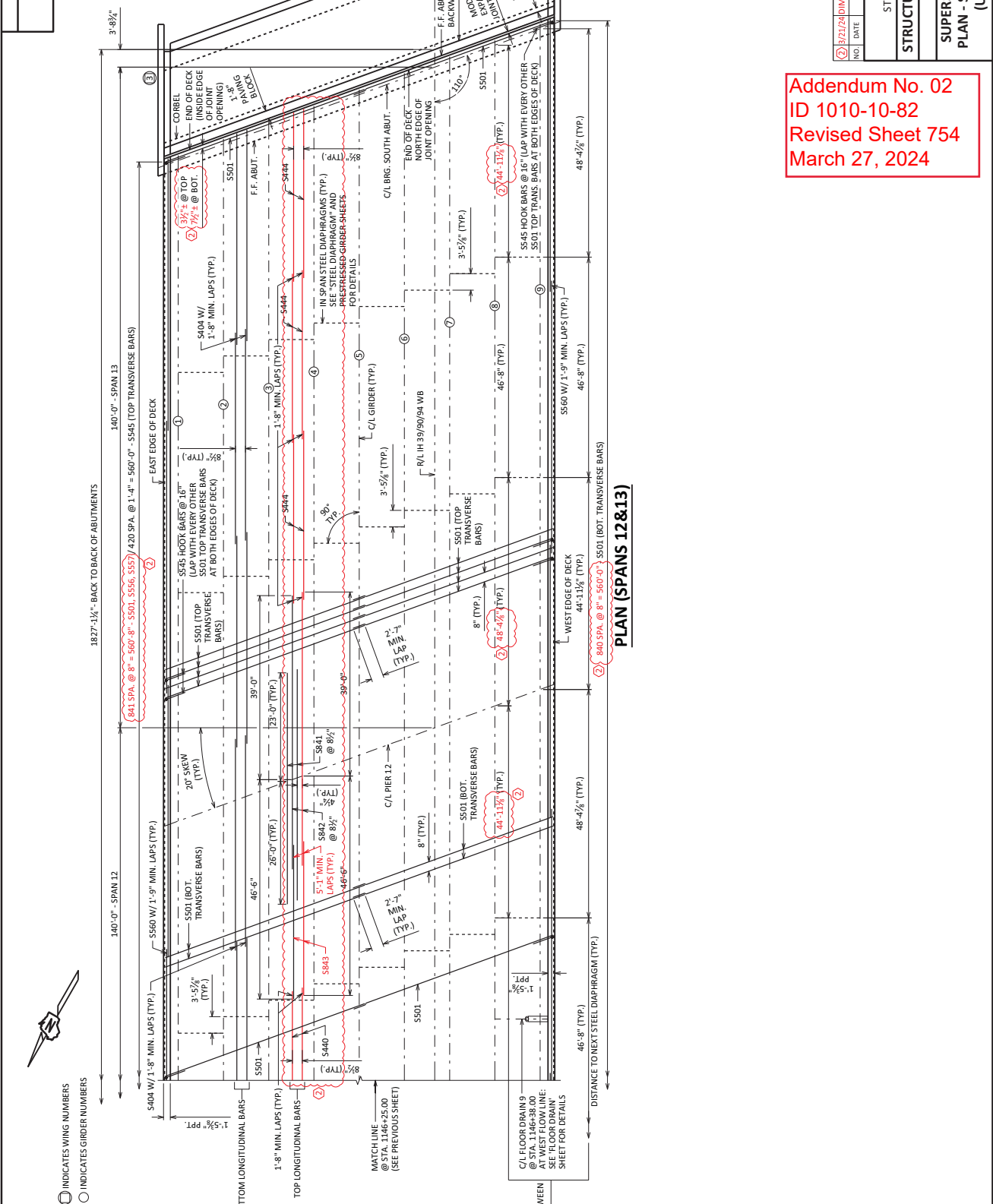
SHEET 83

752

SCALE = 20



STATE PROJECT NUMBER  
1010-10-82



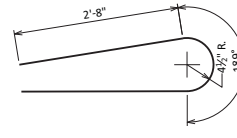
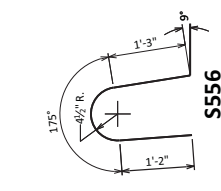
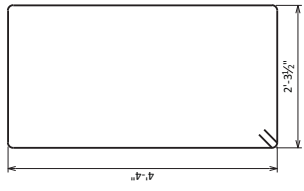
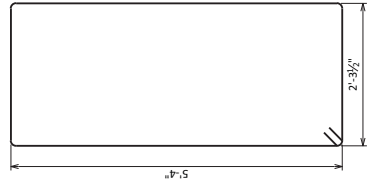
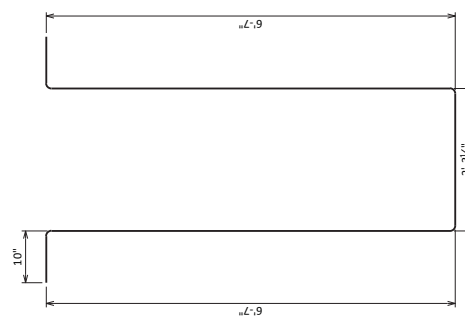
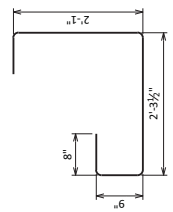
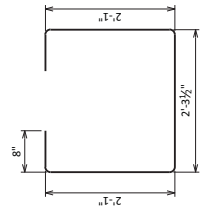
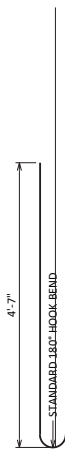
Addendum No. 02  
ID 1010-10-82  
Revised Sheet 754  
March 27, 2024

2	3/21/24	DIMENSIONS & LONGIT. BARS	JPH	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION				
STRUCTURE B-11-183				
SUPERSTRUCTURE PLAN - SPANS 12-13 (UNIT 4)				
SHEET 85				754

**BILL OF BARS**

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

UNIT	ALL	1	2	3	4
DECK TOP & BOTTOM HORIZONTAL TRANSVERSE END TO END	5501 X 10920 45'-11"				
DECK BOT. HORIZ. LONGITUDINAL AT SPANS 1-3	5402 X 1170 43'-8"				
DECK BOT. HORIZ. LONGIT. AT SPANS 4-9	5403 X 2340 43'-6"				
DECK BOT. HORIZ. LONGIT. AT SPANS 10-13	5404 X 1521 44'-10"				
DECK TOP HORIZ. LONGIT. AT SPAN 1	5405 X 348 36'-6"				
DECK TOP HORIZ. LONGIT. OVER PIER 1	5806 X 115 47'-6"				
DECK TOP HORIZ. LONGIT. OVER PIER 1	5807 X 116 58'-0"				
DECK TOP HORIZ. LONGIT. AT PIER 1 / SPAN 2	5808 X 116 31'-8"				
DECK TOP HORIZ. LONGIT. AT SPAN 2	5409 X 232 26'-5 1/2"				
DECK TOP HORIZ. LONGIT. OVER PIER 2	5810 X 115 49'-6"				
DECK TOP HORIZ. LONGIT. OVER PIER 2	5811 X 116 58'-0"				
DECK TOP HORIZ. LONGIT. AT PIER 2 / SPAN 2	5812 X 116 31'-2"				
DECK TOP HORIZ. LONGIT. AT SPAN 3	5413 X 348 36'-0"				
DECK TOP HORIZ. LONGIT. AT SPAN 4	5414 X 348 35'-11"				
DECK TOP HORIZ. LONGIT. OVER PIER 4	5815 X 115 46'-6"				
DECK TOP HORIZ. LONGIT. OVER PIER 4	5816 X 116 58'-0"				
DECK TOP HORIZ. LONGIT. AT PIER 4 / SPAN 5	5817 X 116 31'-2"				
DECK TOP HORIZ. LONGIT. AT SPAN 5	5418 X 232 25'-7"				
DECK TOP HORIZ. LONGIT. OVER PIER 5	5819 X 115 48'-6"				
DECK TOP HORIZ. LONGIT. OVER PIER 5	5820 X 116 58'-0"				
DECK TOP HORIZ. LONGIT. AT PIER 5 / SPAN 5	5821 X 116 31'-2"				
DECK TOP HORIZ. LONGIT. AT SPAN 6	5422 X 348 35'-11"				
DECK TOP HORIZ. LONGIT. AT SPAN 7	5423 X 348 35'-11"				
DECK TOP HORIZ. LONGIT. OVER PIER 7	5824 X 115 46'-6"				
DECK TOP HORIZ. LONGIT. OVER PIER 7	5825 X 116 58'-0"				
DECK TOP HORIZ. LONGIT. AT PIER 7 / SPAN 8	5826 X 116 31'-2"				
DECK TOP HORIZ. LONGIT. AT SPAN 8	5427 X 232 25'-7"				
DECK TOP HORIZ. LONGIT. OVER PIER 8	5828 X 115 48'-6"				
DECK TOP HORIZ. LONGIT. OVER PIER 8	5829 X 116 58'-0"				
DECK TOP HORIZ. LONGIT. AT PIER 8 / SPAN 8	5830 X 116 31'-2"				
DECK TOP HORIZ. LONGIT. AT SPAN 9	5431 X 348 35'-10"				
DECK TOP HORIZ. LONGIT. AT SPAN 10	5432 X 348 36'-5 1/2"				
DECK TOP HORIZ. LONGIT. OVER PIER 10	5833 X 115 47'-6"				
DECK TOP HORIZ. LONGIT. OVER PIER 10	5834 X 116 58'-0"				
DECK TOP HORIZ. LONGIT. OVER PIER 10	5835 X 116 32'-2"				
DECK TOP HORIZ. LONGIT. AT PIER 10 / SPAN 11	5436 X 232 31'-7"				
DECK TOP HORIZ. LONGIT. OVER PIER 11	5837 X 115 38'-0"				
DECK TOP HORIZ. LONGIT. OVER PIER 11	5838 X 116 60'-0"				
DECK TOP HORIZ. LONGIT. AT PIER 11 / SPAN 12	5839 X 116 17'-8"				
DECK TOP HORIZ. LONGIT. AT SPAN 12	5440 X 232 31'-5 1/2"				
DECK TOP HORIZ. LONGIT. OVER PIER 12	5841 X 115 49'-0"				
DECK TOP HORIZ. LONGIT. OVER PIER 12	5842 X 116 58'-0"				
DECK TOP HORIZ. LONGIT. OVER PIER 12	5843 X 116 32'-8"				
DECK TOP HORIZ. LONGIT. AT SPAN 13	5444 X 348 35'-10"				
DECK TOP VERTICAL TRANSVERSE BOTH EDGES END TO END	5545 X 2734 5'-2"				
DECK TOP & BOT. HORIZ. LONGIT. AROUND DRAINS ONLY	5546 X 63 5'-0"				
NORTH & SOUTH ABUTMENTS AND PIERS 3, 6&9 DIAPHRAGMS/DECK VERT. UNDER GIRDER FLANGES	5447 X 432 6'-2"				
NORTH & SOUTH ABUTMENTS AND PIERS 3, 6&9 DIAPHRAGMS/DECK VERT. BTWN. EDGES OF DECK	5448 X 544 7'-6"				
NORTH & SOUTH ABUTMENTS AND PIERS 3, 6&9 DIAPHRAGMS BOT. HORIZ. BTWN. GIRDERS	5609 X 640 6'-3"				
NORTH & SOUTH ABUTMENTS AND PIERS 3, 6&9 DIAPHRAGMS BOT. HORIZ. AT EXTEND OF GHS.	5600 X 80 2'-5"				
PIERS 1, 2, 4, 5, 7, 8, 10, 11 & 12 DIAPHRAGMS/DECK VERT. BTWN. GIR. FLANGES	5551 X 432 16'-8"				
PIERS 1, 2, 4, 5, 7, 8, 10, 11 & 12 DIAPHRAGMS VERT. UNDER GIR. FLANGES STIRRUPS	5552 X 144 15'-11"				
PIERS 1, 2, 4, 5, 7, 8, 10, 11 & 12 DIAPHRAGMS VERT. UNDER GIR. FLANGES STIRRUPS	5553 X 144 13'-11"				
PIERS 1, 2, 4, 5, 7, 8, 10, 11 & 12 DIAPHRAGMS BOT. HORIZ. BOTH FACES BTWN. GIRDERS	5454 X 144 7'-2"				
PIERS 1, 2, 4, 5, 7, 8, 10, 11 & 12 DIAPHRAGMS BOT. BOTH FACES BTWN. GIRDERS	5455 X 1152 5'-5"				
DECK/PARAPETS VERT. TRANSVERSE END TO END	5556 X 5464 4'-5"				
PARAPETS VERT. TRANSVERSE END TO END	5557 X 5464 6'-8"				
PARAPETS HORIZ. LONGIT. BOTH FACES AT SPANS 1-3	5558 X 128 54'-3"				
PARAPETS HORIZ. LONGIT. BOTH FACES AT SPANS 4-9	5559 X 256 54'-0"				
PARAPETS HORIZ. LONGIT. BOTH FACES AT SPANS 10-13	5560 X 160 57'-9"				
NORTH ABUTMENT DIAPHRAGM/DECK HORIZ. TRANSVERSE BTWN. GIRDERS	5461 X 16 9'-10"				



Addendum No. 02  
ID 1010-10-82  
Revised Sheet 757  
March 27, 2024

8  
09/22/24

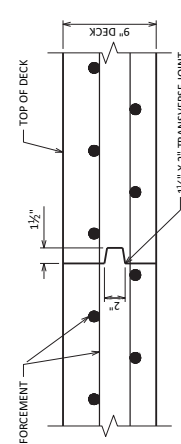
NO.	DATE	REVISION	BY
1	9/21/24	BILL OF BARS	JPH

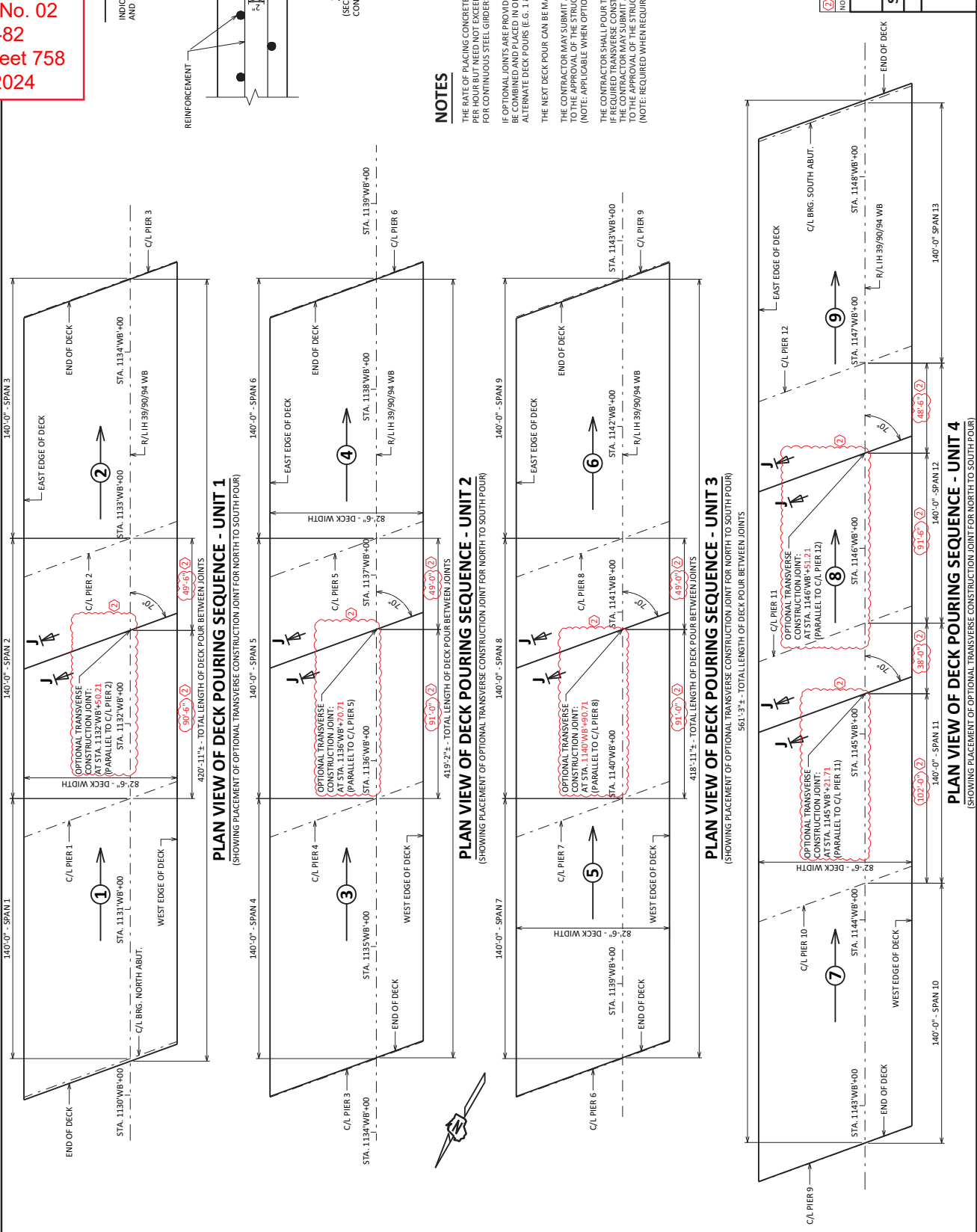
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION


STRUCTURE B-11-183  
DESIGNED BY: JPH  
CHECKED BY: JLR

SUPERSTRUCTURE BAR DETAILS	SHEET 88
757	

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 758**  
**March 27, 2024**

STATE PROJECT NUMBER <b>1010-10-82</b>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">1</div> <div style="font-size: 8px; line-height: 1;">INDICATES POUR NUMBER AND DIRECTION OF POUR</div> </div>
	
<p><b>NOTES</b></p> <p>THE RATE OF PLACING CONCRETE SHALL EQUAL OR EXCEED 172 SPAN LENGTH PER HOUR BUT NEED NOT EXCEED 100 CU. YDS. PER HOUR. (REQUIRED ONLY FOR CONTINUOUS STEEL GIRDERS).</p> <p>IF OPTIONAL JOINTS ARE PROVIDED, TWO OR MORE SEQUENTIAL POURS MAY BE COMBINED AND PLACED IN ONE CONTINUOUS OPERATION. TWO OR MORE ALTERNATE DECK POURS (E.G. 1 &amp; 3) MAY BE PLACED ON THE SAME DAY.</p> <p>THE NEXT DECK POUR NO. LESS THAN 72 HOURS AFTER THE PREVIOUS POUR.</p> <p>THE CONTRACTOR MAY SUBMIT AN ALTERNATE POURING SEQUENCE SUBJECT TO THE APPROVAL OF THE STRUCTURES DESIGNER SECTION.</p> <p>(NOTE: APPLICABLE WHEN OPTIONAL TRANSVERSE CONSTRUCTION JOINTS ARE SHOWN)</p> <p>THE CONTRACTOR SHALL POUR THE ENTIRE DECK PER THE DECK POUR SEQUENCE.</p> <p>IF REQUIRED TRANSVERSE CONSTRUCTION JOINTS ARE SHOWN ON THE PLANS, THE CONTRACTOR MAY SUBMIT AN ALTERNATE POURING SEQUENCE SUBJECT TO THE APPROVAL OF THE STRUCTURES DESIGNER SECTION.</p> <p>(NOTE: REQUIRED WHEN REQUIRED TRANSVERSE CONSTRUCTION JOINTS ARE SHOWN)</p>	



  
 03/22/24

NO.	DATE	CONST. JOINT LOCATIONS	REVISION	BY
2	3/21/24			JPH

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION  
 STRUCTURES DESIGN SECTION

**STRUCTURE B-11-183**

DESIGNED BY: JLR  
 DRAWN BY: JLR

**DECK POURING SEQUENCE**

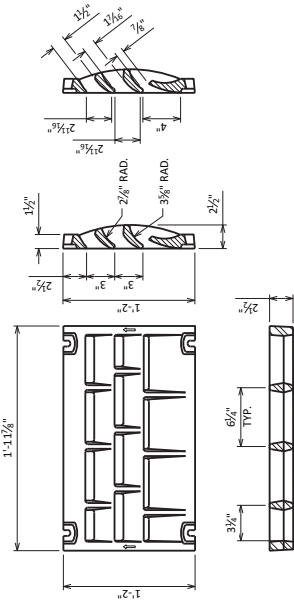
SHEET 89  
**758**

8

SCALE

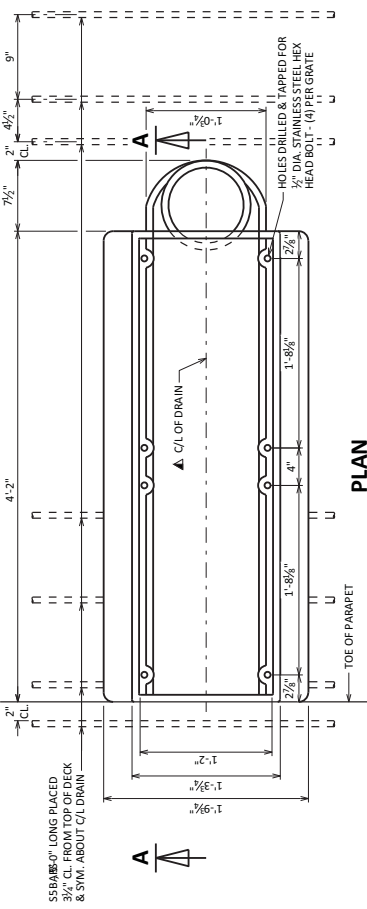
**NOTES**

- ALL MATERIAL FOR TYPE "WF" CASTING AND 8" DIA. CONNECTION PIPE, EXCLUDING GRATE HOLD DOWN SCREWS, SHALL BE GRAY IRON CONFORMING TO ASTM A48, CLASS 30.
- MATERIAL FOR BRACKETS SHALL CONFORM TO ASTM A36.
- ALTERNATE BRACKETS ARE NOT ALLOWED.
- ALL MATERIAL FOR FLOOR DRAINS TO BE INCLUDED IN THE BID ITEM "FLOOR DRAINS TYPE WF".
- ALL MATERIAL FOR DOWNSPOUTS, DOWNSPOUT CONNECTIONS, AND BRACKETS TO BE INCLUDED IN THE BID ITEM "DOWNSPOUT BRACKET".
- 8" DIA. DOWNSPOUTS SHALL BE REINFORCED THERMOSETTING RESIN PIPE (RTRP).
- TRANSVERSE & LONGITUDINAL DECK BAR REINFORCEMENT TO BE CUT A MAXIMUM OF 1" CLEAR FROM DRAIN FRAME. DISPLACE BARS WHERE POSSIBLE.



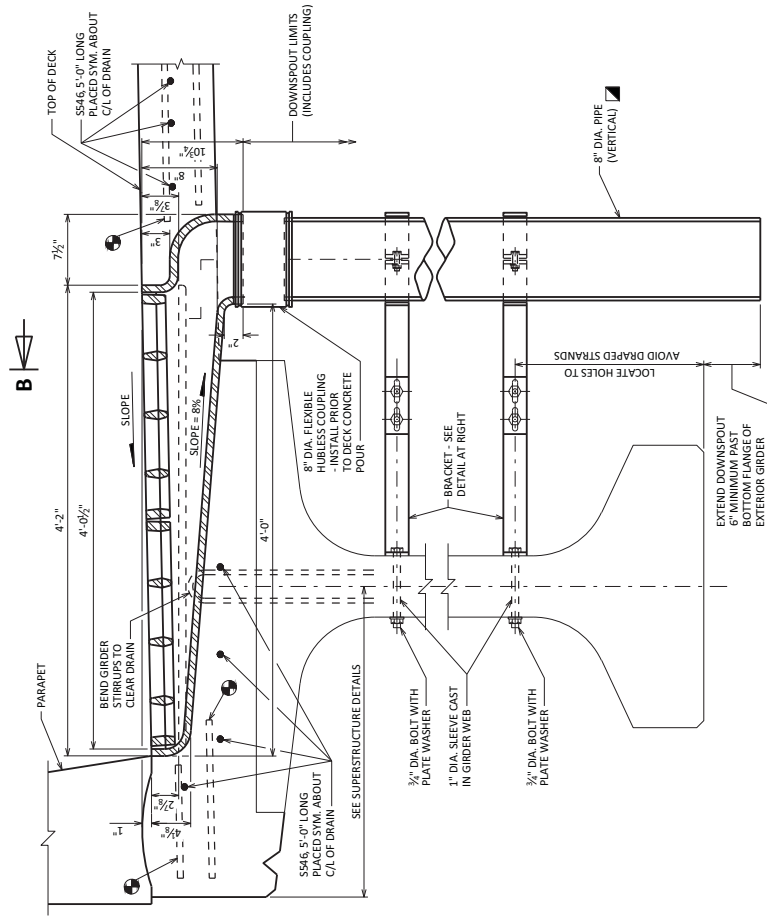
**GRATE CASTING DETAILS**

ATTACH GRATES TO FRAME FOR SHIPMENT

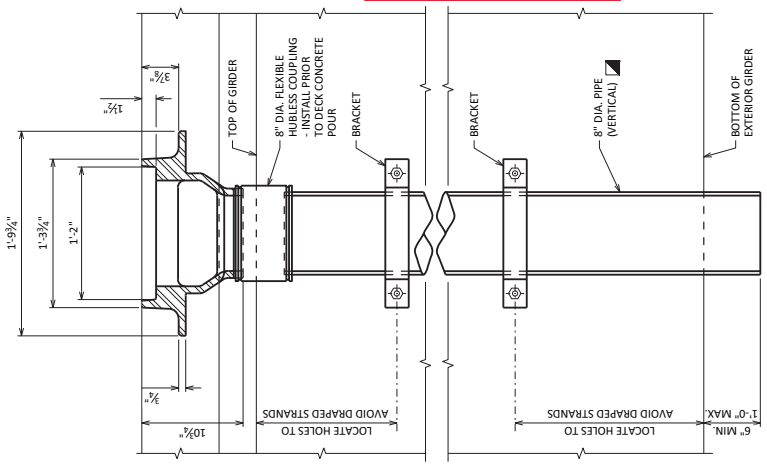


**PLAN**

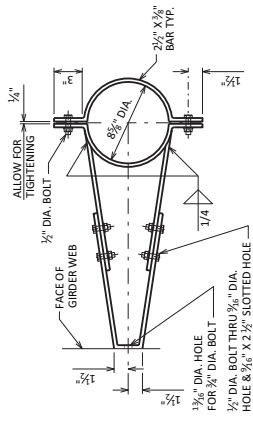
SEE SUPERSTRUCTURE PLAN SHEETS FOR FLOOR DRAIN LOCATIONS.



**SECTION A-A**



**SECTION B-B**



**BRACKET DETAIL**

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 759  
March 27, 2024

**FLOOR DRAIN LOCATIONS**

DRAIN#	STATION	SPAN	DECK EDGE
1	1132+38.00	2	WEST
2	1133+50.00	3	EAST
3	1135+18.00	4	WEST
4	1137+70.00	6	EAST
5	1137+98.00	6	WEST
6	1140+78.00	8	WEST
7	1141+90.00	9	EAST
8	1143+58.00	10	WEST
9	1146+38.00	12	WEST

21/24 FLOOR DRAIN LOCATIONS TABLE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE **B-11-183**

DRAWN BY **JLR**  
CHECKED BY **JLR**

FLOOR DRAIN  
TYPE "WF"

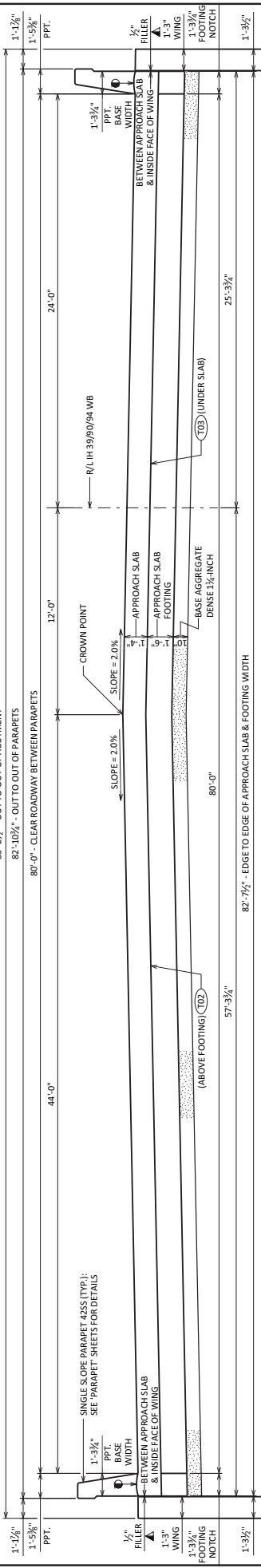
SHEET 90  
**759**

03/22/24

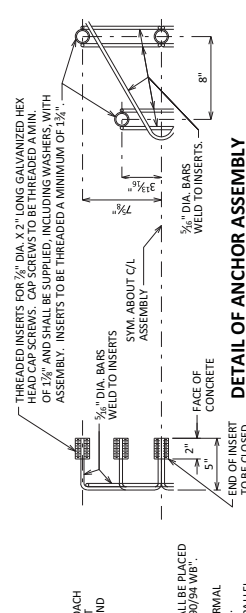








**CROSS SECTION THRU APPROACH SLABS LOOKING SOUTH**  
(REINFORCEMENT NOT SHOWN)



**DETAIL OF ANCHOR ASSEMBLY**  
NOTE: USE HELIX CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH **309.23.2**  
ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

**NOTES:**  
▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2\"/>

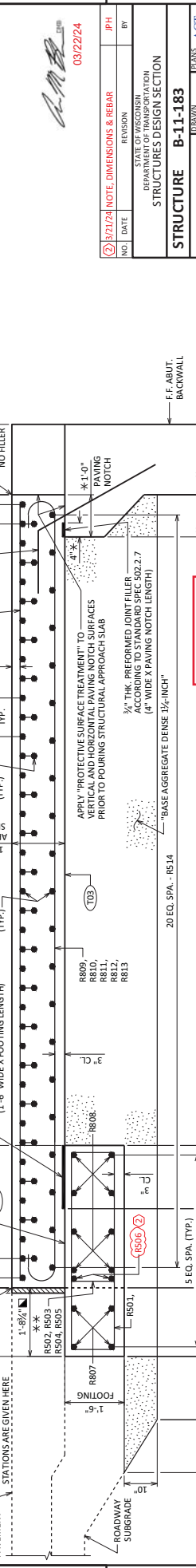
◆ INCLUDES 1 1/2\"/>

● HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03\"/>

(T03) PLACE MULTIPLE LAYERS (0.03\"/>

**SECTION B-B (EDGE OF SLAB DETAIL)**



Addendum No. 02  
ID 1010-10-82  
Revised Sheet 761  
March 27, 2024

**SECTION A-A THRU APPROACH SLABS**  
NORTH APPROACH SLAB SHOWN / SOUTH APPROACH SLAB SIMILAR

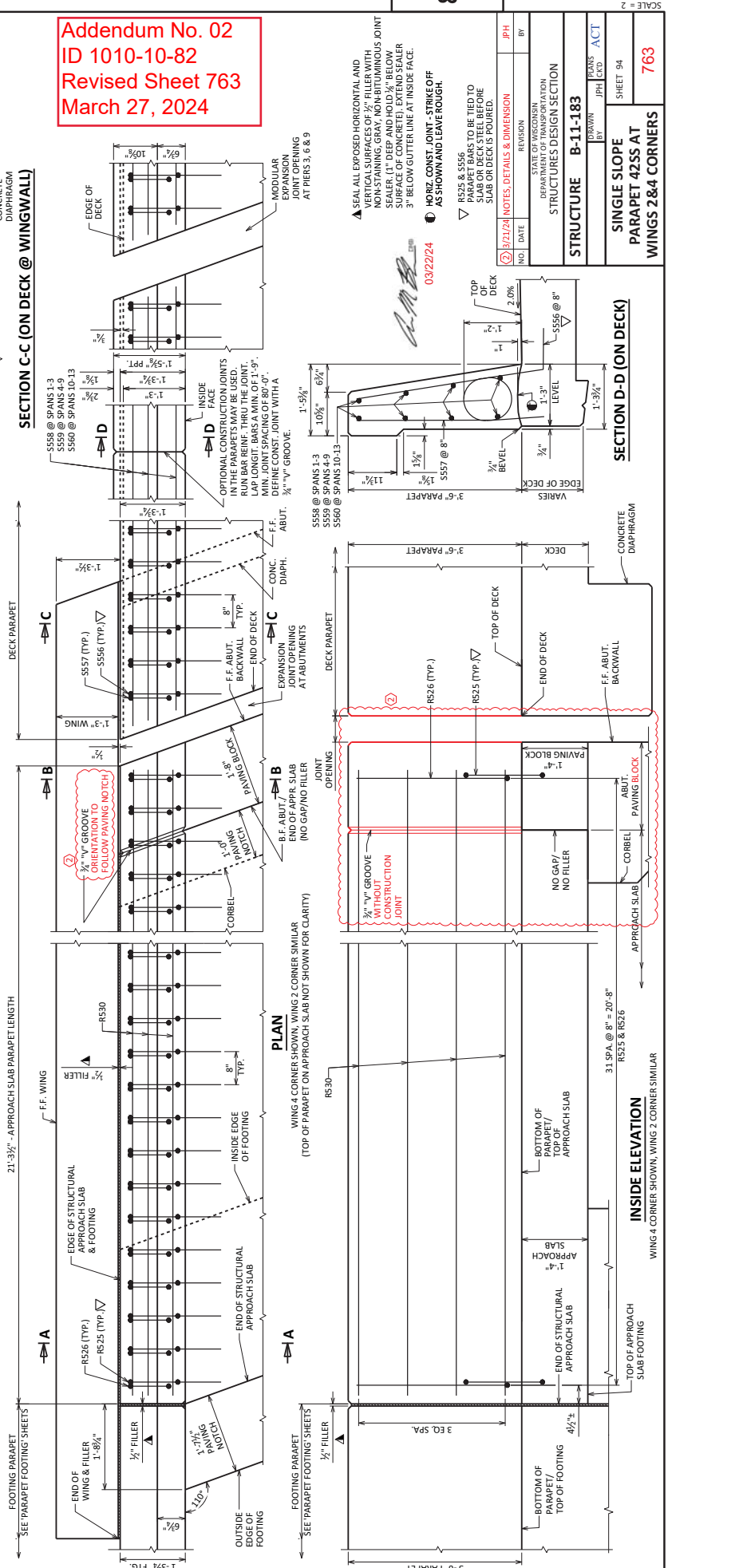
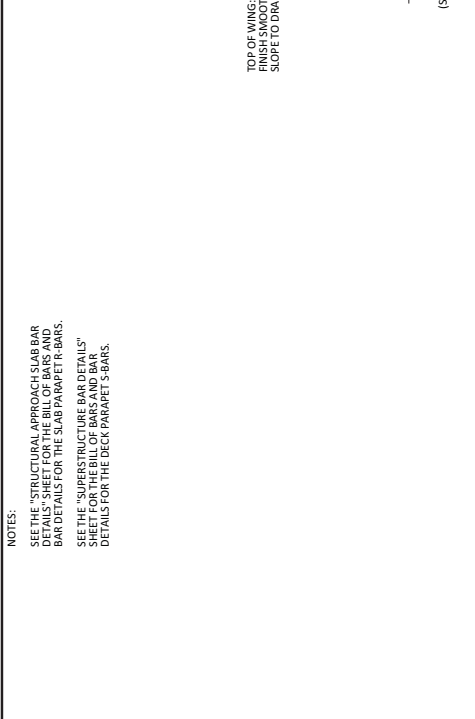
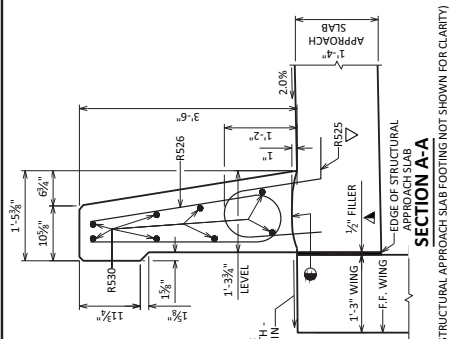
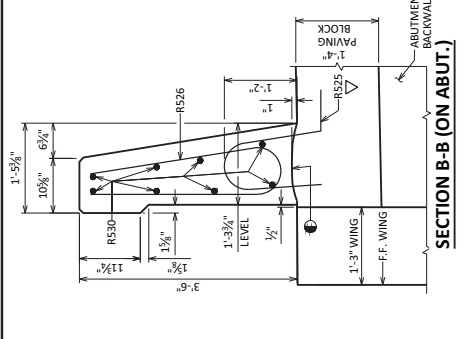
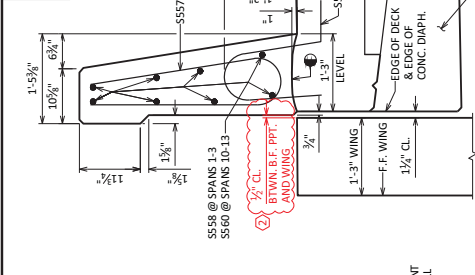


<b>DATE</b>	3/21/24	<b>REVISION</b>	PH	<b>BY</b>	
<b>STRUCTURES DESIGN SECTION</b>					
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION					
<b>STRUCTURE B-11-183</b>					
DESIGNED BY: <b>ROSWIN</b> CHECKED BY: <b>ACT</b>					
DRAWN BY: <b>JPH</b> EXCD BY: <b>ACT</b>					
SHEET 92					
<b>STRUCTURAL APPROACH SLAB CROSS SECTIONS</b>					
<b>761</b>					



NOTES:  
 SEE THE "STRUCTURAL APPROACH SLAB BAR BARDTAILS" FOR THE SLAB PARAPET BARS.  
 SEE THE "SUPERSTRUCTURE BAR DETAILS" FOR THE DECK PARAPET BARS.

STATE PROJECT NUMBER  
**1010-10-82**



**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 763**  
**March 27, 2024**

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. IT DEEP AND HOLD 1/2" BELOW SURFACE OF FILLER.  
 3" BELOW GUTTER LINE AT INSIDE FACE.

HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

RS25 & RS56 PARAPET BARS TO BE TIED TO SLAB OR DECK STEEL BEFORE SLAB OR DECK IS POURING.

NO.	DATE	REVISION	BY
2	3/21/24	NOTES, DETAILS & DIMENSION	JPH

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION  
 STRUCTURES DESIGN SECTION

STRUCTURE **B-11-183**

DESIGNED BY: **RSW/STW**  
 CHECKED BY: **JPH**  
 ACTED BY: **ACT**

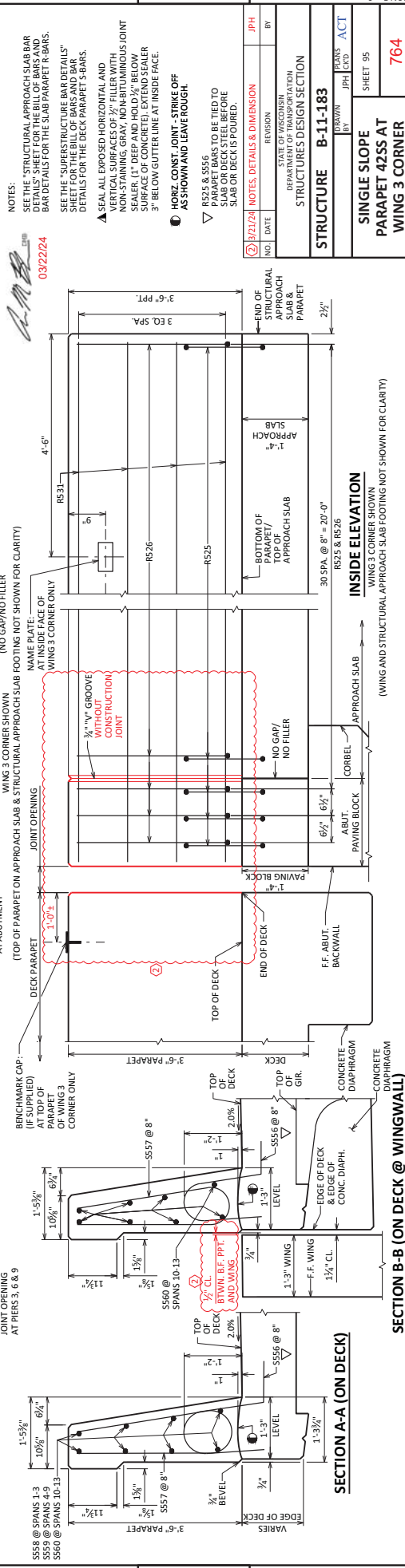
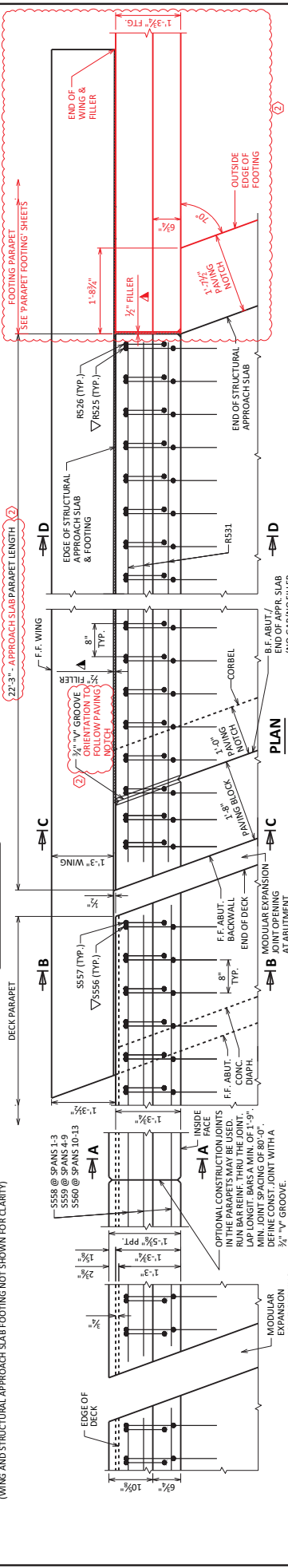
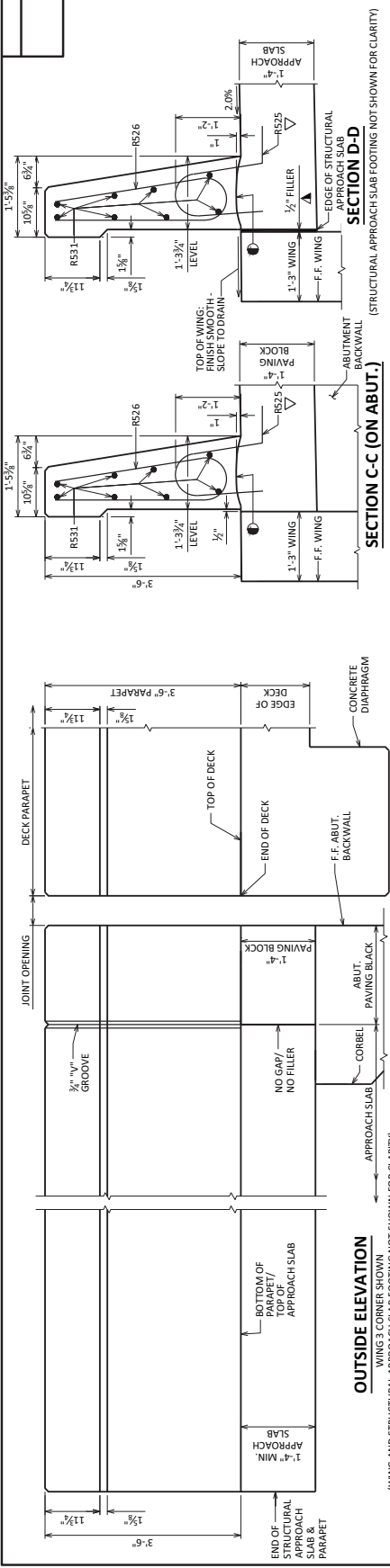
SHEET 94

**763**

SINGLE SLOPE  
 PARAPET 4255 AT  
 WINGS 2&4 CORNERS

SCALE = 2

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 764**  
**March 27, 2024**



**NOTES:**  
 SEE THE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SLAB PARAPET R-BARS.  
 SEE THE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE DECK PARAPET R-BARS.  
 SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY, NON-BITUMINOUS JOINT SEALANT. FILLER AND FILLER BELOW SLAB SHALL BE COVERED WITH 3" MIN. GRANULAR FILLER.  
 3" BELOW GUTTER LINE AT INSIDE FACE.  
 HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.  
 RS25 & RS56 PARAPET BARS TO BE TIED TO SLAB OR DECK BELOW MORE SLAB OR DECK IS POURER.  
 03/22/24

NO.	DATE	REVISION	BY
03/22/24		PH	

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE **B-11-183**  
DESIGNED BY **PH**  
CHECKED BY **ACT**

SHEET 95  
**764**

**BILL OF BARS**

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

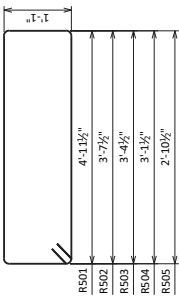
BAR MARK	NO. REQUIRED NORTH SOUTH	BAR LENGTH	LOCATION
R501	X 81	12'-9"	X FOOTING-VERTICAL-LONGITUDINAL-BETWEEN PARAPETS
R502	X 1	10'-1"	X FOOTING-VERTICAL-LONGITUDINAL-AT WINGS 1&3 CORNER ENDS ONLY
R503	X 1	9'-7"	X FOOTING-VERTICAL-LONGITUDINAL-AT WINGS 1&3 CORNER ENDS ONLY
R504	X 1	9'-1"	X FOOTING-VERTICAL-LONGITUDINAL-AT WINGS 2&4 CORNER ENDS ONLY
R505	X 1	8'-7"	X FOOTING-VERTICAL-LONGITUDINAL-AT WINGS 2&4 CORNER ENDS ONLY
R506	X 4	8'-2"	X FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT ENDS ONLY
R507	X 8	4'-5"	X FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT OUTSIDE EDGE
R508	X 16	4'-6"	X FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT INSIDE EDGE
R509	X 131	21'-6"	X SLAB-BOTTOM-VERTICAL-LONGITUDINAL-BETWEEN PARAPETS
R510	X 1	21'-11"	X SLAB-BOTTOM-VERTICAL-LONGITUDINAL-AT WINGS 1&3 CORNER ENDS ONLY
R511	X 1	21'-8"	X SLAB-BOTTOM-VERTICAL-LONGITUDINAL-AT WINGS 1&3 CORNER ENDS ONLY
R512	X 1	21'-4"	X SLAB-BOTTOM-VERTICAL-LONGITUDINAL-AT WINGS 2&4 CORNER ENDS ONLY
R513	X 1	21'-1"	X SLAB-BOTTOM-VERTICAL-LONGITUDINAL-AT WINGS 2&4 CORNER ENDS ONLY
R514	X 84	4'-5"	X SLAB-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
R515	X 40	4'-1"	X SLAB-TOP-VERTICAL-TRANSVERSE-AT BOTH EDGES
R516	X	---	X NOT USED
R517	X 81	19'-8"	X SLAB-TOP-HORIZONTAL-LONGITUDINAL-BETWEEN PARAPETS
R518	X 1	20'-0"	X SLAB-TOP-HORIZONTAL-LONGITUDINAL-AT WINGS 1&3 CORNER ENDS ONLY
R519	X 1	19'-3"	X SLAB-TOP-HORIZONTAL-LONGITUDINAL-AT WINGS 2&4 CORNER ENDS ONLY
R520	X 17	4'-4"	X PARAPET/SLAB-VERTICAL-TRANSVERSE-AT WING 1 PPT. END ONLY
R521	X 7	6'-2"	X PARAPET/SLAB-INSIDE FACE-VERTICAL-TRANSVERSE-AT WING 1 PPT. END ONLY
R522	X 12	2'-9"	X PARAPET/SLAB-OUTSIDE FACE-VERTICAL-TRANSVERSE-AT WING 1 PPT. END ONLY
R523	X 4	6'-5"	X PARAPET-VERTICAL-TRANSVERSE-AT WING 1 PPT. END ONLY
R524	X 6	6'-6"	X PARAPET-VERTICAL-TRANSVERSE-AT WING 1 PPT. END ONLY
R525	X 52	4'-5"	X PARAPETS/SUB-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R526	X 52	6'-8"	X PARAPETS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R527	X 5	21'-6"	X PARAPET-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT WING 1 PPT. END ONLY
R528	X 1	21'-4"	X PARAPET-BOT-INSIDE FACE-HORIZONTAL-LONGITUDINAL-AT WING 1 PPT. END ONLY
R529	X 2	21'-6"	X PARAPET-TOP-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT WING 1 PPT. END ONLY
R530	X 8	21'-0"	X PARAPETS-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT WINGS 2 & 4 PPT. ENDS ONLY
R531	X	21'-7"	X PARAPET-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT WING 3 PPT. END ONLY

▲ LENGTH SHOWN FOR BARS IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

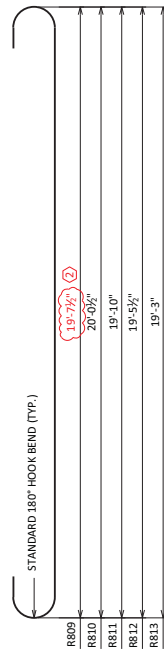
**BAR SERIES TABLE**

BAR MARK	NUMBER REQUIRED	TOTAL BAR LENGTH
R521	7	6'-2" (6'-2.3")

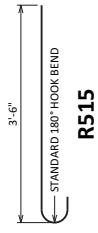
BUNDLE AND TAG EACH SERIES SEPARATELY.



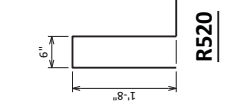
**R501 R502 R503 R504 R505**  
(STIRRUP BARS)



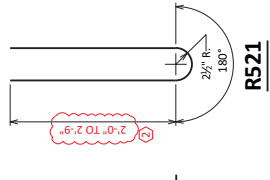
**R809 R810 R811 R812 R813**  
STANDARD 180° HOOK BEND (TYP.)



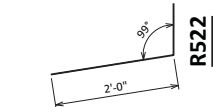
**R515**  
STANDARD 180° HOOK BEND



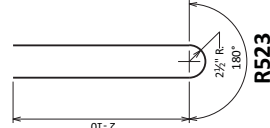
**R520**



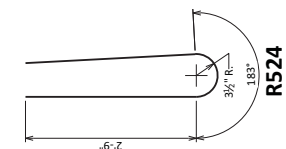
**R521**



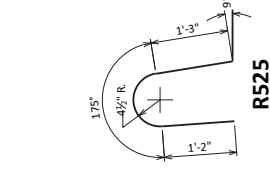
**R522**



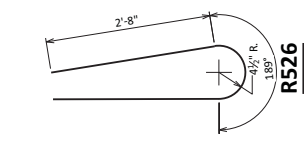
**R523**



**R524**



**R525**



**R526**

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 765  
March 27, 2024

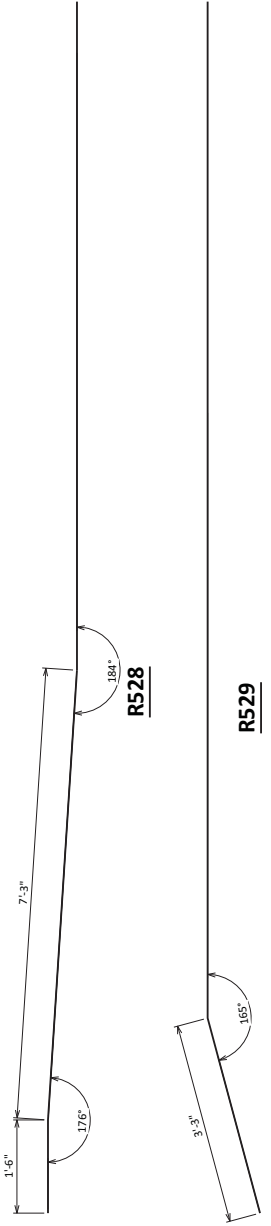
*[Signature]*  
03/22/24

3/21/24	BAR LENGTHS & DIMENSIONS	JPH	BY
NO.	DATE	REVISION	

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION  
**STRUCTURE B-11-183**

DESIGNED BY: JPH  
CHECKED BY: ACT  
SHEET 96  
**765**

STRUCTURAL  
APPROACH SLAB  
BAR DETAILS



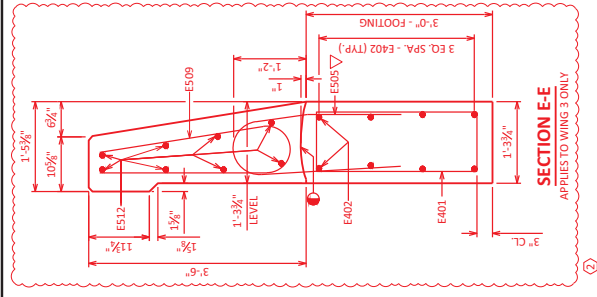
**R528**

**R529**

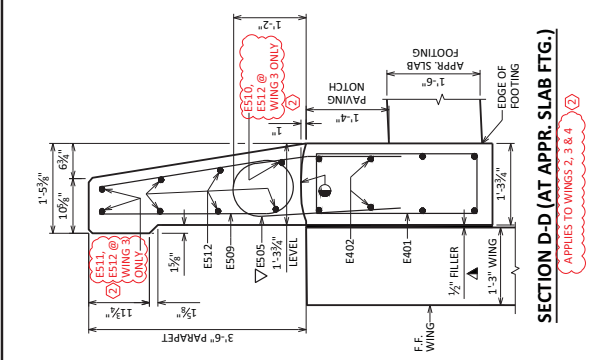
STATE PROJECT NUMBER  
**1010-10-82**

NOTES:  
 ① SEE THE "SINGLE SLOPE PARAPET 22'S EXTENSION ON FOOTINGS" SHEET FOR ADDITIONAL PARAPET DETAILS.  
 ② SEE THE "FOOTING & PARAPET BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE FOOTING & PARAPET E-BARS.  
 ALL BID ITEMS ON THIS SHEET SHALL BE INCLUDED WITH THE STRUCTURAL APPROACH SLAB'S QUANTITIES.

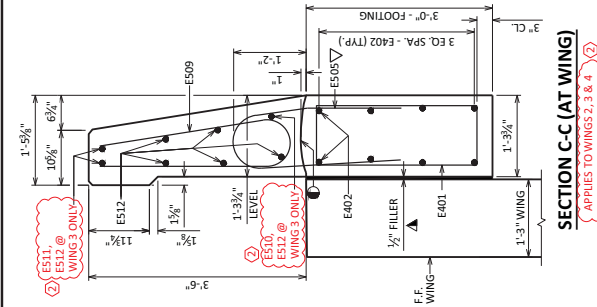
**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 766**  
**March 27, 2024**



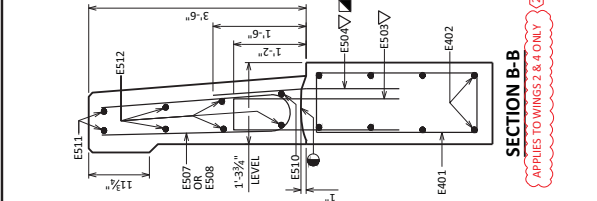
**SECTION E-E**  
 APPLIES TO WING 3 ONLY



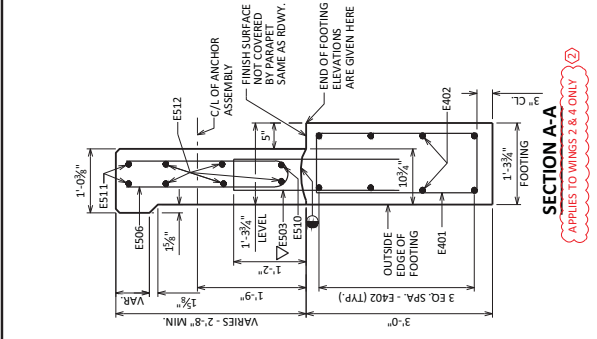
**SECTION D-D (AT APPR. SLAB FTG.)**  
 APPLIES TO WINGS 2, 3 & 4



**SECTION C-C (AT WING)**  
 APPLIES TO WINGS 2, 3 & 4

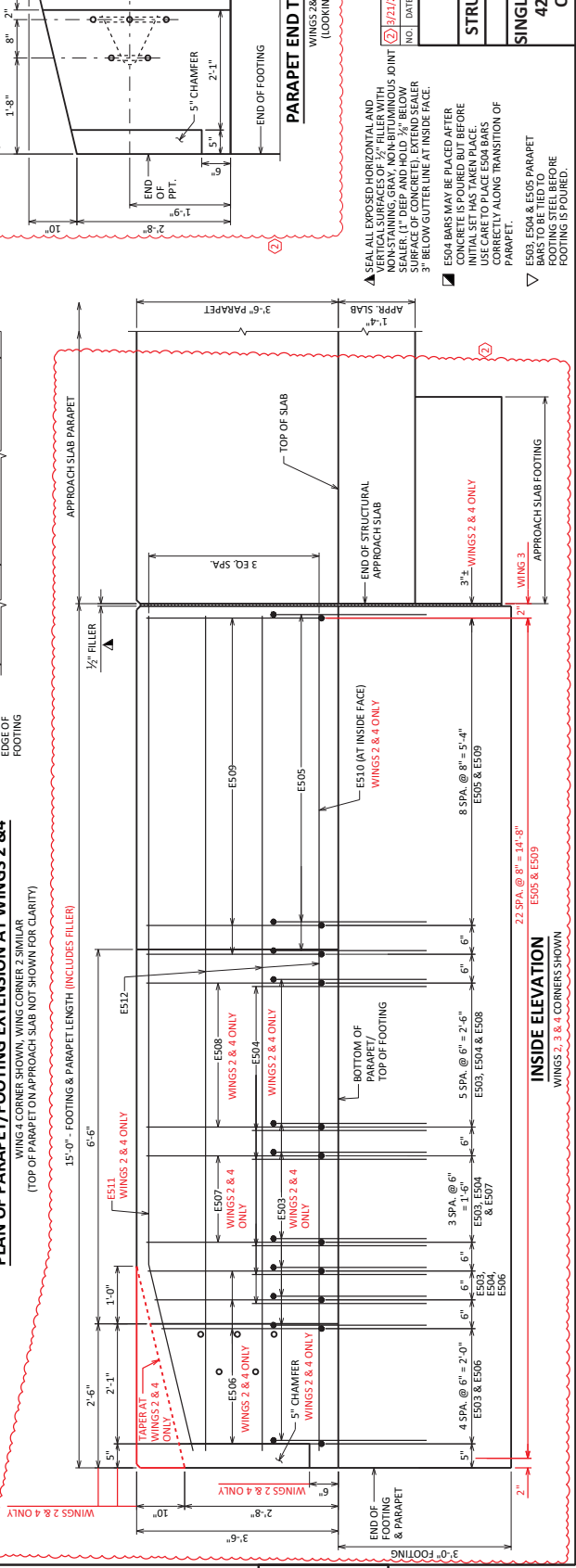
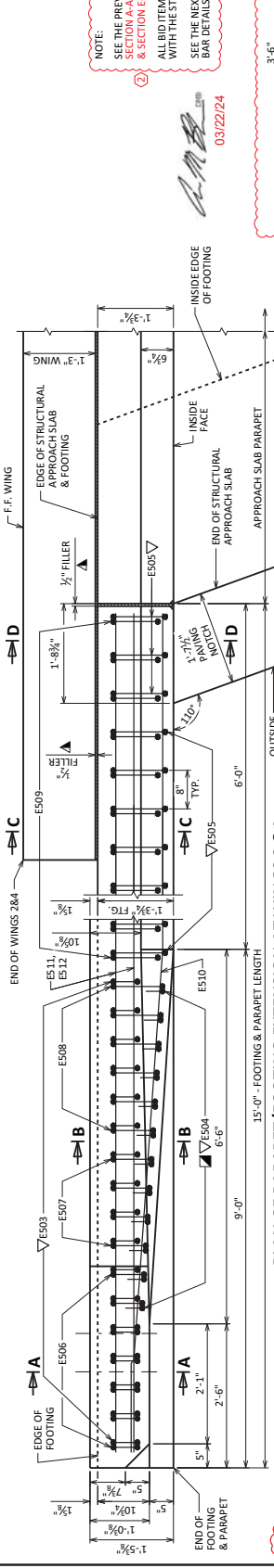
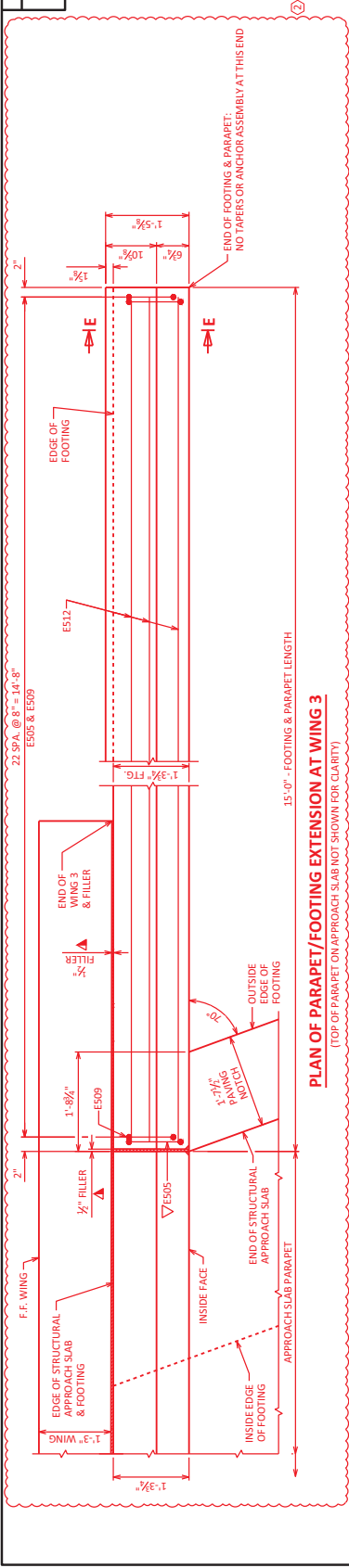


**SECTION B-B**  
 APPLIES TO WINGS 2 & 4 ONLY



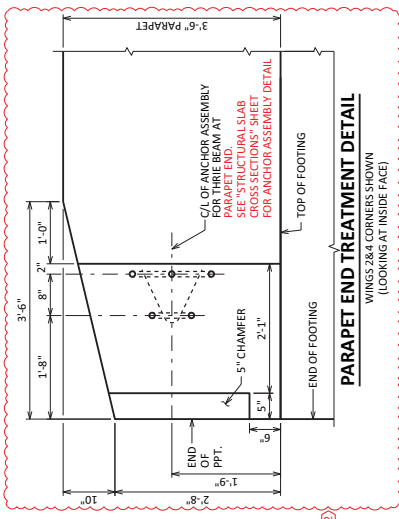


**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 767**  
**March 27, 2024**



**NOTE:**  
SEE THE PREVIOUS SHEET FOR SECTION THRU DETAILS SECTION A-A, SECTION B-B, SECTION C-C, SECTION D-D & SECTION E-E  
ALL BID ITEMS ON THIS SHEET SHALL BE INCLUDED WITH THE STRUCTURAL APPROACH SLAB'S QUANTITIES.  
SEE THE NEXT SHEET FOR THE BILL OF MATERIALS AND BAR DETAILS FOR THE FOOTING & PARAPET EASERS.

*[Signature]*  
03/22/24



SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY, NON-BITUMINOUS JOINT SEALANT. APPLY JOINT SEALANT TO ALL SURFACES OF CONCRETE EXPOSED TO WEATHER. 3" BELOW GUTTER LINE AT INSIDE FACE.

ES04 BARS MAY BE PLACED AFTER INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE ES04 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

ES03, ES04 & ES05 PARAPET BARS TO BE TIED TO FOOTING STEEL BEFORE FOOTING IS POURED.

NO.	DATE	BY	REVISION
2	3/21/24	JPH	ADD & UPDATED DETAILS

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE **B-11-183**  
DESIGNED BY **JPH**  
CHECKED BY **ACT**

**SINGLE SLOPE PARAPET 42SS EXTENSION ON FOOTINGS**

SHEET 98  
**767**



**BILL OF BARS**

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

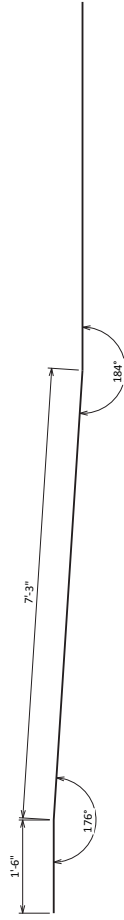
BAR MARK	NO. REQUIRED		LENGTH	BAR SERIES	LOCATION
	NORTH SLAB	SOUTH SLAB			
E401	X	16	32	7'-7"	X
E402	X	8	16	14'-7"	FOOTING-VERTICAL-TRANSVERSE-AT WINGS 2, 3 & 4 CORNERS ONLY
E503	X	17	17	5'-7"	FOOTING-HORIZONTAL-LONGITUDINAL-BOTH FACES-AT WINGS 2, 3 & 4 CORNERS ONLY
E504	X	12	12	3'-0"	FOOTING/PARAPET-INSIDE FACE-VERTICAL-TRANSVERSE-AT WINGS 2&4 CORNERS ONLY
E505	X	10	33	5'-10"	FOOTING/PARAPET-INSIDE FACE-VERTICAL-TRANSVERSE-AT WINGS 2&4 CORNERS ONLY
E506	X	7	7	5'-6"	FOOTING/PARAPET-INSIDE FACE-VERTICAL-TRANSVERSE-AT WINGS 2, 3 & 4 CORNERS ONLY
E507	X	4	4	6'-5"	PARAPET-UNDER PAPER-VERTICAL-TRANSVERSE ENDS ONLY-AT WINGS 2&4 CORNERS ONLY
E508	X	6	6	6'-6"	PARAPET-VERTICAL-TRANSVERSE-AT WINGS 2&4 CORNERS ONLY
E509	X	10	33	6'-8"	PARAPET-VERTICAL-TRANSVERSE-AT WINGS 2, 3 & 4 CORNERS ONLY
E510	X	1	1	14'-6"	PARAPET-BOTTOM-INSIDE FACE-HORIZONTAL-LONGITUDINAL-AT WINGS 2&4 CORNERS ONLY
E511	X	2	2	14'-7"	PARAPET-TOP-BOTH FACES-VERTICAL-LONGITUDINAL-AT WINGS 2&4 CORNERS ONLY
E512	X	5	13	14'-7"	PARAPET-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT WINGS 2, 3 & 4 CORNERS ONLY

▲ LENGTH SHOWN FOR BARS IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

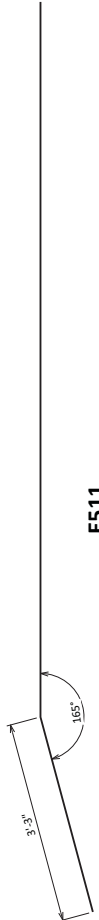
**BAR SERIES TABLE**

BAR MARK	NUMBER REQUIRED	TOTAL BAR LENGTH
E506	2 SERIES OF 7 BARS	4'-9" TO 6'-3"

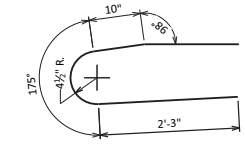
BUNDLE AND TAG EACH SERIES SEPARATELY.



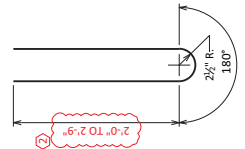
**E510**



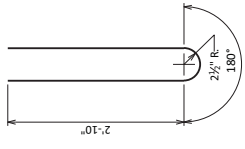
**E511**



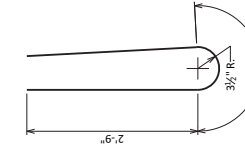
**E505**



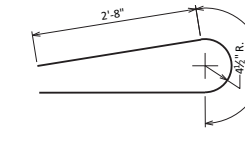
**E506**



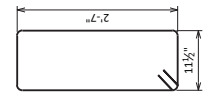
**E507**



**E508**



**E509**

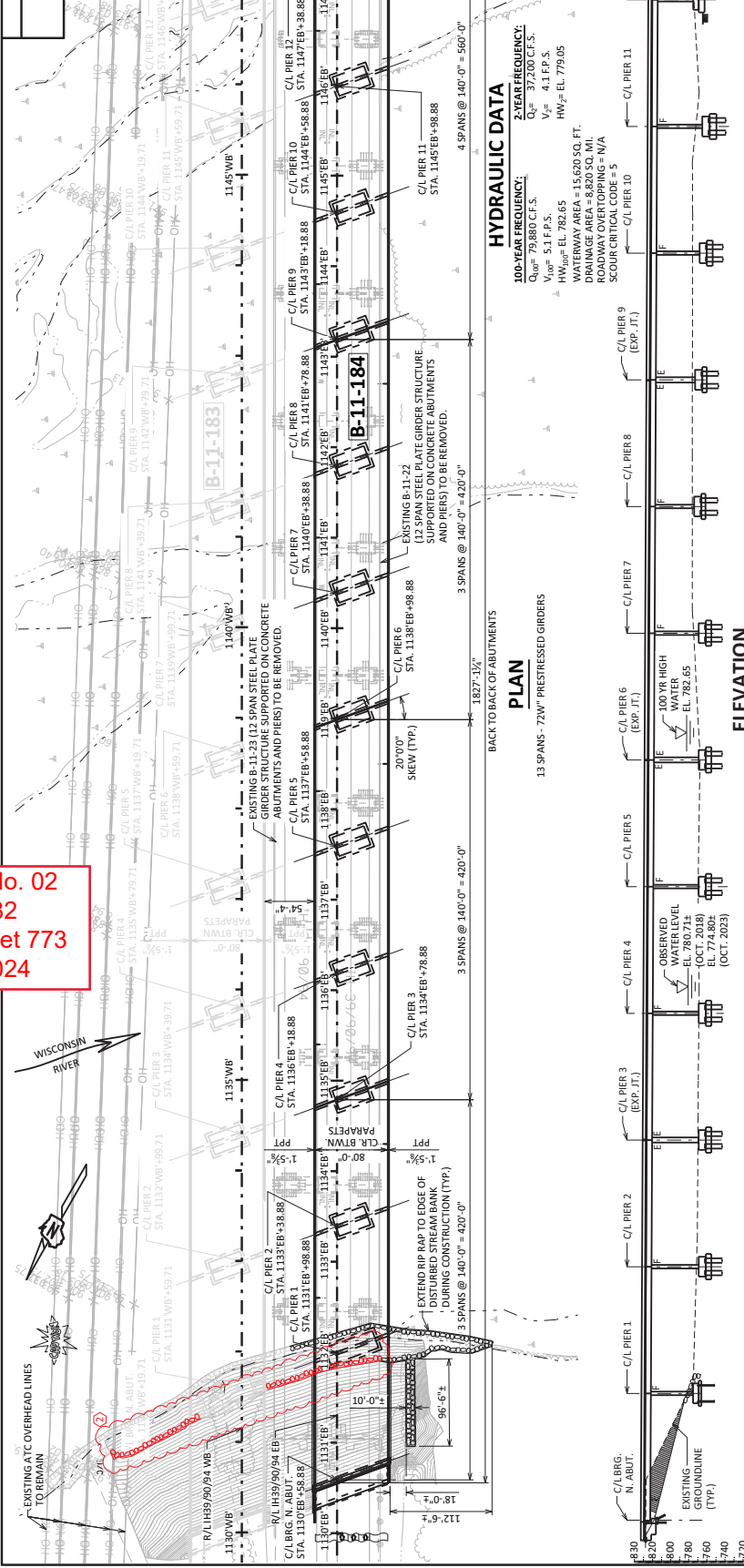


**E401**  
(STIRRUP BARS)

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 768  
March 27, 2024

3/21/24 BAR QUANTITY & LENGTHS JPH  
 NO. DATE REVISION BY  
 STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION  
 STRUCTURES DESIGN SECTION  
 STRUCTURE B-11-183  
 DRAWN BY JPH  
 CHECKED BY ACT  
 SHEET 99  
 FOOTING & PARAPET BAR DETAILS  
 768

STATE PROJECT NUMBER  
**1010-10-82**



**HYDRAULIC DATA**  
 100-YEAR FREQUENCY:  
 $Q_{100} = 79,880 \text{ C.F.S.}$   
 $Q_2 = 37,200 \text{ C.F.S.}$   
 $V_{100} = 5.1 \text{ F.P.S.}$   
 $V_2 = 4.1 \text{ F.P.S.}$   
 $HW_{100} = \text{EL. } 782.65$   
 $HW_2 = \text{EL. } 779.05$   
 WATERWAY AREA = 15,620 SQ. FT.  
 DRAINAGE AREA = 8,820 SQ. MI.  
 ROADWAY OVERTOPPING = N/A  
 SCOUR CRITICAL CODE = 5  
 4 SPANS @ 140'-0" = 560'-0"

**PLAN**  
 13 SPANS - 72" PRESTRESSED GIRDERS  
 BACK TO BACK OF ABUTMENTS  
 1827'-3/4"  
 3 SPANS @ 140'-0" = 420'-0"  
 20'-0" SKEW (TYP.)  
 EXISTING B-11-23 (12 SPAN STEEL PLATE GIRDER STRUCTURE SUPPORTED ON CONCRETE ABUTMENTS AND PIERS) TO BE REMOVED.  
 EXISTING B-11-23 (12 SPAN STEEL PLATE GIRDER STRUCTURE SUPPORTED ON CONCRETE ABUTMENTS AND PIERS) TO BE REMOVED.

**ELEVATION**  
 LOOKING EAST  
 LIST OF DRAWINGS:  
 1. GENERAL PLAN  
 2. GENERAL PLAN SPANS 1-4  
 3. GENERAL PLAN SPANS 5-8  
 4. GENERAL PLAN SPANS 9-13  
 5. CROSS SECTIONS  
 6. QUANTITIES & DIAGRAMS  
 7. NORTH ABUTMENT  
 8. NORTH ABUTMENT FOOTING  
 9. NORTH ABUTMENT CROSS SECTION & BAR DETAILS  
 10. NORTH ABUTMENT WING 1 DETAILS  
 11. NORTH ABUTMENT WING 2 DETAILS  
 12. SOUTH ABUTMENT FOOTING  
 13. SOUTH ABUTMENT CROSS SECTION & BAR DETAILS  
 14. SOUTH ABUTMENT WING 3 DETAILS  
 15. SOUTH ABUTMENT WING 4 DETAILS  
 16. SOUTH ABUTMENT WING 5 DETAILS  
 17. ALTERNATE CONSTRUCTION JOINT  
 18. COMPLETE CONSTRUCTION JOINT  
 19. PIER 1 SEAL, FOOTING, & SHAFT DETAILS  
 20. PIER 1 DETAILS  
 21. PIER 2 SEAL, FOOTING, & SHAFT DETAILS  
 22. PIER 2 DETAILS  
 23. PIER 2 SEAL, FOOTING, & SHAFT DETAILS  
 24. PIER 3 SEAL, FOOTING, & SHAFT DETAILS  
 25. PIER 3 CAP & END VIEW DETAILS  
 26. PIER 3 SEAL, FOOTING, & SHAFT DETAILS  
 27. PIER 3 SEAL, FOOTING, & SHAFT DETAILS  
 28. PIER 3 CAP DETAILS  
 29. PIER 3 DETAILS  
 30. PIER 4  
 31. PIER 4 SEAL, FOOTING, & SHAFT DETAILS  
 32. PIER 4 DETAILS  
 33. PIER 5  
 34. PIER 5 SEAL, FOOTING, & SHAFT DETAILS  
 35. PIER 5 DETAILS  
 36. PIER 6  
 37. PIER 6 CAP & END VIEW DETAILS  
 38. PIER 6 SEAL, FOOTING, & SHAFT DETAILS  
 39. PIER 6 CAP DETAILS  
 40. PIER 6 DETAILS  
 41. PIER 7 SEAL, FOOTING, & SHAFT DETAILS  
 42. PIER 7 DETAILS  
 43. PIER 7 SEAL, FOOTING, & SHAFT DETAILS  
 44. PIER 8  
 45. PIER 8 SEAL, FOOTING, & SHAFT DETAILS  
 46. PIER 8 DETAILS  
 47. PIER 8 SEAL, FOOTING, & SHAFT DETAILS  
 48. PIER 9 SEAL, FOOTING, & SHAFT DETAILS  
 49. PIER 9 SEAL, FOOTING, & SHAFT DETAILS  
 50. PIER 9 CAP DETAILS  
 51. PIER 9 DETAILS  
 52. PIER 10 SEAL, FOOTING, & SHAFT DETAILS  
 53. PIER 10 DETAILS  
 54. PIER 10 SEAL, FOOTING, & SHAFT DETAILS  
 55. PIER 11  
 56. PIER 11 SEAL, FOOTING, & SHAFT DETAILS  
 57. PIER 11 DETAILS  
 58. PIER 12 SEAL, FOOTING, & SHAFT DETAILS  
 59. PIER 12 SEAL, FOOTING, & SHAFT DETAILS  
 60. PIER 12 SEAL, FOOTING, & SHAFT DETAILS  
 61. SLOPE PAVING CRUSHED AGGREGATE  
 62. NORTH ABUTMENT BEARINGS  
 63. PIER 9 NORTH SIDE BEARINGS  
 64. PIER 9 SOUTH SIDE BEARINGS  
 65. PIER 9 SOUTH SIDE BEARINGS  
 66. SOUTH ABUTMENT BEARINGS

**FOUNDATION DATA**  
 NORTH ABUTMENT AND PIER 1 TO BE SUPPORTED ON HP 14 x 89 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 300 TONS. \*\*PER ESTIMATED 45'-0" LONG AT NORTH ABUTMENT. PILE POINTS REQUIRED. ESTIMATED 45'-0" LONG AT PIER 1. PILE POINTS REQUIRED.  
 \*\*THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR RESISTANT FACTOR OF 0.65 USING THE PDA METHOD TO DETERMINE DRIVEN PILE CAPACITY.  
 PIER 2-11 TO BE SUPPORTED ON DRILLED SHAFTS. DRILLED SHAFTS TO BE SUPPORTED ON SOUND ROCK WITH A MINIMUM UNCONFINED COMPRESSIVE STRENGTH (C<sub>U</sub>) OF 1,100 P.S.I.  
 REFERENCE THE PIER SHEETS FOR THE ESTIMATED DRILLED SHAFT LENGTHS.  
 DRILLED SHAFTS EXCAVATIONS TO BE EVALUATED USING SHAFT INSPECTION (BY CONTRACTOR) AS WELL AS VISUAL INSPECTION AND SOUNDING BY CONTRACTOR AS WELL AS VISUAL INSPECTION AND SOUNDING BY CONTRACTOR INSPECTOR OR GEOTECHNICAL ENGINEER. INTEGRITY OF COMPLETED SHAFTS TO BE EVALUATED WITH GROSS HOLE SONIC LOGGING (CSL) AND THERMAL INTEGRITY PROFILER (TIP) TESTING (BY CONTRACTOR).  
 PIER 12 AND SOUTH ABUTMENT TO BE SUPPORTED ON SPREAD FOOTINGS. SPREAD FOOTINGS TO BE SUPPORTED ON SOUND ROCK WITH A REQUIRED FACTORED BEARING RESISTANCE \*\*\* OF:  
 20,000 PSF KEVED 2'-0" INTO SOUND ROCK (S. ABUT.)  
 20,000 PSF KEVED 1'-0" INTO SOUND ROCK (S. ABUT.)  
 A GEOTECHNICAL ENGINEER OR REGIONAL SOILS ENGINEER WILL EVALUATE THE FACTORED BEARING RESISTANCE BY VISUAL INSPECTION PRIOR TO CONSTRUCTION OF THE PIER FOOTING.  
 \*\*\*THE FACTORED RESISTANCE IS THE VALUE USED FOR DESIGN.

**DESIGN DATA**  
 LIVE LOAD:  
 HL 93  
 INVENTORY RATING: RF = 1.09  
 WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) 250 (RPS)  
 STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.  
 CONCRETE MASONRY:  
 (HPC) SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB  
 PIER FOOTINGS  
 DRILLED SHAFTS  
 ALL OTHER  
 BAR STEEL REINFORCEMENT  
 GRADE 60  
 STAINLESS, GRADE 60  
 72" PRESTRESSED GIRDERS:  
 COILS  
 STRANDS 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.  
 TRAFFIC DATA  
 H-39/90/94 EB  
 R.O.S. = 70 MPH

**STRUCTURE DESIGN CONTACTS:**  
 ANN THELMANN 608-261-0375  
 DOMINIQUE BECHLE 608-261-8205  
 UPDATED BIRRAP  
 03/21/24  
 03/22/24  
 BUREAU OF STRUCTURES  
 CHIEF STRUCTURES DESIGN ENGINEER  
 DATE  
 STRUCTURE B-11-184  
 COUNTY COLUMBIA TOWN DEKORBA  
 DESIGNER/PRC  
 ASHFOR BRIDGE DESIGN/SPECIFICATION  
 ASSIGNED/DESIGNED BY ACT/LXD  
 CHECKED BY ACT/JPH/LKD  
 DATE 03/03/24  
 GENERAL PLAN  
 SHEET 1 OF 99  
 773  
 SCALE = 1/25  
 DATE: MAR. 2024

STATE PROJECT NUMBER  
**1010-10-82**

INDICATES WING NUMBER  
\* PROVIDE FOR THREE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHOT WITH "100% SILICONE CAULK".  
BENCHMARK CAP: FOR LOCATION SEE 'PARAPET' SHEETS.

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 774**  
**March 27, 2024**

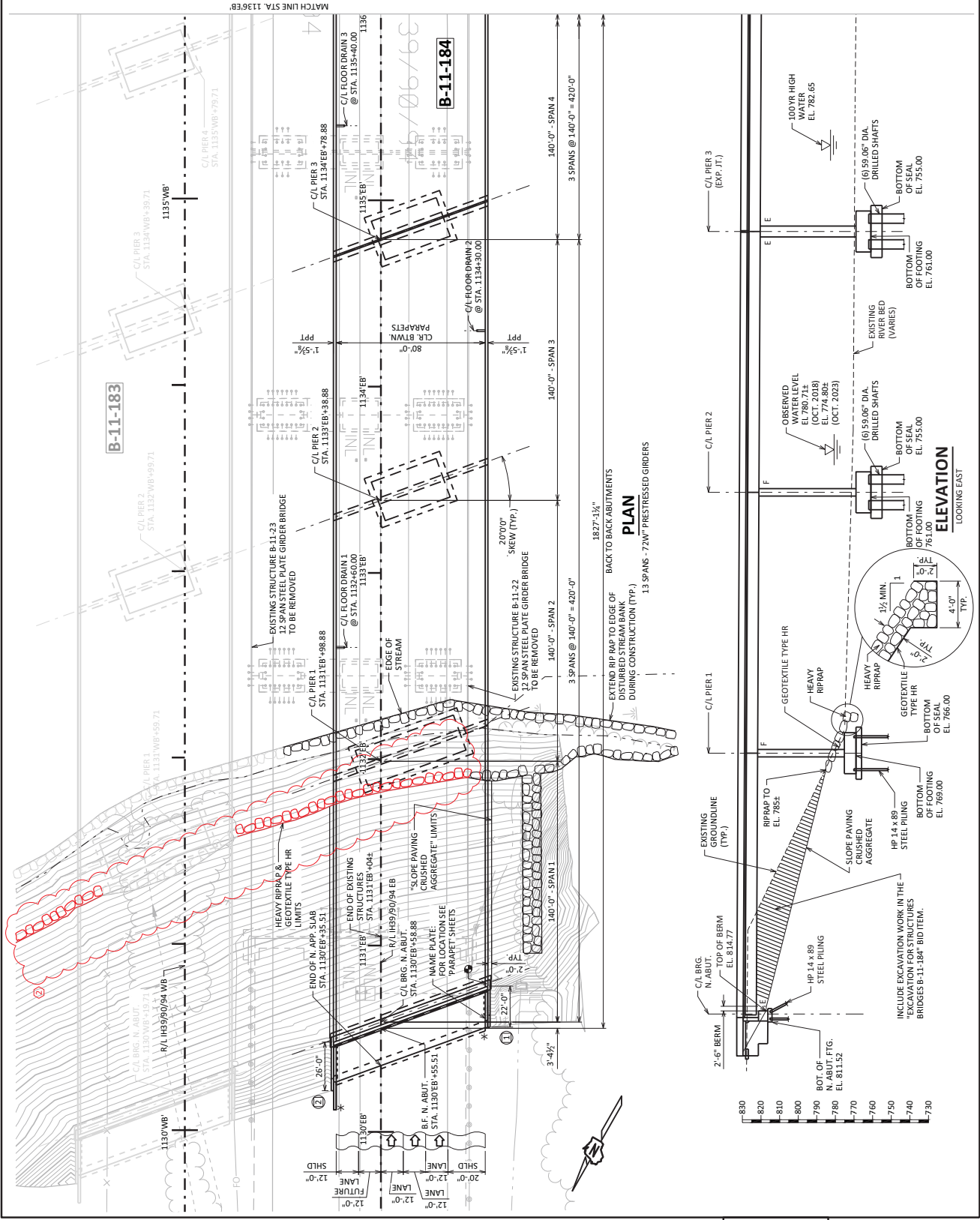
NO.	DATE	REVISION	BY
②	3/27/24	UPDATED RIPRAP	JPH

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
STRUCTURES DESIGN SECTION	
STRUCTURE <b>B-11-184</b>	
DESIGNED BY	ACT
CHECKED BY	ACT

GENERAL PLAN	
SPANS 1-4	
SHEET 2	
774	



2 TOTAL ESTIMATED QUANTITIES

ALL ITEMS ARE CATEGORY 00/20 UNLESS NOTED OTHERWISE.

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	N. STRUCT. APP. SLAB	N. ABUT.	PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	PIER 7	PIER 8	PIER 9	PIER 10	PIER 11	PIER 12	S. ABUT.	S. STRUCT. APP. SLAB	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY MINIMAL DBRRS B-11-22	EACH																		1
203.0260	REMOVING STRUCTURE OVER WATERWAY MINIMAL DBRRS B-11-23	EACH																		1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-11-184	EACH																		1
206.1050.5	UNDERWATER FOUNDATION INSPECTION B-11-184 PIER 12	EACH																		1
206.5001	COFFERDAMS B-11-184	EACH																		1
210.1500	BACKFILL STRUCTURE TYPE A	TON			1,950															1,950
345.0120	BASE AGGREGATE PENE 11/4-INCH	TON		275																275
501.1000.5	ICE HOT MIXER CONCRETING	LB	43,890	870	1,270	4,135	4,165	5,730	4,120	4,095	5,140	4,050	3,865	4,870	4,015	4,090	4,000	1,840	870	100,965
502.0300	CONCRETE MASONRY BRIDGES	CY		26.4	221.5	551.1	555.0	697.4	548.9	545.9	685.1	539.9	515.2	640.0	535.0	545.1	535.5	237.3	26.4	7,413
502.1100	CONCRETE MASONRY SEAL	CY			179.1	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	181.7	203.8	262.4	302.8	418.0		2,629
502.3101	EXPANSION DEVICE	LF	36																	36
502.3111.5	EXPANSION DEVICE MODULAR	LF	344																	344
502.3200	PROTECTIVE SURFACE TREATMENT	SY		178	40															178
502.3210	PROMOTED SURFACE SEALER	SY	1,800	29																29
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH																		180
502.9000.5	UNDERWATER SUBSTRUCTURE INSPECTION B-11-184 PIER 12	EACH																		1
505.0172	PRESTRESSED GIRDER TYPE I 72W-INCH	LF	16,330																	16,330
505.0400	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,362,060	19,520	10,110	92,440	191,730	117,410	158,510	158,070	85,410	157,350	154,100	85,410	156,620	158,090	92,780	12,900	19,520	1,630,370
505.0800	BAR STEEL REINFORCEMENT HS UNLAMINATED	LB			1,395			111,480			109,850			105,170					1,395	1,646,390
505.2805	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	162																	162
506.2810	BEARING PADS ELASTOMERIC LAMINATED	EACH	72																	72
506.4000	STEEL DIAPHRAGMS B-11-184	EACH	208																	208
509.5100.5	POLYMER OVERLAY	SY	16,210																	16,210
514.0450	FLOOR DRAINS TYPE WF	EACH	9																	9
516.0900	RUBBERIZED MEMBRANE WATERPROOFING	SY			25															25
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	LF			992															992
550.0500	PILE POINTS	EACH			32	32														64
604.0500	RIPRAP HEAVY	SY		1,180																1,180
606.0300	RIPRAP HEAVY	CY			710															710
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	4		130															130
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH																		4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY			90															90
645.0120	GEOTEXTILE TYPE HR	SY			1,115															1,115
SPV.0035	HPC MASONRY STRUCTURES	CY	585.18	83.8	7.3															1,115
SPV.0060	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH			2	2														4
SPV.0060	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH			2	2														4
SPV.0060	CASE PILE WAVE ANALYSIS PROGRAM (CAPWAP) EVALUATION	EACH			1	1														2
SPV.0060	TRIAL DRILLED SHAFT FOUNDATION 50.06-INCH	EACH																		1
SPV.0060	CROSSHOLE SONIC LOG (CSL) TESTING, DRILLED SHAFT FOUNDATION 50.06-INCH	EACH			7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	61
SPV.0060	THERMAL INTEGRITY PROBER (TIP) TESTING, DRILLED SHAFT FOUNDATION 50.06-INCH	EACH			7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	61
SPV.0060	SHAFT INSPECTION DEVICE (SID) TESTING, TRIAL DRILLED SHAFT 50.06-INCH	EACH			1	1														1
SPV.0060	SHAFT INSPECTION DEVICE (SID) TESTING, DRILLED SHAFT 50.06-INCH	EACH			6	6														60
SPV.0060	COFFERDAMS B-11-184 PIER 12	EACH																		1
SPV.0060	GEOTECHNICAL BORINGS, EQUIPMENT MOBILIZATION	EACH																		1
SPV.0060	ROCK UNCONFINED COMPRESSIVE STRENGTH TESTING	EACH			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	40
SPV.0075	INSTRUCTIONS DRILLED SHAFT FOUNDATION	HRS			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	30
SPV.0090	GEOTECHNICAL BORING, SOIL DRILLING 0-50 FT	LF			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	450
SPV.0090	GEOTECHNICAL BORING, SOIL DRILLING 51-150 FT	LF			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	230
SPV.0090	GEOTECHNICAL BORING, SOIL DRILLING 101-150 FT	LF			50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	40
SPV.0090	GEOTECHNICAL BORING, ROCK CORING 0-50 FT	LF																		10
SPV.0090	GEOTECHNICAL BORING, ROCK CORING 51-100 FT	LF																		40
SPV.0090	GEOTECHNICAL BORING, ROCK CORING 101-150 FT	LF																		150
SPV.0090	GEOTECHNICAL BORING, ROCK CORING 151-200 FT	LF																		80
SPV.0090	DRILLED SHAFT FOUNDATION 50.06-INCH	LF			900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	6,000
SPV.0090	PILING STEEL HP 14-INCH X 89 LB	LF			1,440	1,440														2,880
	NON-BID ITEMS																			
	BRIDGE SEAT PROTECTION	EACH																		1
	FILLER	SIZE																		1/2", 3/4", 1 1/2"

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 778  
March 27, 2024

REVISED QUANTITIES	NO.	DATE	REVISION	BY
			STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION	
STRUCTURE	B-11-184			
FORWARD BY	REVISED BY	ACT		
			SHEET 6	
			778	

03/22/24

INSTALL TRIAL DRILLED SHAFT AT PIER 2. CONSTRUCT TRIAL DRILLED SHAFT PER THE DRILLED SHAFT DETAILS ON THE PIER DETAIL SHEETS. LOCATE TRIAL SHAFT WITHIN THE FOOTPRINT OF THE PIER PAVING BLOCK, AND STRUCTURAL APPROACH SLAB SURFACES. SETTOP OF TRIAL DRILLED SHAFT ELEVATION AND DO NOT CONFLICT WITH PERMANENT DRILLED SHAFTS.

BID ITEM INCLUDES TESTS FOR TRIAL AND PRODUCTION DRILLED SHAFTS.

POLYMER OVERLAY TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK SURFACE, EXCEPT ON THE EXPANSION DEVICES, TOP OF ABUTMENT PAVING BLOCK, AND STRUCTURAL APPROACH SLAB SURFACES.

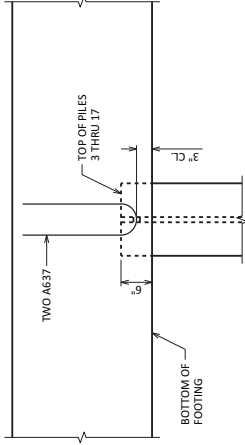
ITEM TO BE PAID FOR UNDER CATEGORY 0130.

ITEM TO BE PAID FOR UNDER CATEGORY 0140.

GEOTECHNICAL BORING EQUIPMENT MOBILIZATION WILL BE PAID FOR AS ONE MOBILIZATION PER BRIDGE.

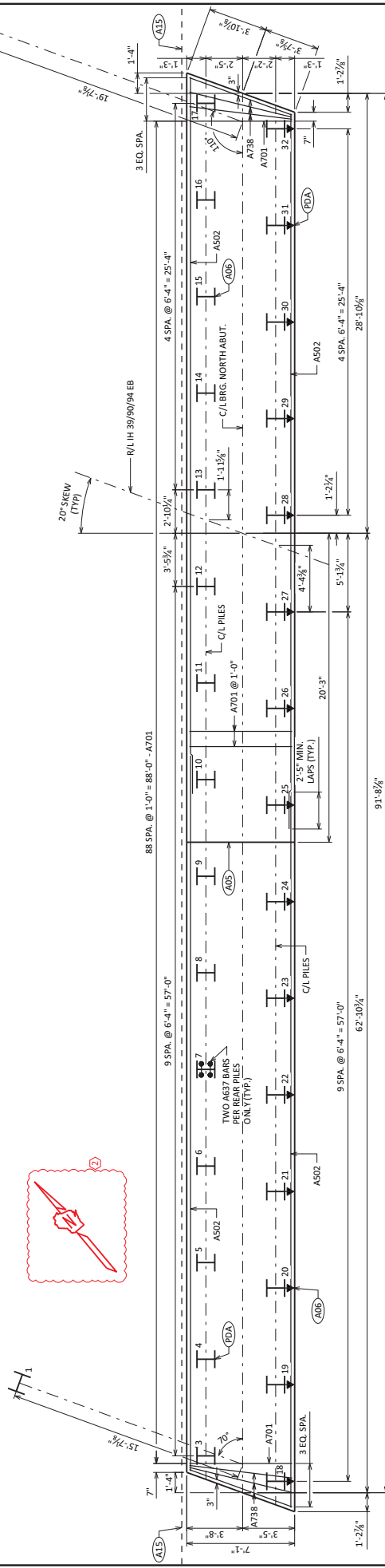
CONCRETE FOR DRILLED SHAFT FOUNDATIONS IS INCLUDED IN THE DRILLED SHAFT FOUNDATION 50.06-INCH BID ITEM. DRILLED SHAFT REINFORCEMENT IS INCLUDED IN THE "BAR STEEL REINFORCEMENT HS STRUCTURES" BID ITEM.

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 781  
March 27, 2024



**UPLIFT CONNECTION DETAIL**

PLACE A637 BARS IN 1 1/2" HOLES BURNED INTO PILE WEB.  
USE 2 BARS AT EACH UPLIFT PILE. AT PILES 3 THRU 17 ONLY.



**FOOTING & PILE PLAN**

- (ALS) OPTIONAL VERTICAL CONST. JOINT IN FOOTING.
- (A05) SUPPORT ABUTMENT ON HP 14 x 89 STEEL PILING. ESTIMATED 45'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 300 TONS\*. PER PILE AS DETERMINED BY THE DESIGNER. PILING CAPACITY FACTOR REQUIRED AT ALL PILES TO PROTECT PILES DURING DRIVING.
- \* THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.6. SEE DESIGN METHOD TO DETERMINE DRIVEN PILE CAPACITY.
- (ALS) PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPE 0.5% REQUIRED.
- (A06) PILE DYNAMIC ANALYZER TESTING AND RESTRIKES REQUIRED AT THIS PILE
- (PDA) INDICATES PILE BATTERED 1/4 IN DIRECTION SHOWN.

8  
03/22/24  
[Signature]

NO.	DATE	REVISION	BY
03/22/24		ADDED NORTH ABUT	JPH

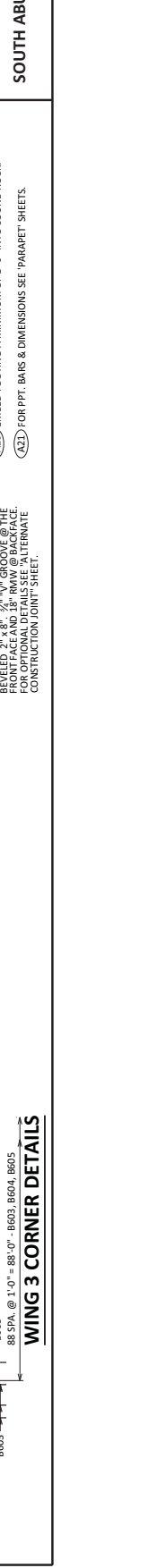
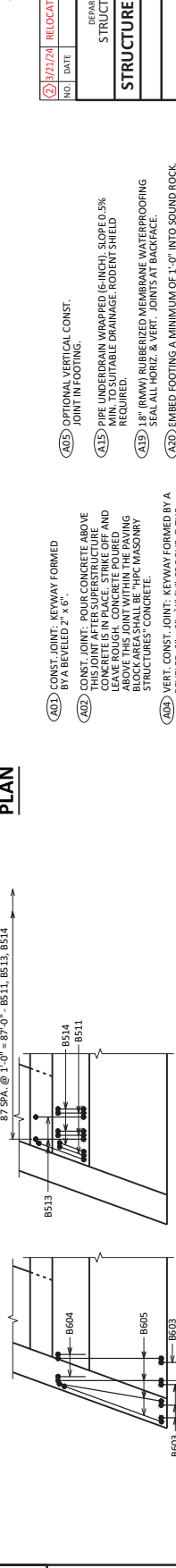
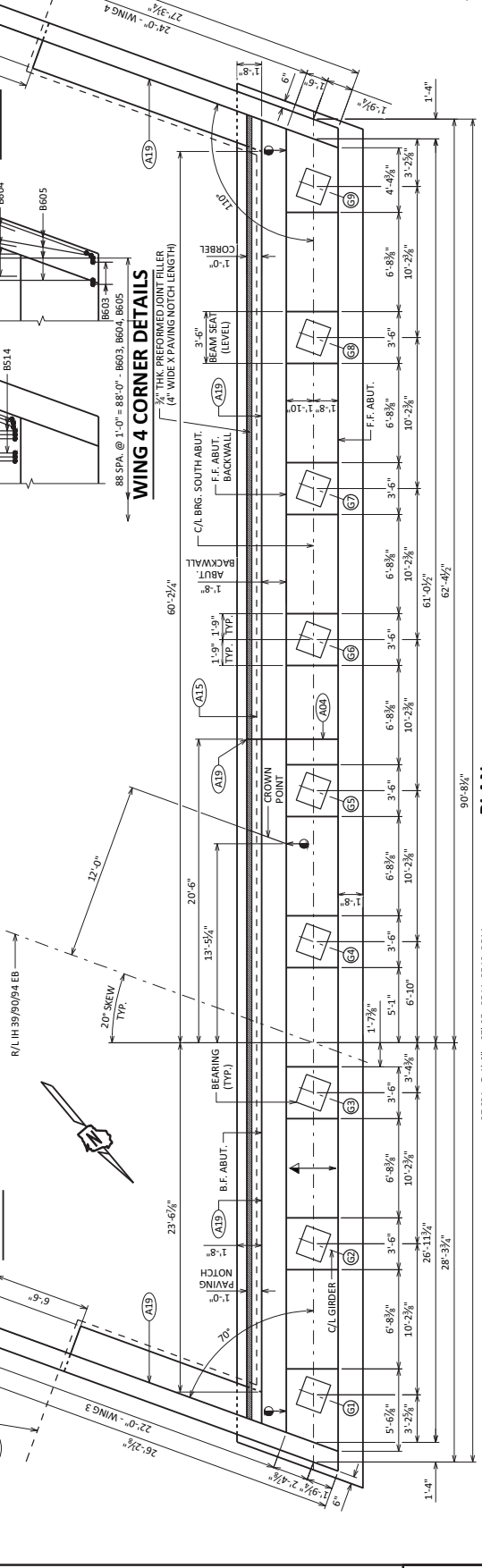
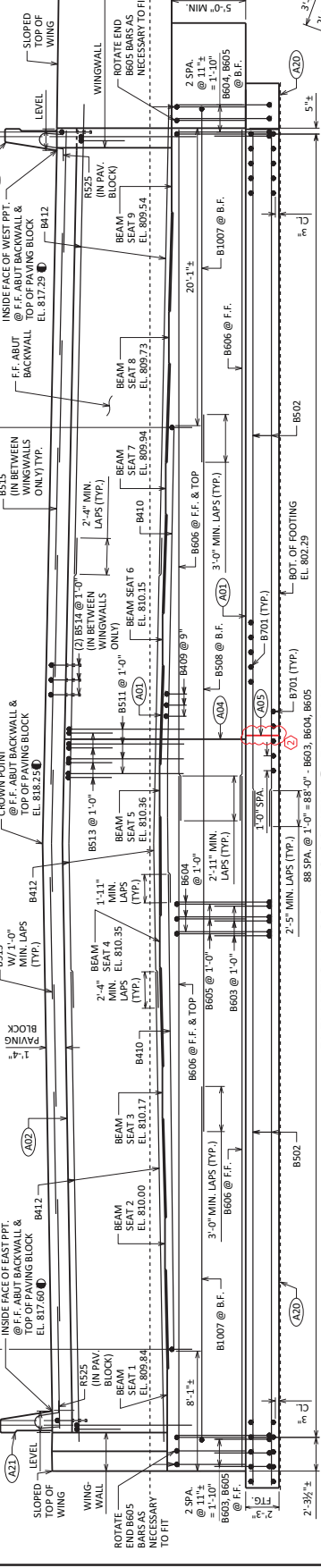
  

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION	
STRUCTURE	B-11-184
DESIGNED BY	JPH
CHECKED BY	ACT
NORTH ABUTMENT FOOTING	
SHEET 9	
781	



Addendum No. 02  
ID 1010-10-82  
Revised Sheet 785  
March 27, 2024

STATE PROJECT NUMBER  
**1010-10-82**



**PLAN**

**WING 3 CORNER DETAILS**

**WING 4 CORNER DETAILS**

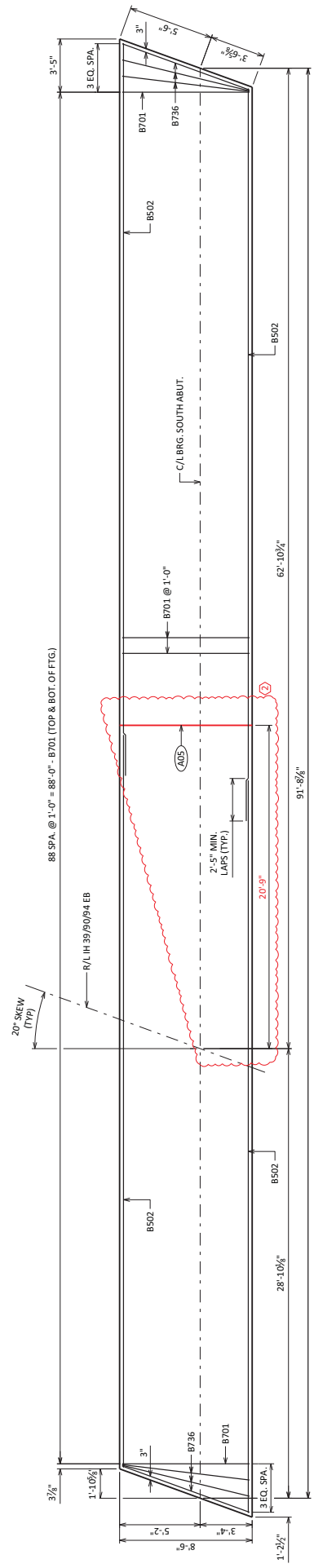
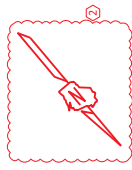
8

NO.	DATE	REVISION	BY
03/22/24		RELOCATED FTG. VERT. CONST. JOINT	JPH
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE		B-11-184	
DESIGNED BY		JPH EKD ACT	
CHECKED BY		JPH EKD ACT	
SOUTH ABUTMENT			SHEET 13
			785

- (A21) SLOPED DOWN 1" BETWEEN BEAM SEATS (TYP.)
- (A22) THE TOP OF PAVING BLOCK ELEVATIONS ARE GIVEN HERE AT THE F.F. BACKWALL.
- (A23) OPTIONAL VERTICAL CONST. JOINT IN FOOTING.
- (A24) PIPE UNDERPAIN WRAPPED (6 INCH) SLOPED 5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.
- (A25) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL-HORIZ. & VERT. JOINTS AT BACKFACE.
- (A26) EMBED FOOTING A MINIMUM OF 1'-0" INTO SOUND ROCK.
- (A27) FOR PPT. BARS & DIMENSIONS SEE 'PARAPET' SHEETS.
- (A28) CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 6".
- (A29) CONST. JOINT: POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE CONCRETE IS IN PLACE. STRIKE OFF AND FINISH WITH FINISH. KEYWAY ABOVE THIS JOINT WITHIN THE PAVING BLOCK AREA SHALL BE "HPC MASONRY STRUCTURES" CONCRETE.
- (A30) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 6" GROOVE @ THE JOINT. KEYWAY SHALL BE ALTERNATE FOR OPTIONAL DETAILS SEE 'ALTERNATE CONSTRUCTION JOINT' SHEET.

87 SPA. @ 1'-0" = 87'-0" (2) B514 (IN BETWEEN WINGWALLS ONLY)  
 87 SPA. @ 1'-0" = 87'-0" - B511, B512 (IN BETWEEN WINGWALLS ONLY)  
 83 SPA. @ 9" = 62'-3" - B409  
 B515  
 W/1'-0" MIN. LAPS (TYP.)  
 B412  
 INSIDE FACE OF EAST PPT. (IN PAV. BLOCK) TOP OF PAVING BLOCK EL. 817.60  
 B410  
 BEAM SEAT 1 EL. 810.17  
 BEAM SEAT 2 EL. 810.00  
 BEAM SEAT 3 EL. 809.84  
 BEAM SEAT 4 EL. 810.35  
 BEAM SEAT 5 EL. 810.17  
 BEAM SEAT 6 EL. 810.15  
 BEAM SEAT 7 EL. 809.94  
 BEAM SEAT 8 EL. 809.73  
 BEAM SEAT 9 EL. 809.54  
 ROTATE END BARS NECESSARY TO FIT  
 WINGWALL  
 B605  
 B604  
 B603  
 B602  
 2 SPA. @ 11" @ 1'-0" @ F.F.  
 2 SPA. @ 11" @ 1'-0" @ B.F.  
 5'-0" MIN. ABRUT. BODY  
 APPROXIMATE ELEVATION OF SANDSTONE: EL. 811.00

STATE PROJECT NUMBER  
1010-10-82



**SPREAD FOOTING PLAN**

SOUTH ABUTMENT TO BE SUPPORTED ON A SPREAD FOOTING.  
SPREAD FOOTING TO BE SUPPORTED ON SOUND ROCK WITH A  
BEARING CAPACITY AND RESISTANCE OF 20,000 PSF  
KEYED 1'-0" INTO SOUND ROCK.

(ABS) OPTIONAL VERTICAL CONST. JOINT IN FOOTING.

NOTE:  
REINFORCEMENT SHOWN IN THIS PLAN VIEW  
OCCURS AT BOTH THE TOP AND BOTTOM OF FOOTING.

*[Signature]*  
03/22/24

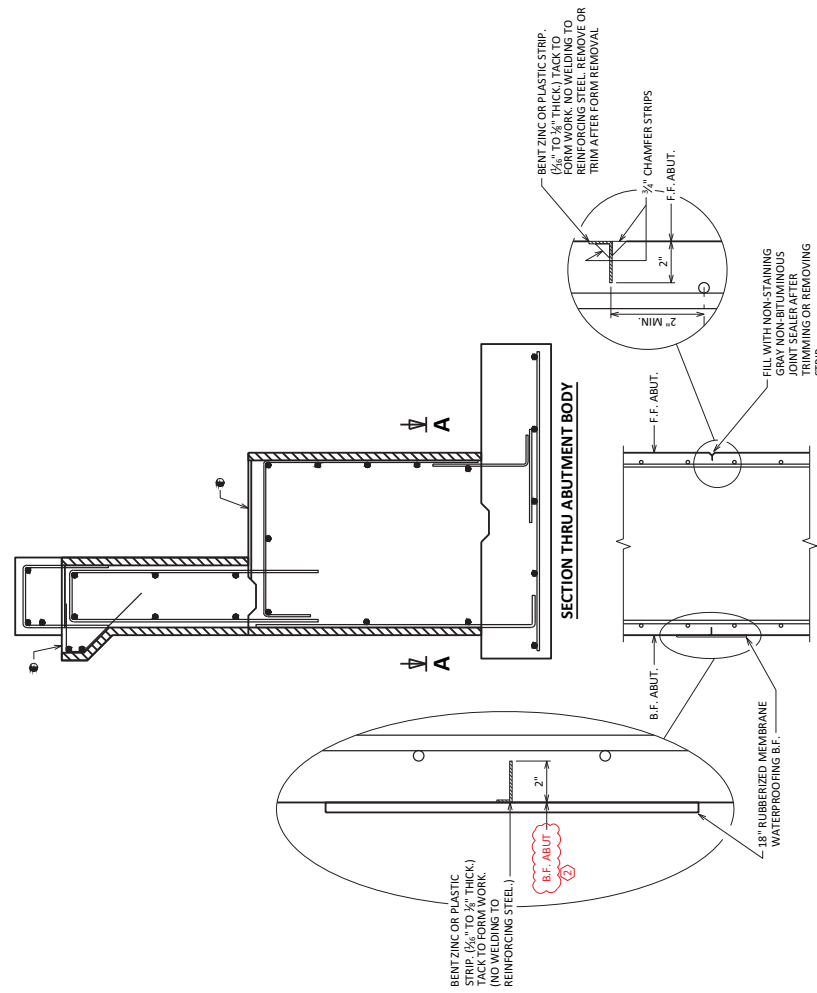
Addendum No. 02  
ID 1010-10-82  
Revised Sheet 786  
March 27, 2024

NO.	DATE	RELOCATED FTG.	VERT. CONST. JOINT	IPH	BY
2	3/21/24				
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION					
STRUCTURE B-11-184		DESIGNED BY	IPH	CHECKED BY	ACT
SOUTH ABUTMENT FOOTING		SHEET 14		786	



STATE PROJECT NUMBER  
1010-10-82

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 790  
March 27, 2024



**NOTES**

1. BENT ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

2. VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

3. CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

4. SAW CUTTING JOINT IS NOT ALLOWED.

5. USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

*[Signature]*  
03/22/24

NO.	DATE	BY	REVISION
1	03/22/24	JPH	B.F. ABUT. NOTE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE B-11-184  
DRAWN BY JPH  
CHECKED BY ACT

ALTERNATE CONSTRUCTION JOINT

SHEET 18

790

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

**BILL OF BARS**

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	NO. REQ'D	LENGTH	BAR SERIES	LOCATION
D1101	X	124	24-6"	SHAFT VERT.
D1102	X	24	23-8"	SHAFT/CAP VERT.
D1103	X	100	33-9"	SHAFT/CAP VERT.
D704	X	8	38-4"	CAP-HORIZ. BOT.
D805	X	2	40'-10"	CAP-HORIZ. BOT.
D706	X	16	30-9"	CAP-HORIZ. BOT. SIDES
D807	X	4	31-0"	CAP-HORIZ. BOT. SIDES
D608	X	16	45-2"	CAP VERT. STIRRUP
D609	X	168	30-6"	CAP VERT. STIRRUP
D610	X	84	30-1"	CAP VERT. STIRRUP
D611	X	74	18-6"	CAP VERT. ABOVE SHAFT
D812	X	116	32-2"	CAP-HORIZ. SERIES
D813	X	20	46-0"	CAP-HORIZ.
D414	X	88	8'-11"	CAP VERT. SUPPORT BARS
D1115	X	16	41-3"	CAP-HORIZ. TOP
D1116	X	16	60-0"	CAP-HORIZ. TOP
D1117	X	16	43-6"	CAP-HORIZ. TOP
D1118	X	16	44-0"	CAP-HORIZ. TOP
D1119	X	32	60-0"	CAP-HORIZ. TOP
D620	X	16	11-7"	CAP-HORIZ. END U-BAR
D621	X	37	12'-11"	CAP VERT. TOP
D422	X	14	33-6"	CAP-HORIZ. TOP
D423	X	65	9'-3"	CAP VERT. TOP U-BARS
D624	X	8	45-0"	CAP VERT. STIRRUPS
D1125	X	54	24'-10"	FOOTING-HORIZ. BOT.
D1026	X	50	39-7"	FOOTING-HORIZ. BOT.
D827	X	122	9'-6"	FOOTING VERT. U-BAR SIDES
D528	X	14	36-6"	FOOTING-HORIZ. SIDES
D529	X	14	21-6"	FOOTING-HORIZ. SIDES
D890	X	35	21-6"	FOOTING-HORIZ. TOP
D1131	X	124	19'-3"	FOOTING/SHAFT VERT.
D432	X	60	11-10"	FOOTING/SHAFT-HORIZ.
D434	X	60	24-6"	FOOTING/SHAFT-HORIZ.
D435	X	420	5'-9"	FOOTING/SHAFT-HORIZ. TIE BARS
D436	X	906	15-7"	DRILLED SHAFT-HORIZ. HOOP TIE BARS
D1037	X	120	47-0"	DRILLED SHAFT VERT.
D1037	X	240	59-0"	DRILLED SHAFT VERT.
D438	X	24	40'-0"	DRILLED SHAFT VERT. TIP TESTING

▲ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

**BAR SERIES TABLE**

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D	LENGTH
D609	4 SERIES OF 42	16'-1" TO 44'-11"
D610	2 SERIES OF 42	15'-6" TO 44'-8"
D612	4 SERIES OF 29	19'-0" TO 45'-3"

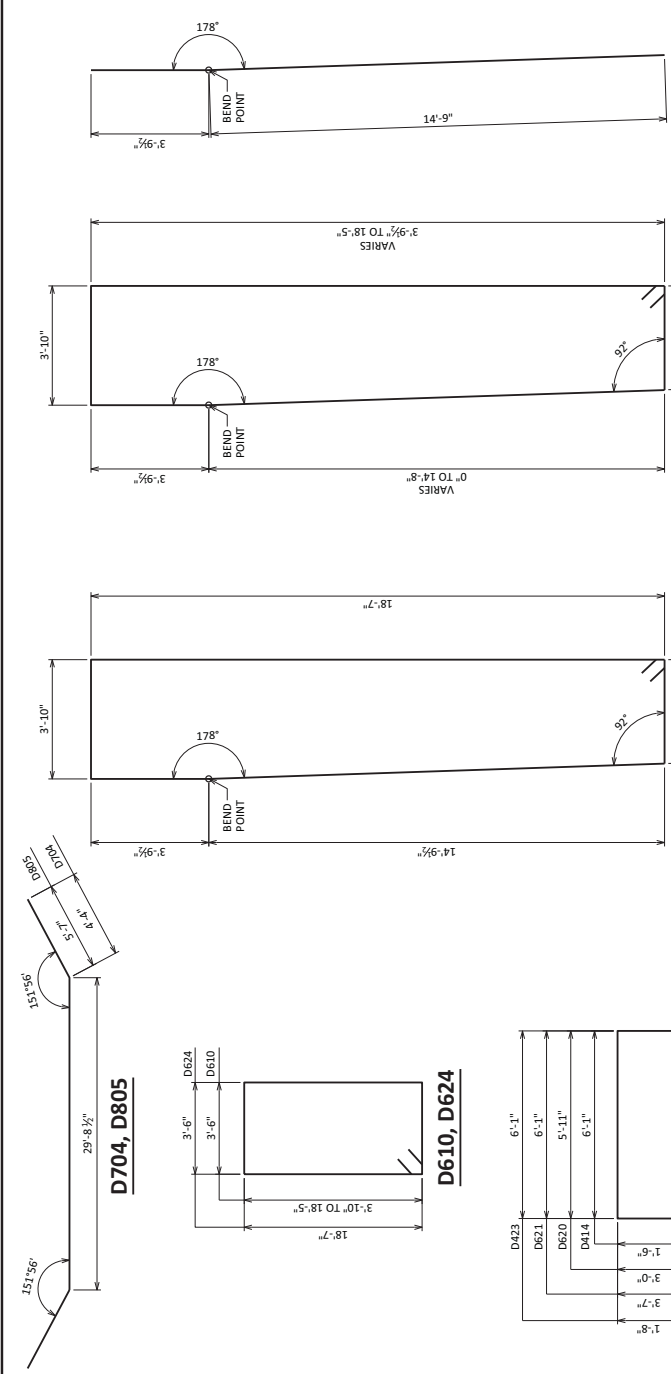
★ DRILLED SHAFT VERT. BARS TO LAP A MIN. OF 5'-0". IF TIP ELEVATION IS ADJUSTED IN THE FIELD, CONTRACTOR TO VERIFY THAT MIN. LAP LENGTH IS MAINTAINED.

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 801**  
**March 27, 2024**

NO.	DATE	REVISION	BY
03/22/24		BAR LENGTH	WWR

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION  
**STRUCTURE B-11-184**  
DESIGNED BY: WWR  
CHECKED BY: ACT

PIER 3  
DETAILS  
SHEET 29  
**801**



**D611**

**D609**

**D608**

**D414, D620, D621, D423**

**D1117, D1118, D1119**

**D1131**

**D432**

**D434**

**D435**

**D1125, D1026, D827**

**BILL OF BARS**

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
H1101	X	24'-6"			SHAFT/VERT.
H1102	X	24'			SHAFT/CAP-VERT.
H1103	X	100	31'-8"		SHAFT/CAP-VERT.
H704	X	8	38'-4"	X	CAP-HORIZ-BOT.
H805	X	2	40'-10"	X	CAP-HORIZ-BOT.
H706	X	16	30'-9"	X	CAP-HORIZ-BOT SIDES
H807	X	4	31'-0"	X	CAP-HORIZ-BOT SIDES
H608	X	16	45'-2"	X	CAP-VERT. STIRRUP
H609	X	168	30'-6"	X	CAP-VERT. STIRRUP
H610	X	84	30'-1"	X	CAP-VERT. STIRRUP
H611	X	74	18'-6"	X	CAP-VERT. ABOVE SHAFT
H812	X	116	32'-2"	X	CAP-HORIZ. SERIES
H813	X	20	46'-0"	X	CAP-HORIZ.
H414	X	88	8'-11"	X	CAP-VERT. SUPPORT BARS
H1115	X	16	41'-3"	X	CAP-HORIZ-TOP
H1116	X	16	60'-0"	X	CAP-HORIZ-TOP
H1117	X	16	43'-6"	X	CAP-HORIZ-TOP
H1118	X	16	44'-0"	X	CAP-HORIZ-TOP
H1119	X	32	60'-0"	X	CAP-HORIZ-TOP
H620	X	16	11'-7"	X	CAP-HORIZ-END U-BAR
H621	X	37	12'-11"	X	CAP-VERT-TOP
H422	X	14	33'-6"	X	CAP-HORIZ-TOP
H423	X	65	9'-3"	X	CAP-VERT-TOP U-BAR
H624	X	8	45'-0"	X	CAP-VERT-STIRRUPS
H1125	X	54	24'-10"	X	FOOTING-HORIZ-BOT.
H1026	X	50	39'-7"	X	FOOTING-HORIZ-BOT.
H827	X	122	9'-6"	X	FOOTING-VERT. U-BAR SIDES
H528	X	14	36'-6"	X	FOOTING-HORIZ SIDES
H529	X	14	21'-6"	X	FOOTING-HORIZ SIDES
H930	X	35	21'-6"	X	FOOTING-HORIZ-TOP
H1131	X	124	13'-10"	X	FOOTING/SHAFT-VERT.
H432	X	54	11'-10"	X	FOOTING/SHAFT-HORIZ.
H433	X	54	24'-6"	X	FOOTING/SHAFT-HORIZ.
H434	X	606	15'-7"	X	FOOTING/SHAFT-HORIZ. TIE BARS
H435	X	606	15'-7"	X	DRILLED SHAFT-HORIZ. HOOP TIE BARS
H1036	X	120	49'-9"	X	DRILLED SHAFT-VERT.
H1037	X	120	59'-9"	X	DRILLED SHAFT-VERT.
H488	X	18	35'-0"	X	DRILLED SHAFT-VERT. TIP TESTING

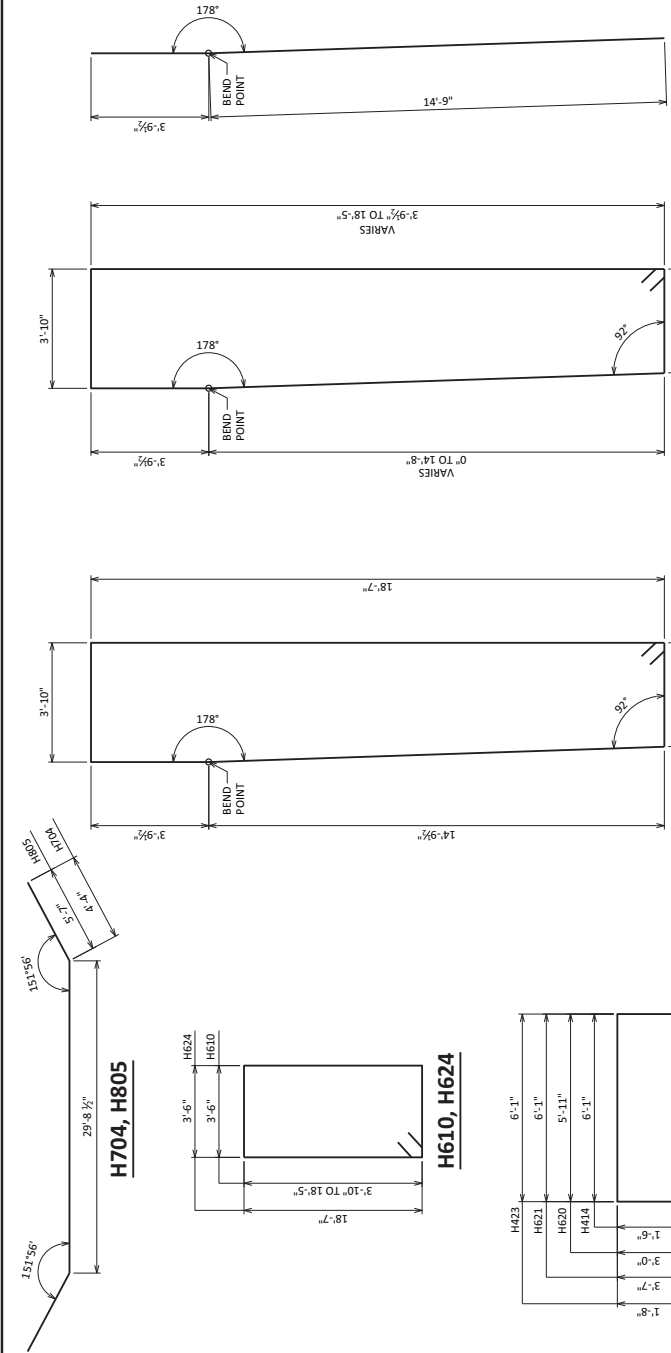
▲ LENGTH SHOWN FOR BARS IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

**BAR SERIES TABLE**

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D	LENGTH
H609	4 SERIES OF 42	16'-1" TO 44'-11"
H610	2 SERIES OF 42	15'-6" TO 44'-8"
H812	4 SERIES OF 29	19'-0" TO 45'-3"

★ DRILLED SHAFT VERT. BARS TO BE PLACED IN THE FIELD. CONTRACTOR TO VERIFY THAT MIN. LAP LENGTH IS MAINTAINED.



**H611**

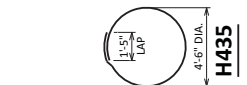
**H609**

**H608**

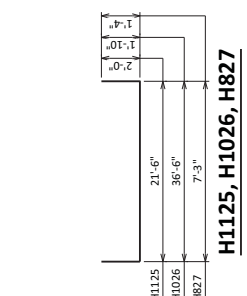
**H414, H620, H621, H423**

**H1117, H118, H119**

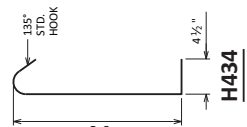
Addendum No. 02  
ID 1010-10-82  
Revised Sheet 812  
March 27, 2024



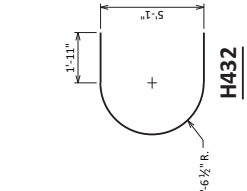
**H435**



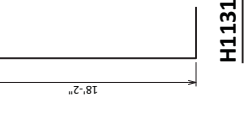
**H1125, H1026, H827**



**H434**



**H432**



**H1131**

NO.	DATE	REVISION	BY
03/22/24		BAR LENGTH & BAR QUANTITY	WWR

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION  
**STRUCTURE B-11-184**  
DESIGNED BY WWR  
CHECKED BY ACT

PIER 6  
DETAILS  
SHEET 40  
**812**

**BILL OF BARS**

NOTE: THE FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
L1101	X	24	20'-6"		SHAFT-VERT.
L1102	X	24	19'-4"		SHAFT/CAP-VERT.
L1103	X	100	29'-5"		SHAFT/CAP-VERT.
L704	X	8	38'-4"	X	CAP-HORIZ.-BOT.
L805	X	2	40'-10"	X	CAP-HORIZ.-BOT.
L705	X	16	30'-9"	X	CAP-HORIZ.-BOT. SIDES
L807	X	4	31'-0"	X	CAP-HORIZ.-BOT. SIDES
L608	X	16	45'-2"	X	CAP-VERT. STIRRUP
L609	X	168	30'-6"	X	CAP-VERT. STIRRUP
L610	X	84	30'-1"	X	CAP-VERT. STIRRUP
L611	X	74	18'-6"	X	CAP-VERT.-ABOVE SHAFT
L812	X	116	37'-2"	X	CAP-HORIZ. SERIES
L813	X	20	46'-0"	X	CAP-VERT. SUPPORT BARS
L414	X	88	8'-11"	X	CAP-VERT. SUPPORT BARS
L1115	X	16	41'-3"	X	CAP-HORIZ.-TOP
L1116	X	16	60'-0"	X	CAP-HORIZ.-TOP
L1117	X	16	43'-6"	X	CAP-HORIZ.-TOP
L1118	X	16	44'-0"	X	CAP-HORIZ.-TOP
L1119	X	32	60'-0"	X	CAP-HORIZ.-TOP
L620	X	16	11'-7"	X	CAP-HORIZ.-END U-BAR
L621	X	37	12'-11"	X	CAP-HORIZ.-TOP
L422	X	14	33'-6"	X	CAP-HORIZ.-TOP
L423	X	65	9'-3"	X	CAP-VERT.-TOP U-BAR
L624	X	8	45'-0"	X	CAP-VERT.-STIRRUPS
L1125	X	54	24'-10"	X	FOOTING-HORIZ.-BOT.
L1026	X	50	39'-7"	X	FOOTING-HORIZ.-BOT.
L827	X	122	9'-6"	X	FOOTING-VERT. U-BAR SIDES
L528	X	14	36'-6"	X	FOOTING-HORIZ.-SIDES
L529	X	14	21'-6"	X	FOOTING-HORIZ.-SIDES
L930	X	35	21'-6"	X	FOOTING-HORIZ.-TOP
L1131	X	124	19'-10"	X	FOOTING/SHAFT-VERT.
L432	X	44	11'-10"	X	FOOTING/SHAFT-HORIZ.
L433	X	44	24'-6"	X	FOOTING/SHAFT-HORIZ.
L434	X	308	5'-9"	X	FOOTING/SHAFT-HORIZ. TIE BARS
L435	X	606	15'-7"	X	FOOTING/SHAFT-HORIZ. TIE BARS
L1036	X	120	40'-9"	X	DRILLED SHAFT-VERT.
L1037	X	120	59'-9"	X	DRILLED SHAFT-VERT.
L438	X	18	35'-0"	X	DRILLED SHAFT-VERT. TIP TESTING

★ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

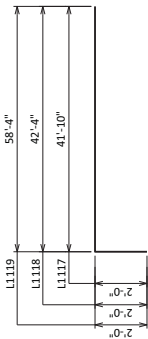
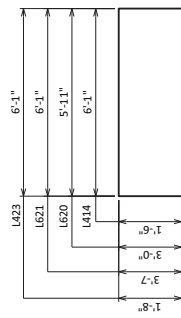
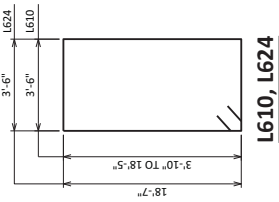
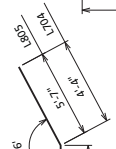
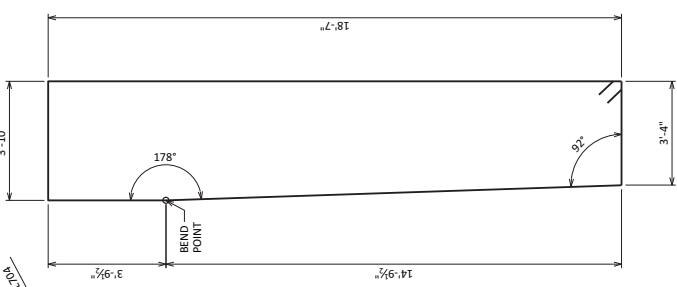
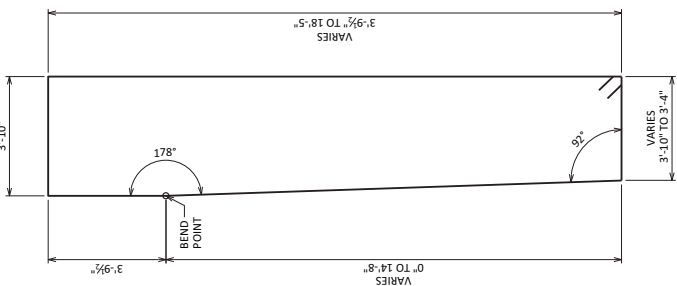
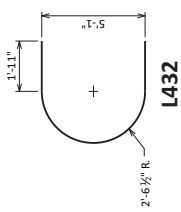
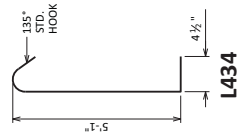
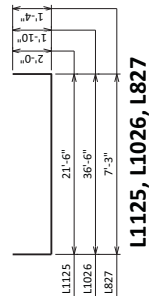
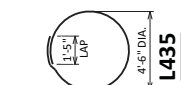
**BAR SERIES TABLE**

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D	LENGTH
L609	4 SERIES OF 42	16'-1" TO 44'-11"
L610	2 SERIES OF 42	15'-6" TO 44'-8"
L812	4 SERIES OF 29	19'-0" TO 45'-3"

★ DRILLED SHAFT VERT. BARS TO BE USED IN FIELD. IF THE ELEVATION IS ADJUSTED IN THE FIELD, CONTRACTOR TO VERIFY THAT MIN. LAP LENGTH IS MAINTAINED.

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 823  
March 27, 2024

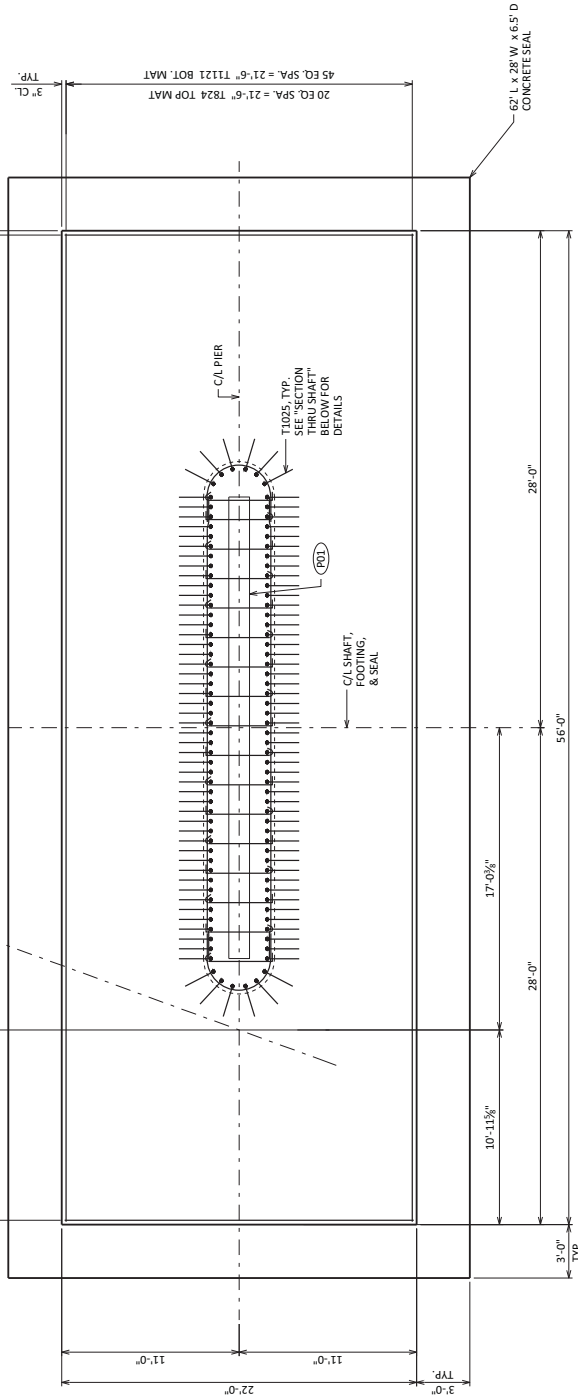


42 EQ. SPA. = 55'-6" T823 TOP MAT  
74 EQ. SPA. = 55'-6" T1022 BOT. MAT

R/L IH 39/90/94 EB

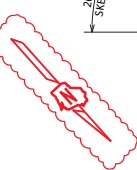
3" CL. TYP.

20" SKEW



SEAL & FOOTING PLAN

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 831  
March 27, 2024

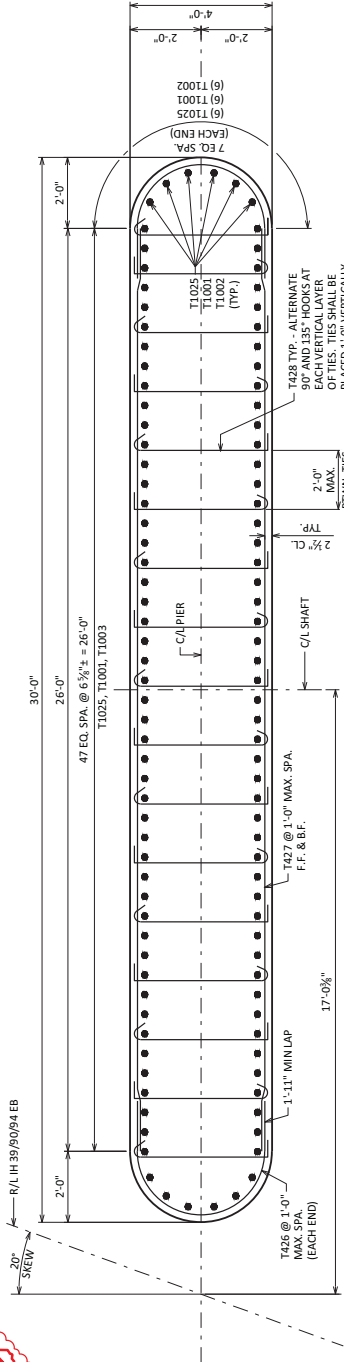


**PIER 12 SPREAD FOOTING NOTES:**

PIER TO BE SUPPORTED ON SPREAD FOOTING. SPREAD FOOTING TO BE SUPPORTED ON SOUND ROCK WITH A REQUIRED FACTORED BEARING RESISTANCE OF 20,000 P.S.F. MIN. INTO SOUND ROCK.  
ROCK DEPTHS ARE HIGHLY VARIABLE. ROCK EXCAVATIONS ANTICIPATED TO ACHIEVE THE PLAN SEAL AND FOOTING ELEVATIONS. ROCK EXCAVATION WORK TO BE INCLUDED IN THE "EXCAVATION FOR STRUCTURES" BID ITEM. PIER 12 REVISIONS ARE INCLUDED IN THE CADDENAMS B-11-184 PIER 12 SPECIAL PROVISION BID ITEM.

CONTRACTOR MAY POUR THE SEAL FULL DEPTH DOWN TO ROCK WHERE THE TOP OF ROCK ELEVATION IS LOWER THAN THE BOTTOM OF SEAL ELEVATION. CONCRETE JOINT SPECIFICATIONS SHALL BE BASED ON A CONSTANT SEAL THICKNESS OF 6'-6". BASE PAYMENT ON THE ACTUAL QUANTITY USED.

26'-0" L x 1'-4" W x 4" DEEP CONST. JOINT FORMED BY BEVELED KEYWAY, AT TOP OF FOOTING.



SECTION THRU SHAFT

NO.	DATE	REVISION	BY
2	3/21/24	NORTH ARROW	WWR

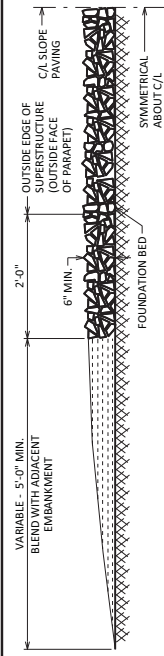
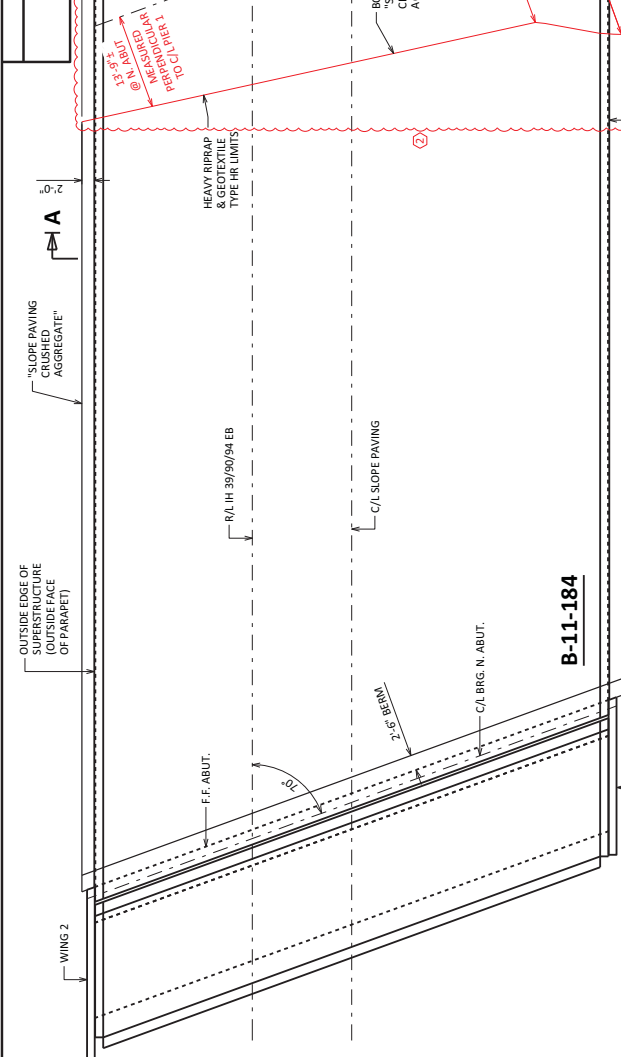
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE B-11-184  
DESIGNED BY WWR  
CHECKED BY ACT

PIER 12 SEAL, FOOTING, & SHAFT DETAILS  
SHEET 59  
831

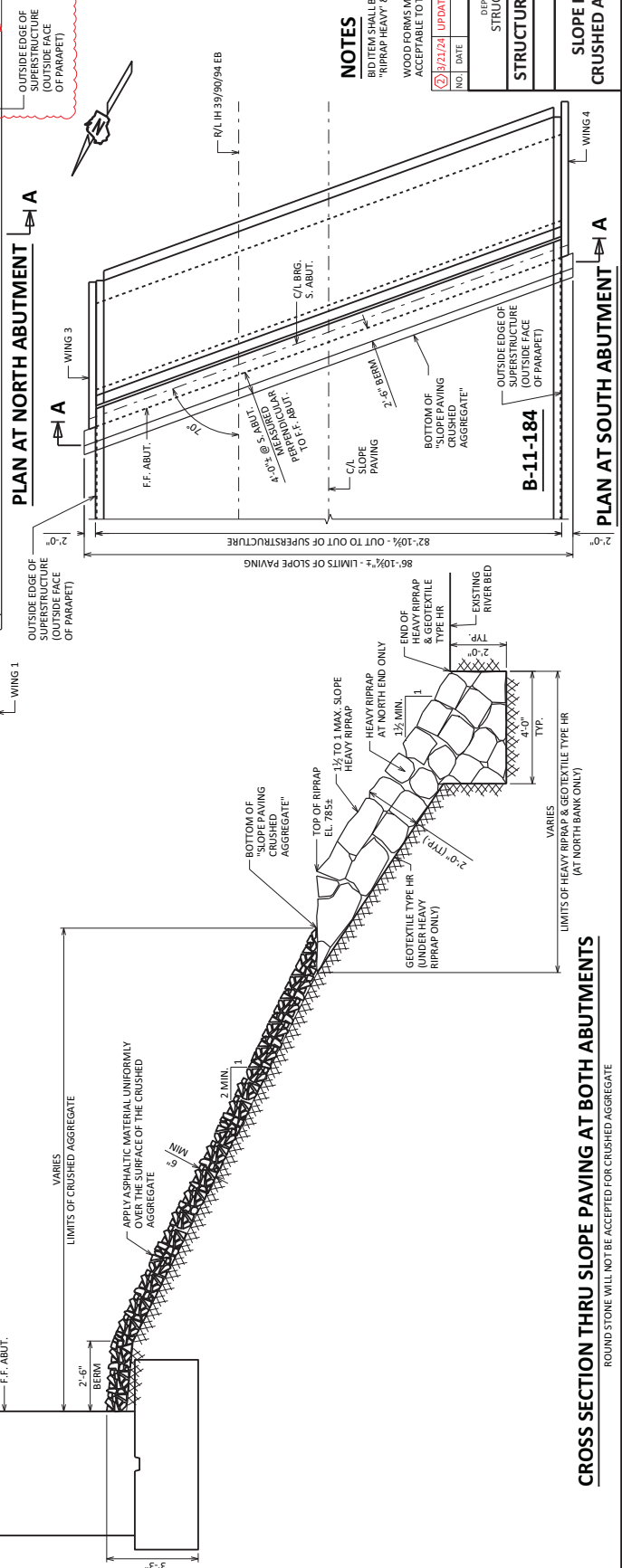
03/22/24

STATE PROJECT NUMBER  
**1010-10-82**



Addendum No. 02  
ID 1010-10-82  
Revised Sheet 833  
March 27, 2024

**SECTION A-A**



**CROSS SECTION THRU SLOPE PAVING AT BOTH ABUTMENTS**  
ROUND STONE WILL NOT BE ACCEPTED FOR CRUSHED AGGREGATE

**NOTES**  
 BID ITEM SHALL BE "SLOPE PAVING CRUSHED AGGREGATE", "RIPRAP HEAVY" & "GEOTEXTILE FABRIC TYPE HR".  
 WOOD FORMS MAY BE LET IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.  
 03/22/24  
 8

NO.	DATE	REVISION	BY
1	03/21/24	UPDATED RIPRAP	JPH

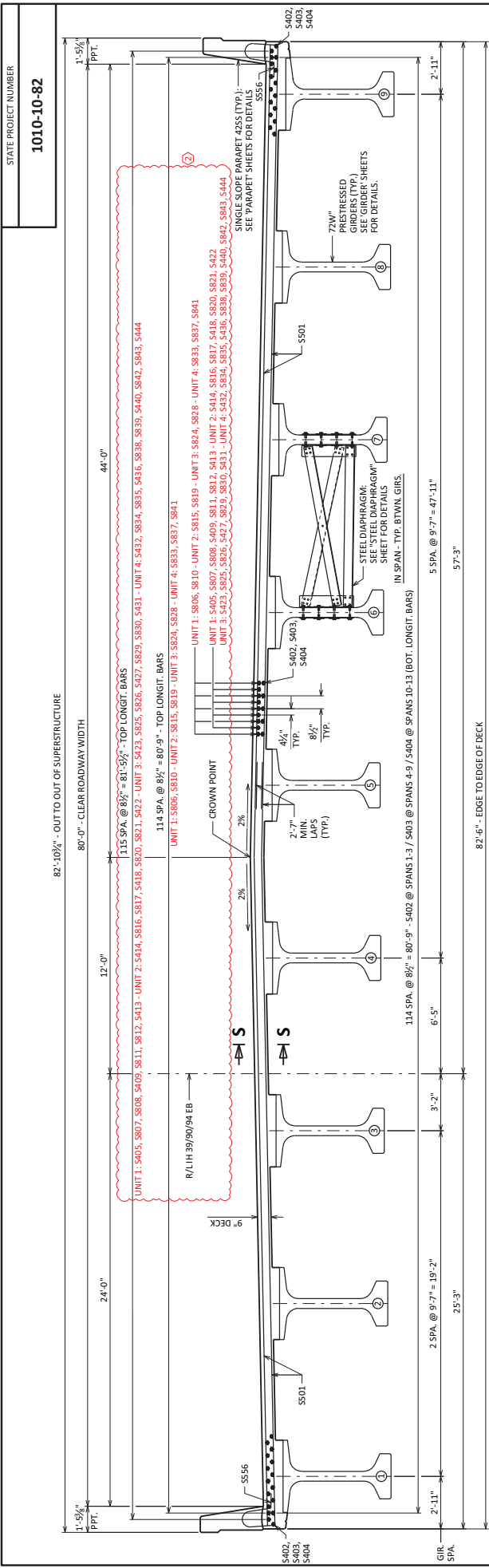
  

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
STRUCTURES DESIGN SECTION	
STRUCTURE	B-11-184
DESIGNED BY	JPH
CHECKED BY	ACT

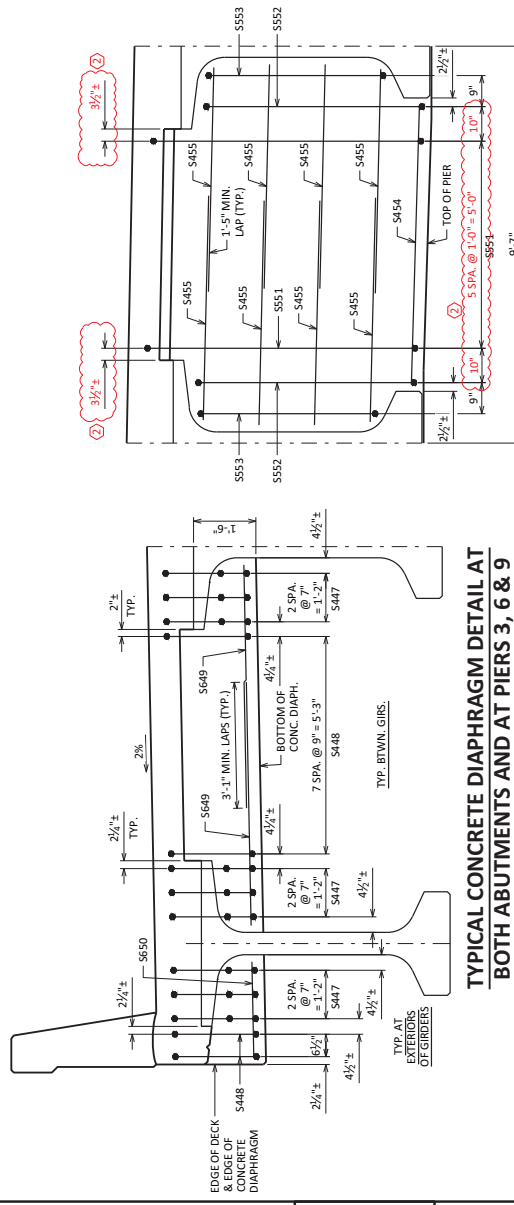
  

SHEET	61
833	



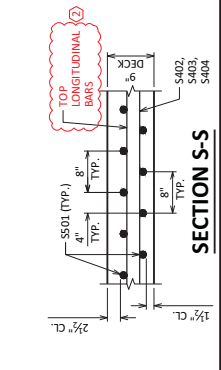


**CROSS SECTION THRU BRIDGE LOOKING SOUTH**



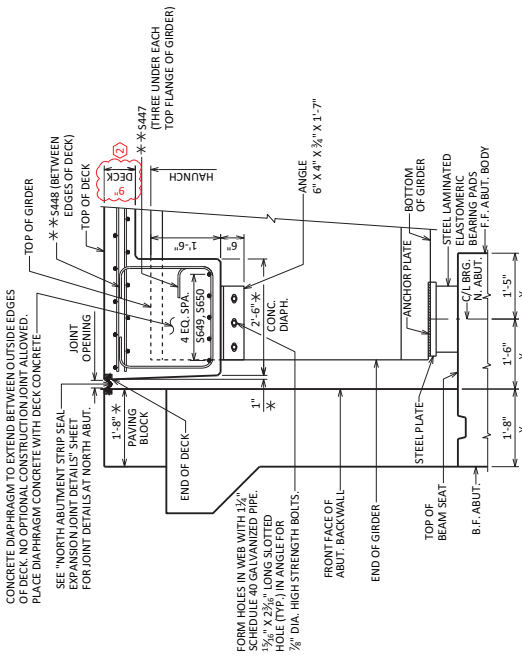
**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 843**  
**March 27, 2024**

STATE PROJECT NUMBER <b>1010-10-82</b>	
NO.	DATE
②	3/27/24
REVISIONS, NOTES & REBAR	
BY	JPH
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION	
STRUCTURE <b>B-11-184</b>	
DESIGNED BY	JLR
CHECKED BY	JLR
SUPERSTRUCTURE CROSS SECTIONS	
SHEET 71	
<b>843</b>	

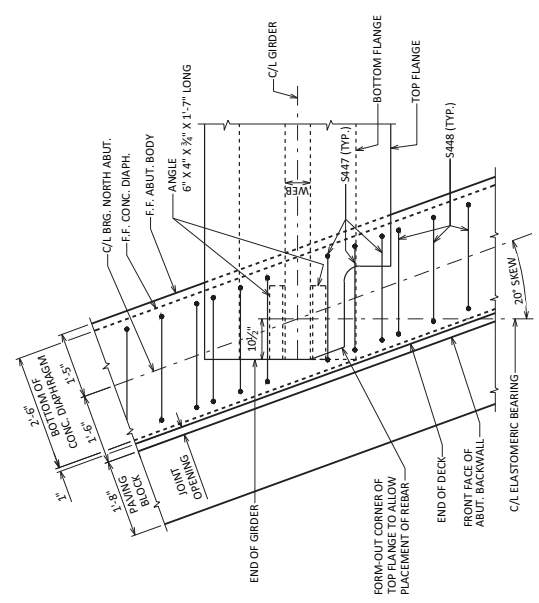


**SECTION S-S**

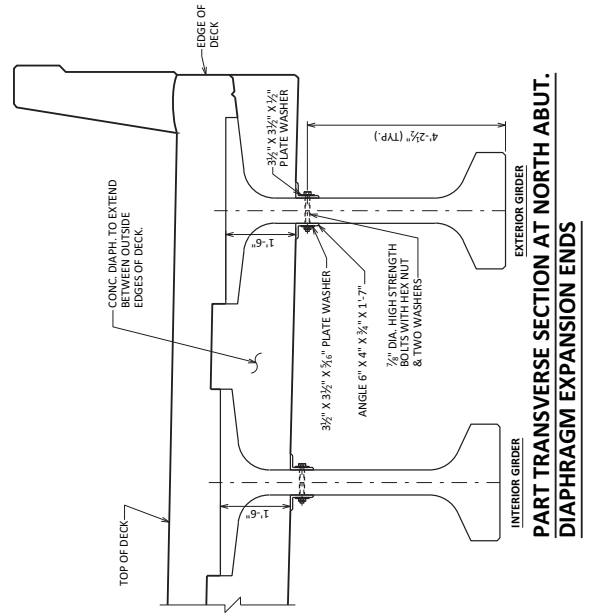
Addendum No. 02  
ID 1010-10-82  
Revised Sheet 844  
March 27, 2024



CROSS SECTION AT NORTH ABUTMENT DIAPHRAGM (EXPANSION)



PLAN VIEW OF NORTH ABUT. DIAPHRAGM

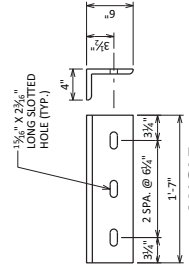


PART TRANSVERSE SECTION AT NORTH ABUT. DIAPHRAGM EXPANSION ENDS

\* DIMENSION IS PERPENDICULAR TO C/L SUBSTRUCTURE UNITS.  
\*\* DIMENSION IS TAKEN PARALLEL TO C/L GIRDERS. BARS PLACED PARALLEL TO C/L GIRDERS AND SPACED PERPENDICULAR TO C/L GIRDERS.

**NOTES**

- ALL DIAPHRAGM SUPPORT HARDWARE SHALL BE INCIDENTAL TO "CONCRETE MASONRY BRIDGES".
- DIAPHRAGM SUPPORT ANGLES SHALL BE ASTM A709 GRADE 36. WASHERS SHALL BE GALVANIZED AFTER FABRICATION.
- STEEL DIAPHRAGM SUPPORT ANGLE TO CONCRETE WEB CONNECTION SHALL BE 5/16" X 2 3/8" X 1/2" PLATE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



PROVIDE 3/4" X 3/4" X 3/8" PLATE WASHERS AT ALL LOCATIONS EXCEPT AT EXTERIOR FACES OF EXTERIOR GIRDERS WHERE 3/4" X 3/4" X 1/2" PLATE WASHERS SHALL BE PROVIDED.

8  
03/22/24

NO.	DATE	REVISION	BY
3/21/24		DECK THICKNESS	JPH

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE B-11-184

DESIGNED BY JPH  
CHECKED BY JLR

SHEET 72  
SUPERSTRUCTURE  
DETAILS 1  
844





**LEGEND**

- 1 MODULAR EXPANSION JOINT DEVICE: 2 CELLS @ S. ABUT., 3 CELLS @ PIERS
- 2 1/2" PLATE, ONE PER GIRDER MIN. PROVIDE 2 - 1" X 2" MIN. SLOTTED HOLES PLACED HORIZONTALLY FOR NO. 4
- 3 WT 6 X 20 (OR EQUIVALENT) BUILT UP I-SECTION, ONE PER GIRDER, PROVIDE 2 - 1" X 3" MIN. SLOTTED HOLES PLACED VERTICALLY IN WEB OF WT FOR BOLTS NO. 4
- 4 3/4" DIA. HIGH STRENGTH BOLTS WITH NUTS & WASHERS. (A325 GALV.)
- 5 3/4" DIA. THREADED ROD WITH 2 NUTS & WASHERS. GROUT THREADED ROD INTO FIELD DRILLED HOLES. (GALV.)
- 6 SUPPORT BOX ASSEMBLY FOR SUPPORT BAR (SPA. PER MANUFACTURER). FABRICATE BOX FROM 3/8" PLATE
- 7 3/4" BULKHEAD PLATE, WELD TO NO. 1, NO. 8 AND NO. 14. WHEN CONDUIT IS PRESENT IN PARAPET, ACCOMMODATE FOR BY PROVIDING OPENING IN NO. 7
- 8 INSIDE PLATE: FABRICATE FROM 3/8" PLATE
- 9 OUTSIDE PLATE: FABRICATE FROM 3/8" PLATE
- 10 3/4" SQUARE BAR, WELD TO NO. 8 AS SHOWN
- 11 3/4" DIA. X 4" LONG STUDS, WELD TO NO. 8, NO. 7 & NO. 14 AS SHOWN
- 12 3/4" DIA. X 2" STAINLESS STEEL FLAT CTSK SLOTTED HEAD CAP SCREWS WITH ANTI-SIZE LUBRICANT, RECESS 3/8" BELOW PLATE SURFACE
- 13 1/2" PLATE WITH 5/8" DIA. LOOP ANCHOR FABRICATED AS SHOWN, SPACED AT MANUFACTURER'S SPEC.
- 14 INSIDE PLATE: FABRICATE FROM 3/8" PLATE
- 15 ADHESIVE BUTTON. SEE DETAIL SET IN OUTSIDE PLATE

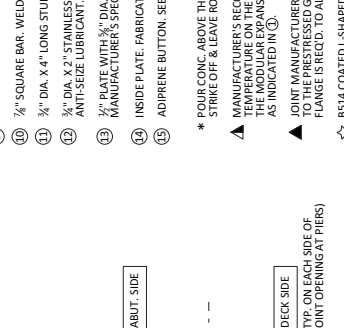
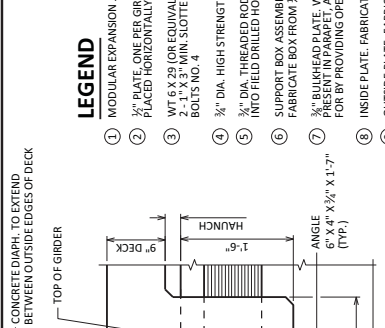
\* FOUR CONC. ABOVE THIS JOINT AFTER SUPERSTRUCTURE CONC. IS IN PLACE. SHIRK OFF & LEAVE TROUGH.

▲ MANUFACTURER'S RECOMMENDED JOINT OPENING BASED ON THE PERMITTED RANGE OF PLACEMENT OF THE EXPANSION JOINT. THE PERMITTED RANGE OF PLACEMENT OF THE EXPANSION JOINT SHALL HAVE THE NUMBER OF CELLS AS INDICATED IN (1).

▲ JOINT MANUFACTURER SHALL INFORM AND PROVIDE NECESSARY DETAILS TO THE PRESTRESSED GIRDER FABRICATOR, WHEN FORM OUT OF THE TOP FLANGE IS REQ'D TO ALLOW PLACEMENT OF SUPPORT BOX ASSEMBLY.

☆ BSA COATED L-SHAPED BARS, "ADHESIVE ANCHORS NO. 5 BAR". PLACE ADHESIVE ANCHORS AFTER JOINT SUPPORT SYSTEM IS IN PLACE. PROVIDE DRILLING HOLES IN TO REINFORCEMENT.

➡ BS15 COATED BARS, 8'-3" LONG WITH 1'-0" MIN. LAPS. CUT IN FIELD TO CLEAR JOINT SUPPORT SYSTEM AS REQUIRED.



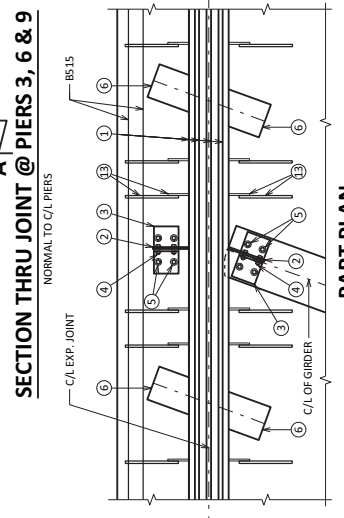
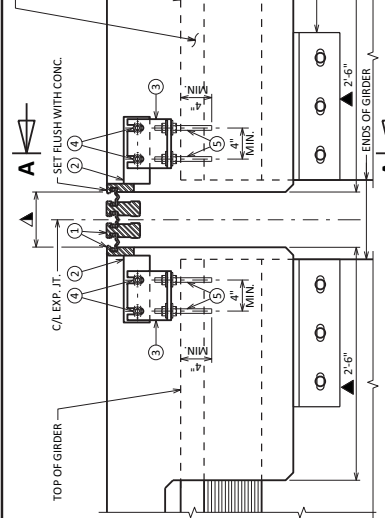
**TEMP. TABLE @ S. ABUT.**  
TEMPERATURE TABLE FOR SETTING JOINT OPENING TO BE DETERMINED BY JOINT MANUFACTURER WITH THE FOLLOWING DESIGN DATA:

1. 0.21 IN. OF MOVEMENT PER 10' F
2. TEMP. RANGE IN TABLE FROM (5 F) TO (85 F)
3. ADJUST INITIAL JOINT OPENINGS BY A REDUCTION OF 1.0 IN., WHICH ACCOUNTS FOR SHRINKAGE (GREEN) OF THE SUPERSTRUCTURE OVER TIME, TO PRODUCE FINAL JOINT OPENINGS FOR TABLE.

**TEMP. TABLE @ PIERS**  
TEMPERATURE TABLE FOR SETTING JOINT OPENINGS TO BE DETERMINED BY JOINT MANUFACTURER WITH THE FOLLOWING DESIGN DATA:

1. 0.36 IN. (@ PIERS 3&6) AND 0.41 IN. (@ PIER 9) OF MOVEMENT PER 10' F
2. TEMP. RANGE IN TABLE FROM (5 F) TO (85 F)
3. ADJUST INITIAL JOINT OPENINGS BY A REDUCTION OF 1.70 IN. (@ PIERS 3&6) AND 1.9 IN. (@ PIER 9), WHICH ACCOUNTS FOR SHRINKAGE (GREEN) OF THE SUPERSTRUCTURE OVER TIME, TO PRODUCE FINAL JOINT OPENINGS FOR TABLE.

A TABLE OF JOINT OPENINGS BASED ON ABOVE DATA SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.



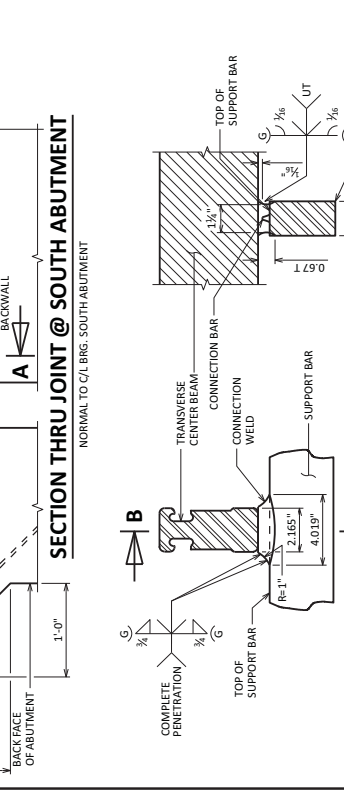
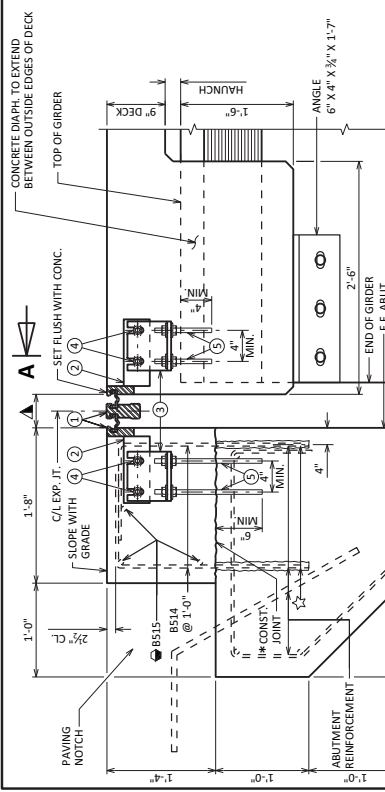
**TEMP. TABLE @ S. ABUT.**  
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NO.	DATE	SYMBOL	REVISION	BY
1		3/21/24	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION	JLR
STRUCTURE			B-11-184	
MODULAR EXPANSION JOINT DETAILS				
SHEET 76			848	

03/22/24

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 848**  
**March 27, 2024**

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SCALE = 2.00

SCALE = 2.00

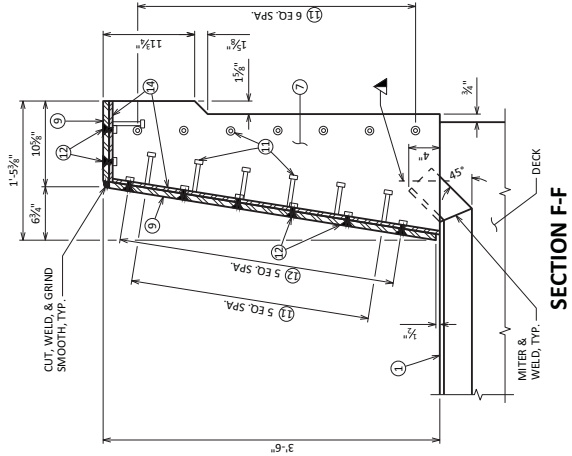
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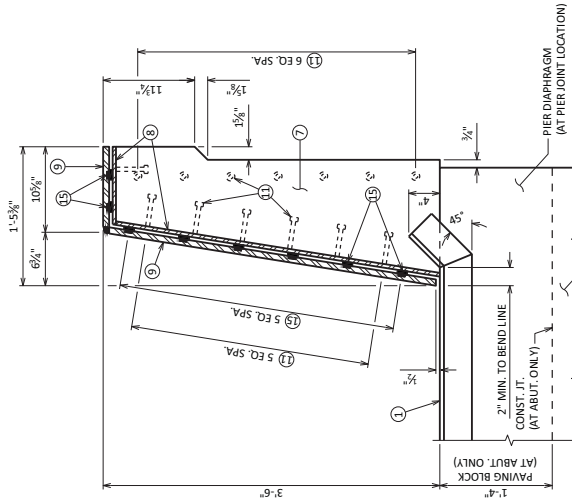
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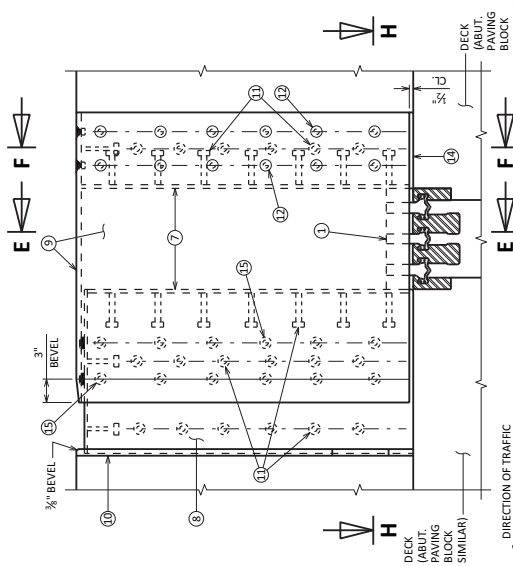
Addendum No. 02  
ID 1010-10-82  
Revised Sheet 849  
March 27, 2024



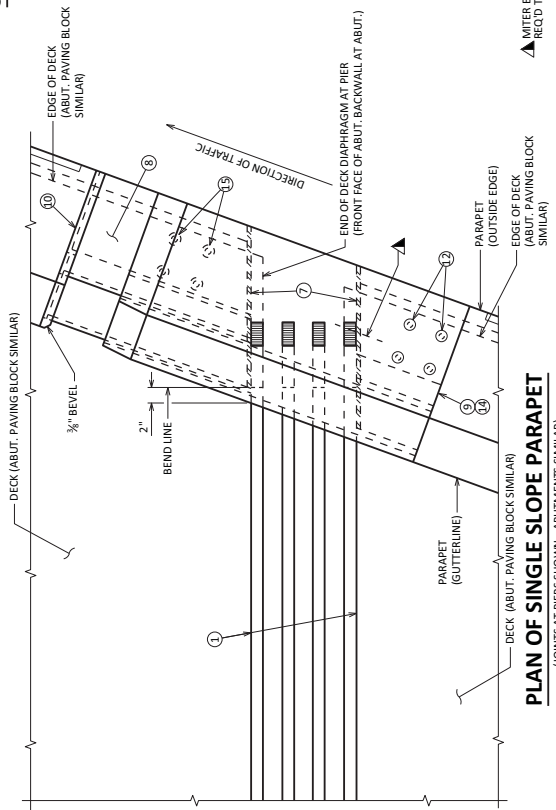
SECTION F-F



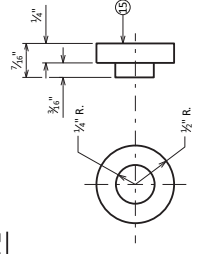
SECTION E-E



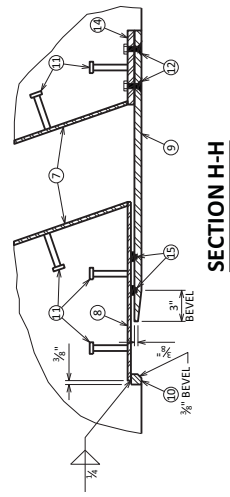
ELEVATION OF SINGLE SLOPE PARAPET



PLAN OF SINGLE SLOPE PARAPET



ADIPRENE BUTTON DETAIL



SECTION H-H

LEGEND

- 1 MODULAR EXPANSION JOINT DEVICE (CELLS @ 5' ABUT; 3 CELLS @ PIERS)
- 2 BULKHEAD PLATE, WELD TO NO. 1, NO. 8 AND NO. 14. WHEN CONDUITS ARE PRESENT IN PARAPET OR SIDEWALK, ACCOMMODATE FOR BY PROVIDING OPENING IN NO. 7
- 3 INSIDE PLATE, FABRICATE FROM 3/8" PLATE
- 4 OUTSIDE PLATE, FABRICATE FROM 3/8" PLATE
- 5 3/8" SQUARE BAR, WELD TO NO. 8 AS SHOWN
- 6 3/8" DIA. X 4" LONG STUDS, WELD TO NO. 8, NO. 7 & NO. 14 AS SHOWN
- 7 3/8" DIA. X 2" STAINLESS STEEL FLAT CTSK. SLOTTED HEAD CAP SCREWS WITH ANTI-SEIZE LUBRICANT. RECESS 3/8" BELOW PLATE SURFACE
- 8 INSIDE PLATE, FABRICATE FROM 3/8" PLATE
- 9 ADIPRENE BUTTON, SEE DETAIL, SET IN OUTSIDE PLATE

ADDITIONAL NOTES

- 1 CUT, WELD, & GRIND SMOOTH, TYP.
- 2 MITER & WELD, TYP.
- 3 2" MIN. TO BEND LINE (AT ABUT. ONLY)
- 4 CONST. JT. (AT ABUT. ONLY)
- 5 PIER DIAPHRAGM (AT PIER JOINT LOCATION)
- 6 ABUT. BACKWALL (AT ABUT. JOINT LOCATION)
- 7 EDGE OF DECK (ABUT. PAVING BLOCK SIMILAR)
- 8 END OF DECK DIAPHRAGM AT PIER (FRONT FACE OF ABUT. BACKWALL AT ABUT.)
- 9 PARAPET (OUTSIDE EDGE)
- 10 EDGE OF DECK (ABUT. PAVING BLOCK SIMILAR)
- 11 PARAPET (GUTTERLINE)
- 12 DECK (ABUT. PAVING BLOCK SIMILAR)
- 13 DECK (ABUT. PAVING BLOCK SIMILAR)
- 14 JOINTS AT PIERS SHOWN - ABUTMENTS SIMILAR
- 15 JOINTS AT PIERS SHOWN - ABUTMENTS SIMILAR

EXPANSION DEVICE NOTE

NO.	DATE	REVISION	BY
1	03/22/24	EXPANSION DEVICE NOTE	JPH

STRUCTURE B-11-184

NO.	DATE	REVISION	BY
1	03/22/24	EXPANSION DEVICE NOTE	JPH

PARAPET COVER PLATE DETAILS FOR MODULAR EXP. JOINTS

NO.	DATE	REVISION	BY
1	03/22/24	EXPANSION DEVICE NOTE	JPH

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION

NO.	DATE	REVISION	BY
1	03/22/24	EXPANSION DEVICE NOTE	JPH

SCALE = 2.00

NO.	DATE	REVISION	BY
1	03/22/24	EXPANSION DEVICE NOTE	JPH

SHEET 77

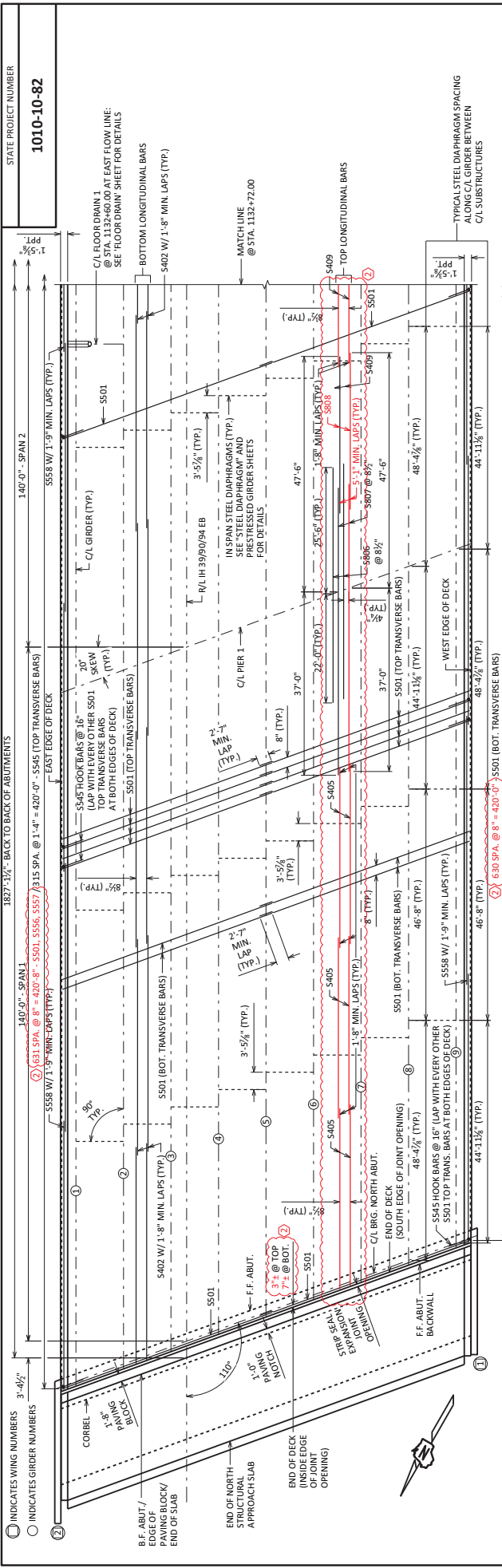
NO.	DATE	REVISION	BY
1	03/22/24	EXPANSION DEVICE NOTE	JPH

849

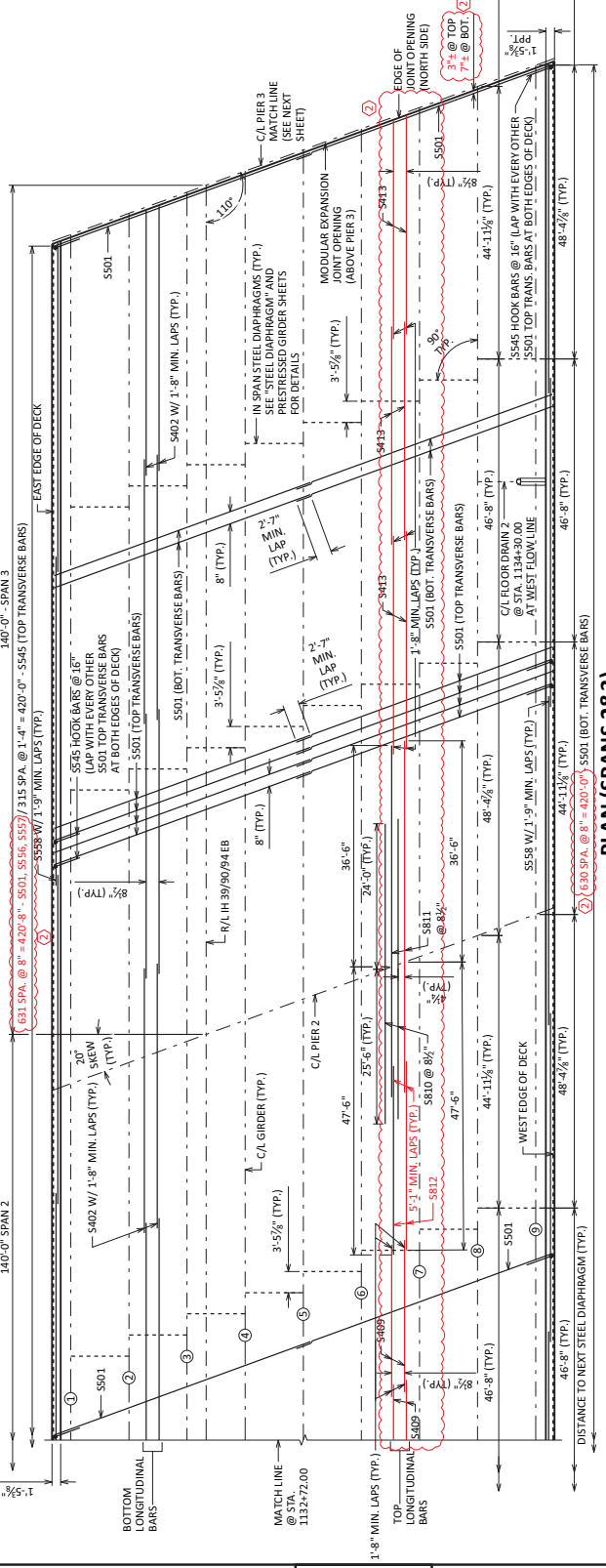
NO.	DATE	REVISION	BY
1	03/22/24	EXPANSION DEVICE NOTE	JPH



**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 850**  
**March 27, 2024**



**PLAN (SPANS 1&2)**



**PLAN (SPANS 2&3)**

STATE PROJECT NUMBER  
**1010-10-82**

NO.	DATE	REVISION	BY
2	3/21/24	DIMENSIONS & LONGIT. BARS	PH

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

**STRUCTURE B-11-184**  
DESIGNED BY JLR  
CHECKED BY JLR

**SUPERSTRUCTURE PLAN - SPANS 1-3 (UNIT 1)**  
SHEET 78  
**850**

8

8

SCALE = 20

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 851  
March 27, 2024

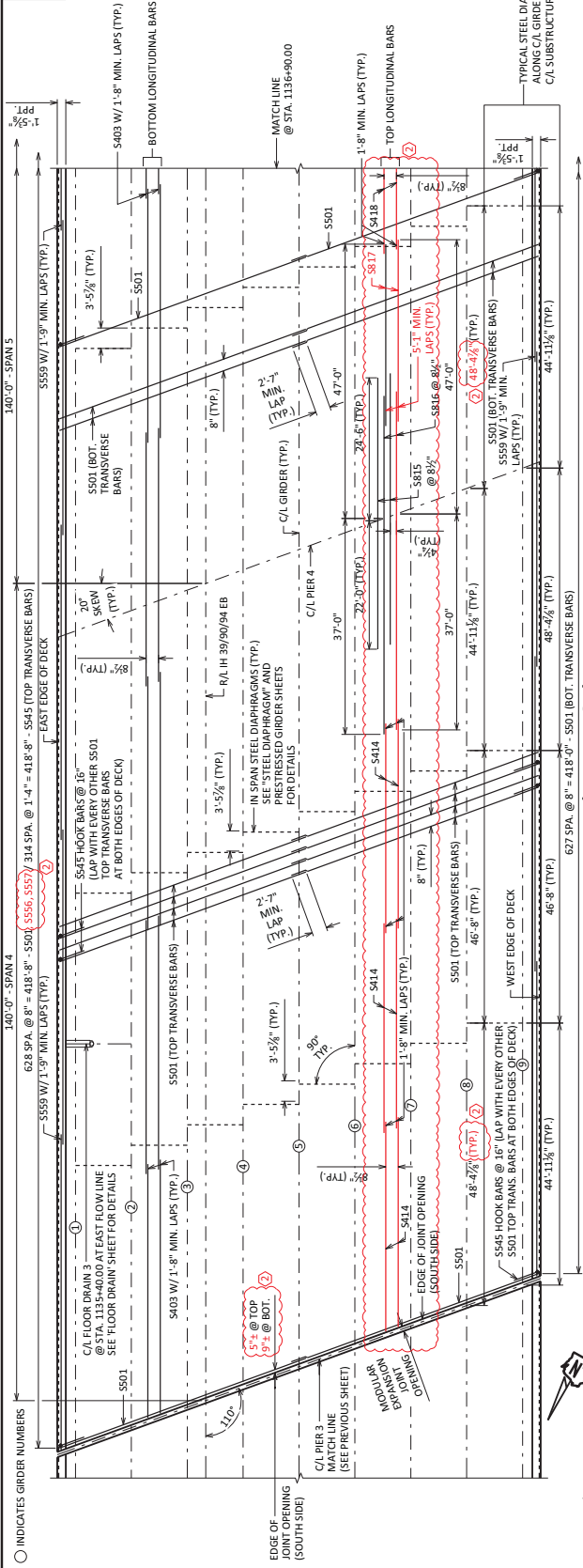
TYPICAL STEEL DIAPHRAGM SPACING  
ALONG C/L GIBBER BETWEEN  
C/L SUBSTRUCTURES

NO.	DATE	REVISION	BY
2	3/21/24	DIMENSIONS & LONGIT. BARS	PH

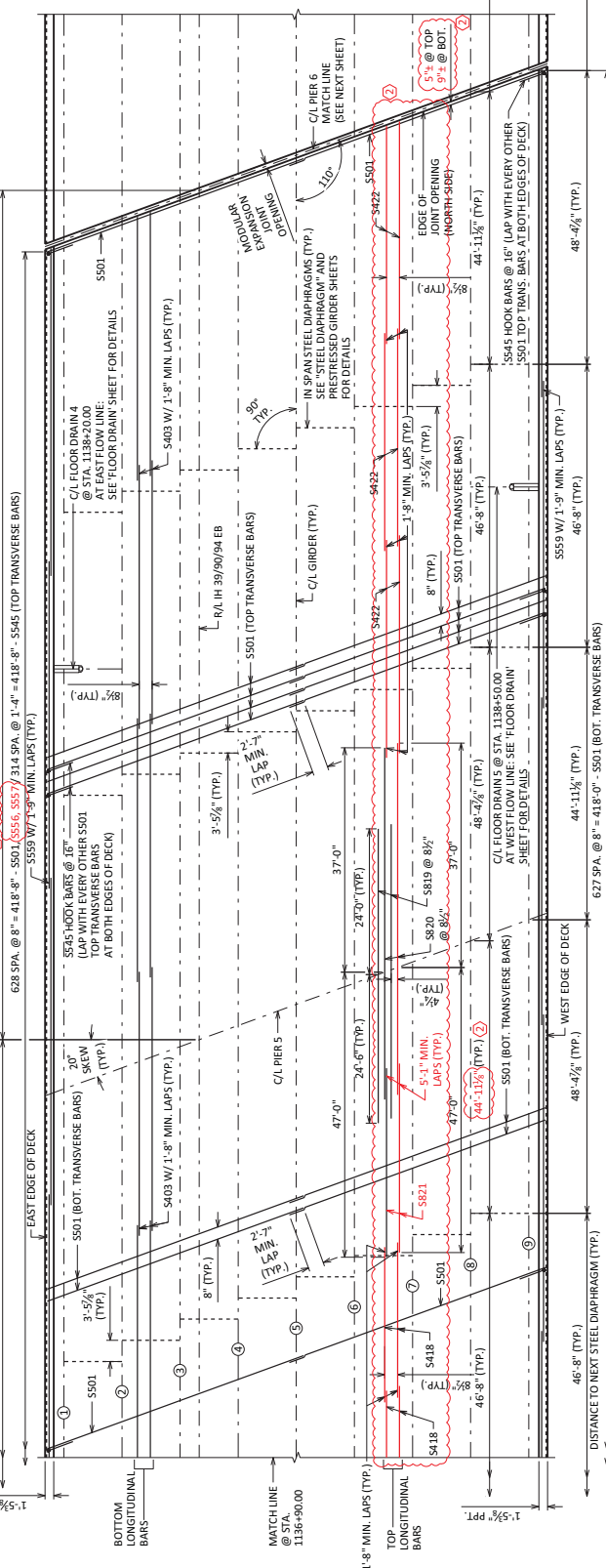
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE B-11-184  
SUPERSTRUCTURE PLAN - SPANS 4-6 (UNIT 2)

DESIGNED BY JLR  
CHECKED BY JLR  
DATE 7/9



PLAN (SPANS 4&5)



PLAN (SPANS 5&6)

INDICATES GIRDER NUMBERS

Addendum No. 02  
 ID 1010-10-82  
 Revised Sheet 852  
 March 27, 2024

STATE PROJECT NUMBER  
**1010-10-82**

8

03/22/24

NO.	DATE	REVISION	BY
2	3/21/24	DIMENSIONS & LONGIT. BARS	JPH

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION  
 STRUCTURES DESIGN SECTION

STRUCTURE **B-11-184**

SUPERSTRUCTURE  
 PLAN - SPANS 7-9  
 (UNIT 3)

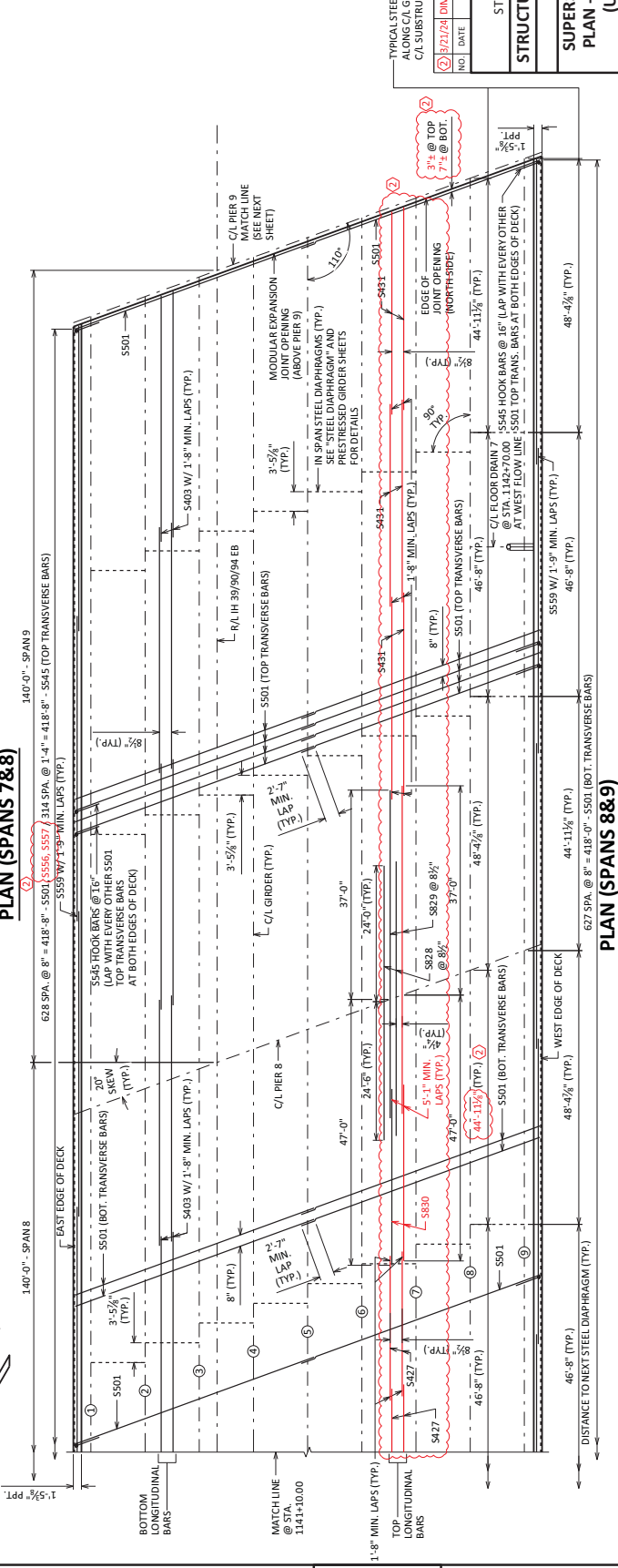
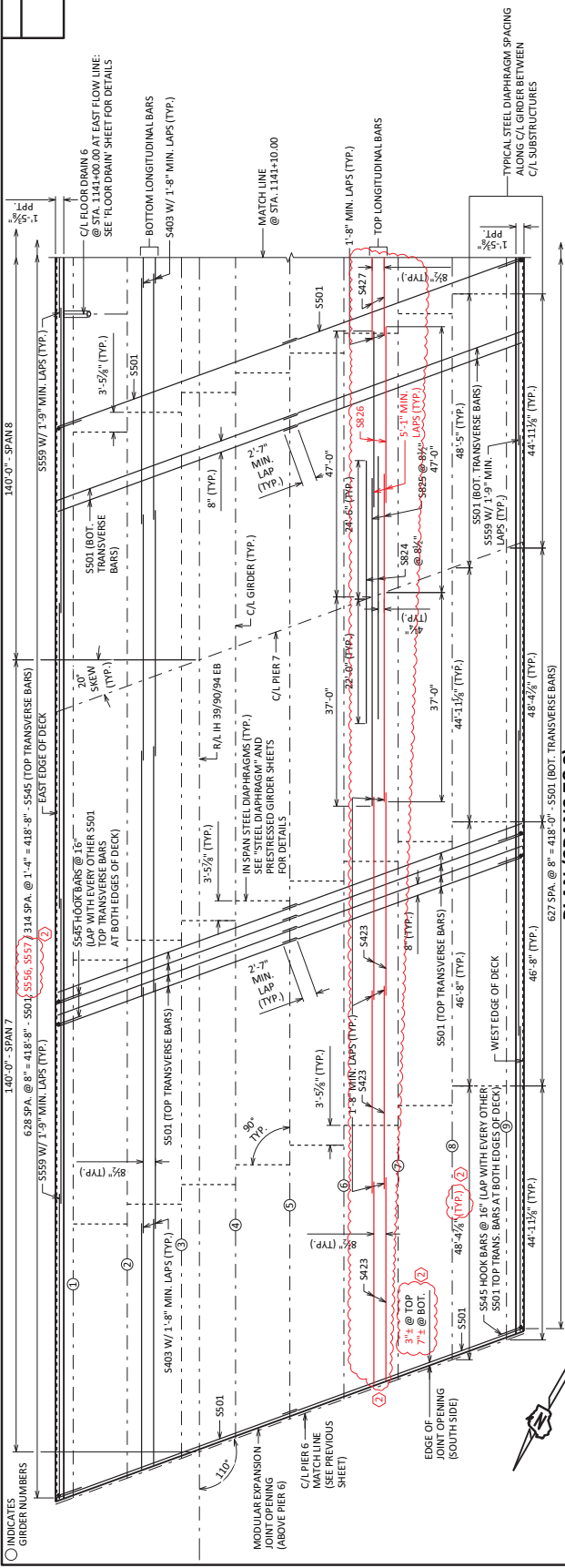
DESIGNED BY  
 JLR

CHECKED BY  
 JLR

SHEET 80

852

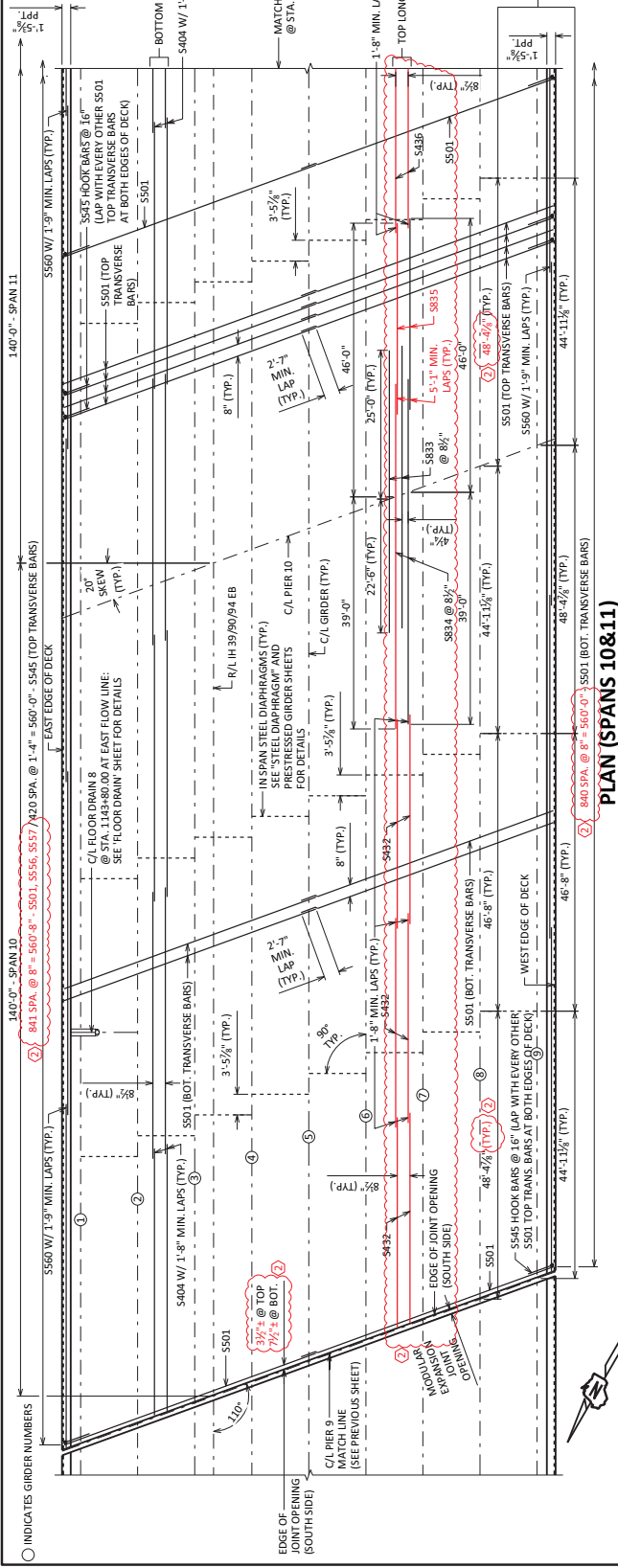
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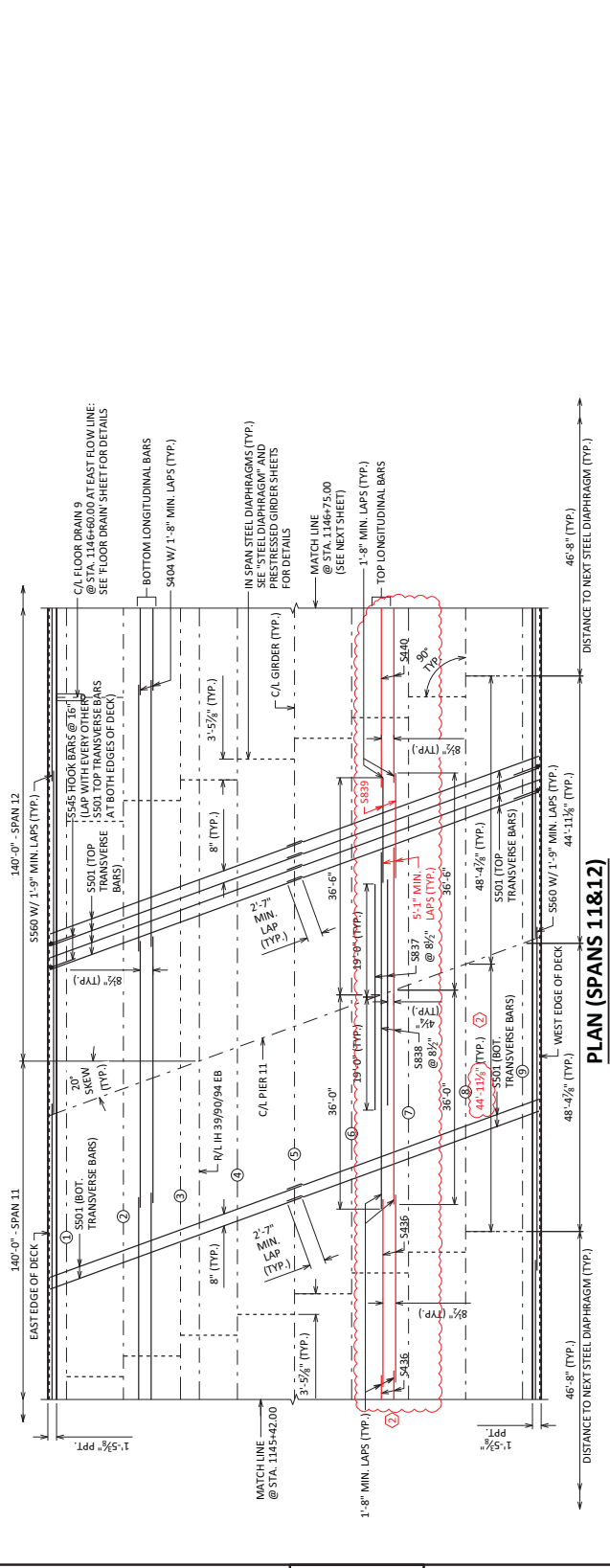
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Addendum No. 02  
ID 1010-10-82  
Revised Sheet 853  
March 27, 2024

② 3/21/24	REVISION	JPH	BY
	DIMENSIONS & LONGIT. BARS		
	DATE		
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE <b>B-11-184</b>			
DESIGNED BY: JLR CHECKED BY: JPH			
SUPERSTRUCTURE PLAN - SPANS 10-12 (UNIT 4)			
			SHEET 81 <b>853</b>



**PLAN (SPANS 10&11)**

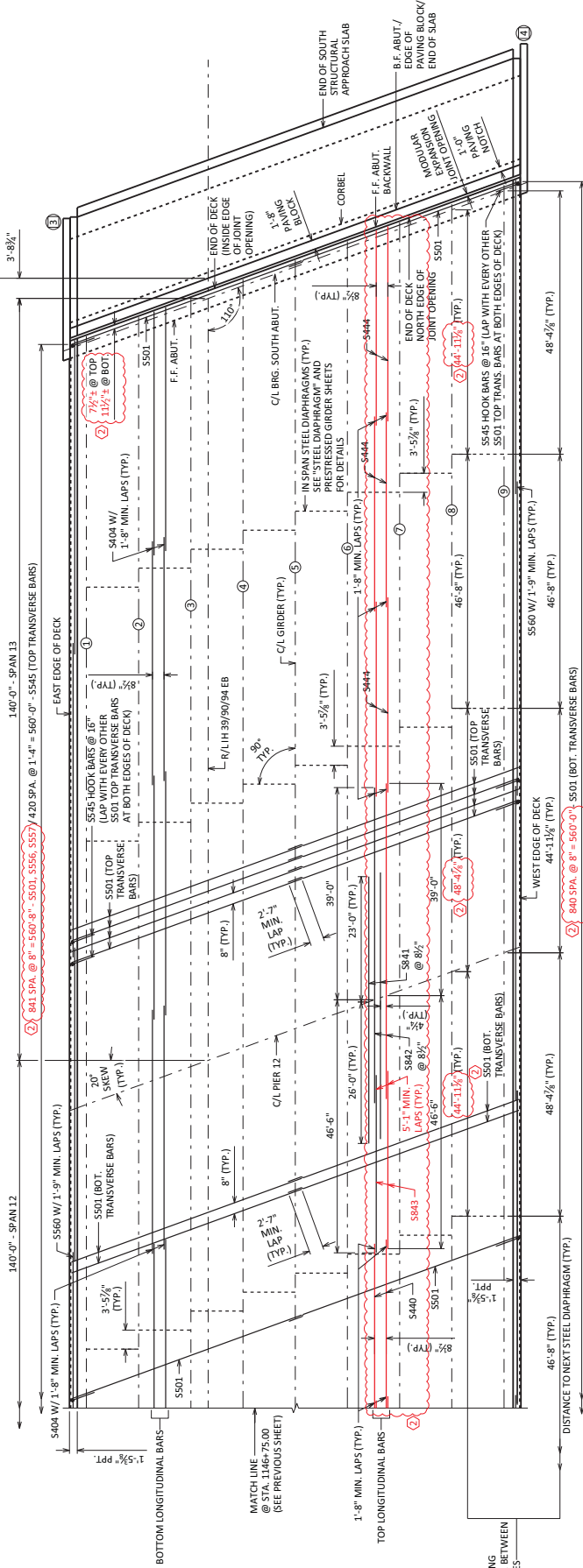


**PLAN (SPANS 11&12)**

STATE PROJECT NUMBER

1010-10-82

1827'-1 1/4" - BACK TO BACK OF ABUTMENTS



PLAN (SPANS 12&13)

○ INDICATES WING NUMBERS  
 ○ INDICATES GIRDER NUMBERS

Addendum No. 02  
 ID 1010-10-82  
 Revised Sheet 854  
 March 27, 2024

3/21/24	REVISION	JPH
NO.	DATE	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION		
STRUCTURE B-11-184		
DESIGNED BY	CHKD BY	JLR
SUPERSTRUCTURE PLAN - SPANS 12-13 (UNIT 4)		
SHEET 82		854

SCALE

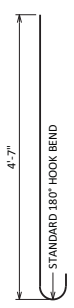


**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 857**  
**March 27, 2024**

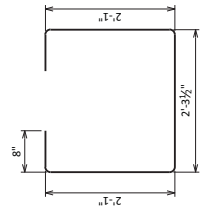
**BILL OF BARS**

NOTE: THE FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

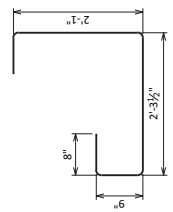
BAR MARK	NO. REQD.	LENGTH	BAR SERIES	LOCATION	UNIT
S501	X	10920	45-1"	DECK TOP & BOTTOM-HORIZONTAL-TRANSVERSE-END TO END	ALL
S402	X	1170	43-8"	DECK-BOT.-LONGITUDINAL-AT SPANS 1-3	1
S403	X	2340	43-6"	DECK-BOT.-HORIZ.-LONGIT.-AT SPANS 4-9	2,3
S404	X	1521	44-10"	DECK-BOT.-HORIZ.-LONGIT.-AT SPANS 10-13	4
S405	X	348	36-6"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 1	1
S806	X	115	47-6"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 1	1
S807	X	116	58-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 1	1
S808	X	116	31-8"	DECK-TOP-HORIZ.-LONGIT.-AT PIER 1/SPAN 2	1
S409	X	232	26-5 1/2"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 2	1
S810	X	115	49-6"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 2	1
S811	X	116	58-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 2	1
S812	X	116	31-2"	DECK-TOP-HORIZ.-LONGIT.-AT PIER 2/SPAN 2	1
S413	X	348	36-0"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 3	1
S414	X	348	35-11"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 4	2
S815	X	115	46-6"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 4	2
S816	X	116	58-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 4	2
S817	X	116	31-2"	DECK-TOP-HORIZ.-LONGIT.-AT PIER 4/SPAN 5	2
S418	X	232	25-7"	DECK-TOP-HORIZ.-LONGIT.-AT SPANS	2
S819	X	115	48-6"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 5	2
S820	X	116	58-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 5	2
S821	X	116	31-2"	DECK-TOP-HORIZ.-LONGIT.-AT PIER 5/SPAN 5	2
S422	X	348	35-11"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 6	2
S423	X	348	35-11"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 7	3
S824	X	115	46-6"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 7	3
S825	X	116	58-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 7	3
S826	X	116	31-2"	DECK-TOP-HORIZ.-LONGIT.-AT PIER 7/SPAN 8	3
S427	X	232	25-7"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 8	3
S828	X	115	48-6"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 8	3
S829	X	116	58-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 8	3
S830	X	116	31-2"	DECK-TOP-HORIZ.-LONGIT.-AT PIER 8/SPAN 8	3
S431	X	348	35-10"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 9	3
S432	X	348	35-5 3/4"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 10	3
S833	X	115	47-6"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 10	4
S834	X	116	58-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 10	4
S835	X	116	32-2"	DECK-TOP-HORIZ.-LONGIT.-AT PIER 10/SPAN 11	4
S436	X	232	31-7"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 11	4
S837	X	115	38-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 11	4
S838	X	116	60-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 11	4
S839	X	116	17-8"	DECK-TOP-HORIZ.-LONGIT.-AT PIER 11/SPAN 12	4
S440	X	232	31-5 1/2"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 12	4
S841	X	115	49-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 12	4
S842	X	116	58-0"	DECK-TOP-HORIZ.-LONGIT.-OVER PIER 12	4
S843	X	116	32-8"	DECK-TOP-HORIZ.-LONGIT.-AT PIER 12/SPAN 12	4
S444	X	348	35-10"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 13	4
S545	X	2734	5-2"	DECK-TOP-VERTICAL-TRANSVERSE-BOTH EDGES-END TO END	ALL
S546	X	63	5-0"	NORTH & SOUTH ABUTMENTS AND PIERS 3, 6&8 DIAPHRAGMS/DECK-VERT.-UNDER GIRDER FLANGES	ALL
S447	X	432	6-2"	DECK-TOP-HORIZ.-LONGIT.-AT SPAN 13	ALL
S448	X	544	7-6"	NORTH & SOUTH ABUTMENTS AND PIERS 3, 6&8 DIAPHRAGMS/DECK-VERT.-BTWN. EDGES OF DECK	ALL
S669	X	640	6-3"	NORTH & SOUTH ABUTMENTS AND PIERS 3, 6&8 DIAPHRAGMS-BOT.-HORIZ.-BTWN. GIRDERS	ALL
S690	X	80	2-5"	NORTH & SOUTH ABUTMENTS AND PIERS 3, 6&8 DIAPHRAGMS-BOT.-HORIZ.-AT EXTEND OF GHS.	ALL
S551	X	432	16-8"	PIERS 1,2,4,5,7,8,10,11&12 DIAPHRAGMS/DECK-VERT.-BTWN. GIR. FLANGES	ALL
S552	X	144	15-11"	PIERS 1,2,4,5,7,8,10,11&12 DIAPHRAGMS-VERT.-UNDER GIR. FLANGES STIRRUPS	ALL
S553	X	144	13-11"	PIERS 1,2,4,5,7,8,10,11&12 DIAPHRAGMS-VERT.-UNDER GIR. FLANGES STIRRUPS	ALL
S454	X	144	7-2"	PIERS 1,2,4,5,7,8,10,11&12 DIAPHRAGMS-BOT.-HORIZ.-BOTH FACES-BTWN. GIRDERS	ALL
S455	X	115	51-5"	PIERS 1,2,4,5,7,8,10,11&12 DIAPHRAGMS-BOT.-HORIZ.-BOTH FACES-BTWN. GIRDERS	ALL
S556	X	5464	4-5"	DECK/PARAPETS-VERT.-TRANSVERSE-END TO END	ALL
S557	X	5464	6-8"	PARAPETS-VERT.-TRANSVERSE-END TO END	ALL
S558	X	128	54-3"	PARAPETS-HORIZ.-LONGIT.-BOTH FACES-AT SPANS 1-3	1
S559	X	256	54-0"	PARAPETS-HORIZ.-LONGIT.-BOTH FACES-AT SPANS 4-9	2,3
S560	X	160	57-9"	PARAPETS-HORIZ.-LONGIT.-BOTH FACES-AT SPANS 10-13	4
S461	X	16	9'-10"	NORTH ABUTMENT DIAPHRAGM/DECK-HORIZ.-TRANSVERSE-BTWN. GIRDERS	1



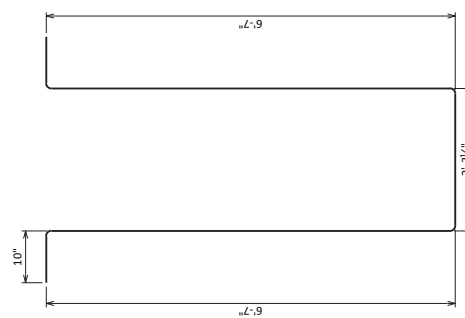
**S545**



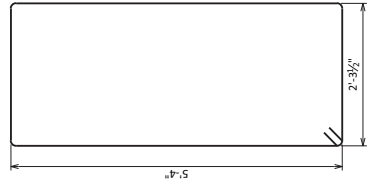
**S448**



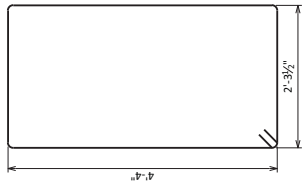
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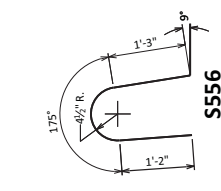
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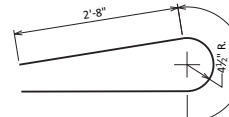
**S552**



**S553**



**S556**



**S557**

*[Signature]*  
03/22/24

NO.	DATE	REVISION	BY
03/22/24		BILL OF BARS	JPH

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
**STRUCTURES DESIGN SECTION**

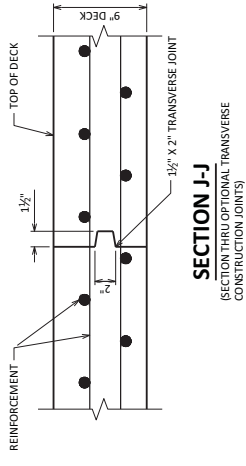
**STRUCTURE B-11-184**  
DESIGNED BY: JPH  
CHECKED BY: JLR

**SUPERSTRUCTURE BAR DETAILS**  
SHEET 85  
**857**



STATE PROJECT NUMBER  
**1010-10-82**

INDICATES POUR NUMBER AND DIRECTION OF POUR



**NOTES**

THE RATE OF PLACING CONCRETE SHALL EQUAL OR EXCEED 1/2 SPAN LENGTH PER HOUR BUT NEED NOT EXCEED 300 CU. YDS. PER HOUR. (REQUIRED ONLY FOR CONTINUOUS STEEL GIRDERS.)

IF OPTIONAL JOINTS ARE PROVIDED, TWO OR MORE SEQUENTIAL POURS MAY BE COMBINED AND PLACED IN ONE CONTINUOUS OPERATION. TWO OR MORE ALTERNATE DECK POURS (E.G. 1 & 3) MAY BE PLACED ON THE SAME DAY.

THE NEXT DECK POUR CAN BE MADE NO LESS THAN 72 HOURS AFTER THE PREVIOUS POUR.

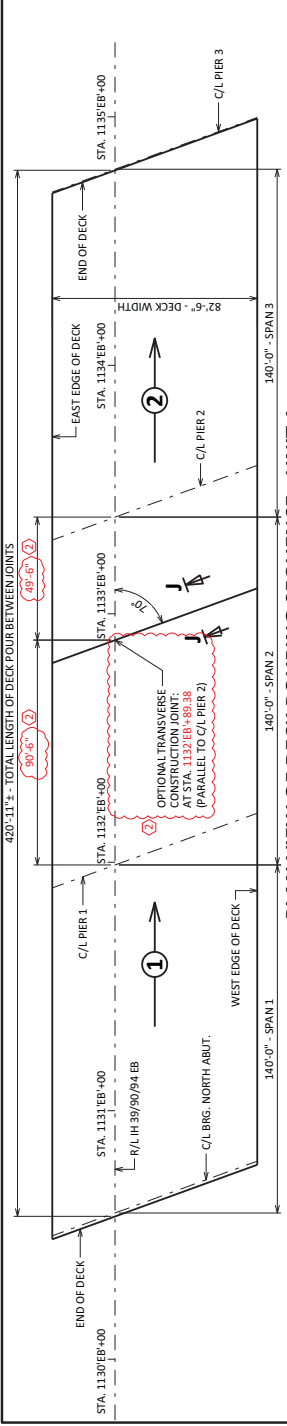
THE CONTRACTOR MAY SUBMIT AN ALTERNATE POURING SEQUENCE SUBJECT TO THE APPROVAL OF THE STRUCTURES DESIGN SECTION.

(NOTE: APPLICABLE WHEN OPTIONAL TRANSVERSE CONSTRUCTION JOINTS ARE SHOWN)

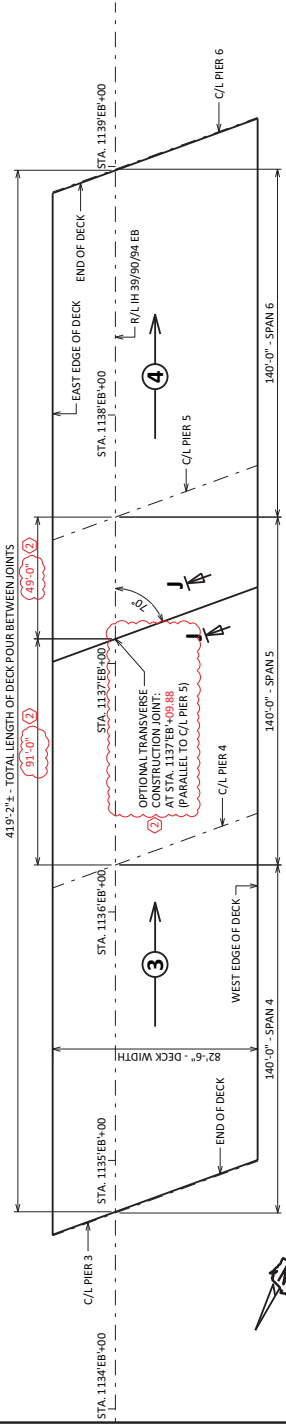
THE CONTRACTOR SHALL POUR THE ENTIRE DECK PER THE DECK POUR SEQUENCE IF REQUIRED TRANSVERSE CONSTRUCTION JOINTS ARE SHOWN ON THE PLANS.

THE CONTRACTOR MAY SUBMIT AN ALTERNATE POURING SEQUENCE SUBJECT TO THE APPROVAL OF THE STRUCTURES DESIGN SECTION.

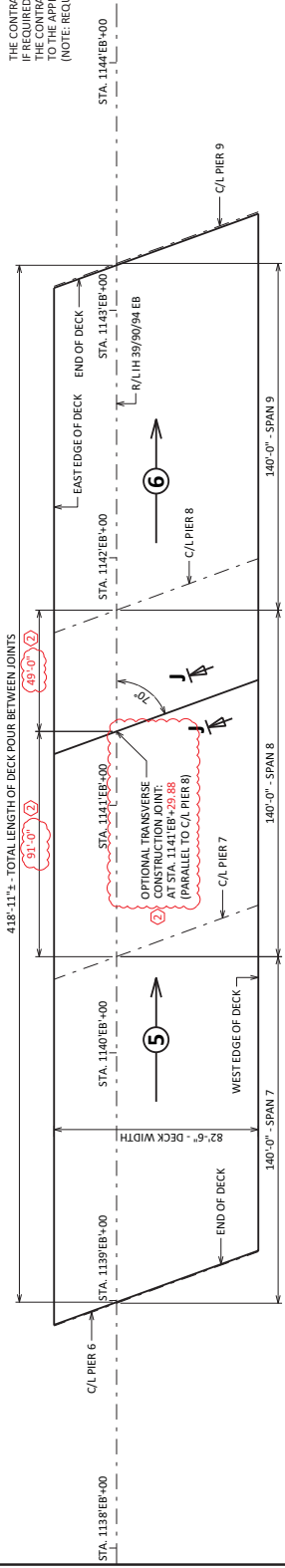
(NOTE: WHEN REQUIRED TRANSVERSE CONSTRUCTION JOINTS ARE SHOWN)



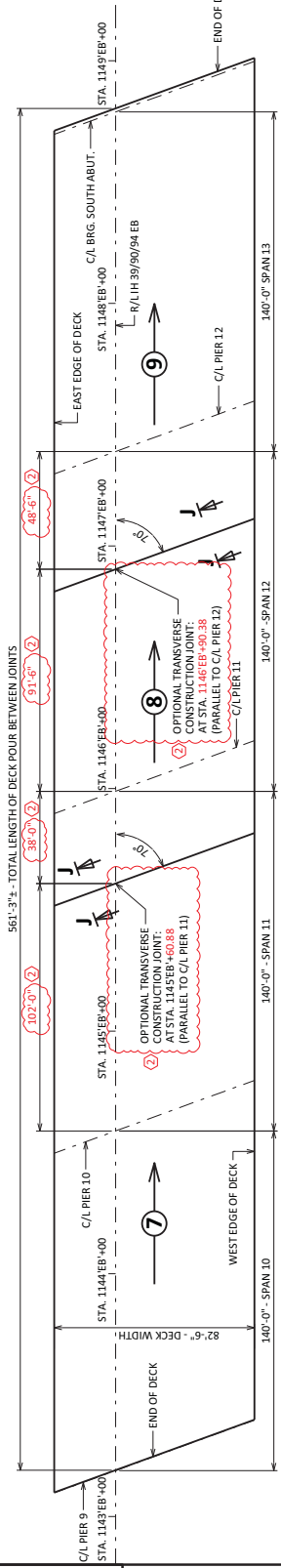
**PLAN VIEW OF DECK POURING SEQUENCE - UNIT 1**  
(SHOWING PLACEMENT OF OPTIONAL TRANSVERSE CONSTRUCTION JOINT FOR NORTH TO SOUTH POUR)



**PLAN VIEW OF DECK POURING SEQUENCE - UNIT 2**  
(SHOWING PLACEMENT OF OPTIONAL TRANSVERSE CONSTRUCTION JOINT FOR NORTH TO SOUTH POUR)



**PLAN VIEW OF DECK POURING SEQUENCE - UNIT 3**  
(SHOWING PLACEMENT OF OPTIONAL TRANSVERSE CONSTRUCTION JOINT FOR NORTH TO SOUTH POUR)



**PLAN VIEW OF DECK POURING SEQUENCE - UNIT 4**  
(SHOWING PLACEMENT OF OPTIONAL TRANSVERSE CONSTRUCTION JOINT FOR NORTH TO SOUTH POUR)

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 858**  
**March 27, 2024**

8  
03/27/24  
JPH

NO.	DATE	REVISION	BY
1	03/27/24	CONST. JOINT LOCATIONS	JPH

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE **B-11-184**

DESIGNED BY: JPH  
CHECKED BY: JLR

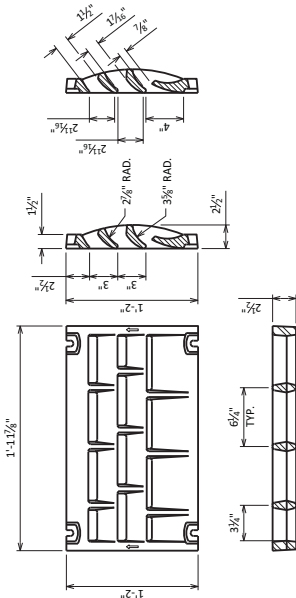
SHEET 86  
**858**

DECK POURING SEQUENCE

SCALE =

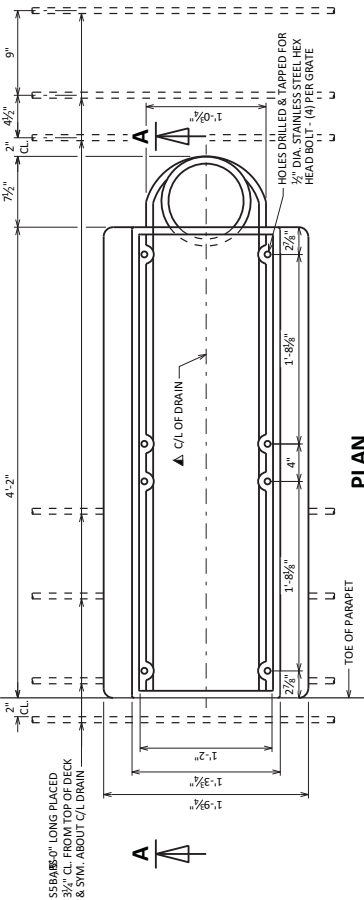
**NOTES**

- ALL MATERIAL FOR TYPE "WF" CASTING AND 8" DIA. CONNECTION PIPE, EXCLUDING GRATE HOLD DOWN SCREWS, SHALL BE GRAY IRON CONFORMING TO ASTM A48, CLASS 30.
- MATERIAL FOR BRACKETS SHALL CONFORM TO ASTM A36.
- ALTERNATE BRACKETS ARE NOT ALLOWED.
- ALL MATERIAL FOR FLOOR DRAINS TO BE INCLUDED IN THE BID ITEM "FLOOR DRAINS TYPE WF".
- ALL MATERIAL FOR DOWNSPOUTS, DOWNSPOUT CONNECTIONS, AND BRACKETS TO BE INCLUDED IN THE BID ITEM "DOWNSPOUT BRACKET".
- 8" DIA. DOWNSPOUTS SHALL BE REINFORCED THERMOSETTING RESIN PIPE (RTRP).
- TRANSVERSE & LONGITUDINAL DECK BAR REINFORCEMENT TO BE CUT A MAXIMUM OF 1" CLEAR FROM DRAIN FRAME. DISPLACE BARS WHERE POSSIBLE.



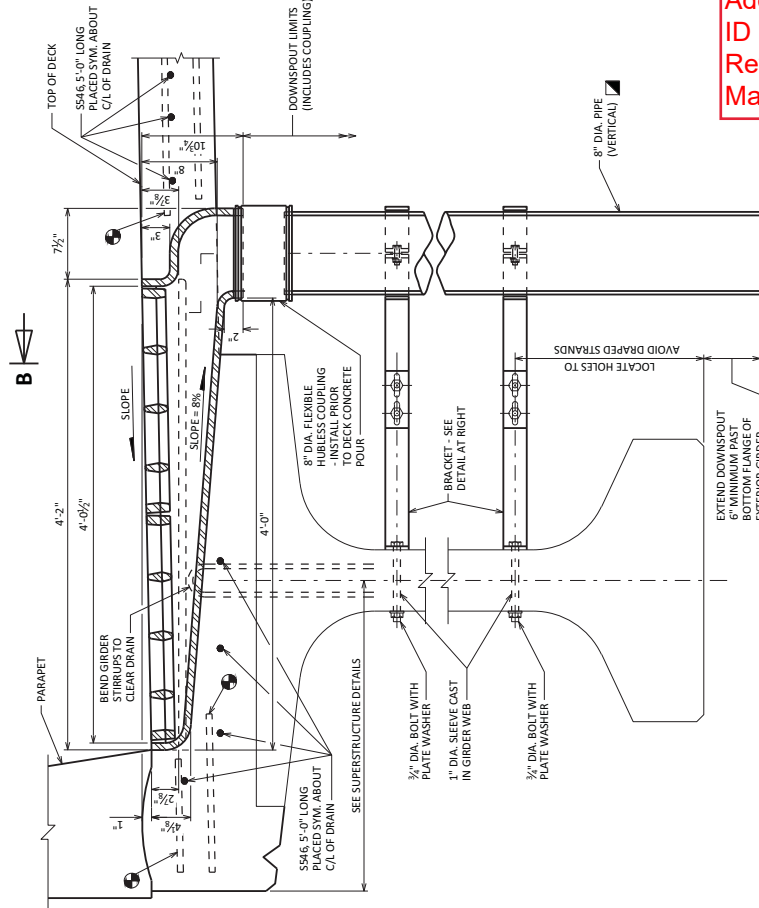
**GRATE CASTING DETAILS**

ATTACH GRATES TO FRAME FOR SHIPMENT

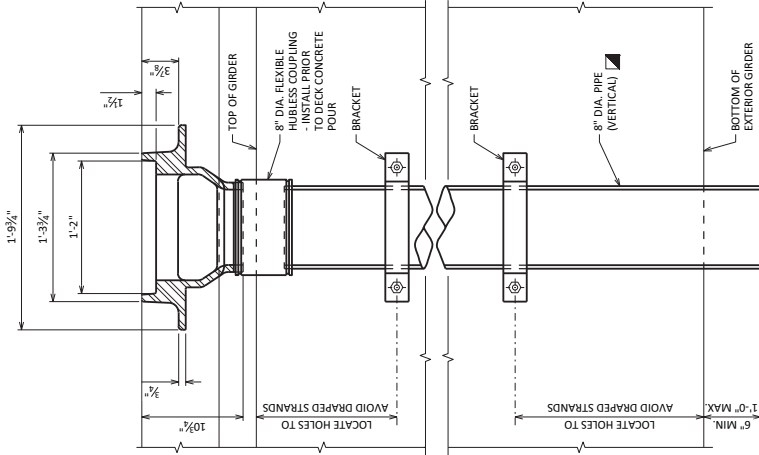


**PLAN**

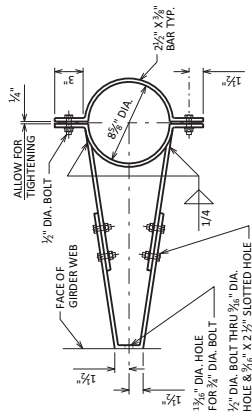
SEE SUPERSTRUCTURE PLAN SHEETS FOR FLOOR DRAIN LOCATIONS.



**SECTION A-A**



**SECTION B-B**



**BRACKET DETAIL**

**FLOOR DRAIN LOCATIONS**

DRAIN #	STATION	SPAN	DECK EDGE
1	1132+60.00	2	EAST
2	1134+30.00	3	WEST
3	1135+40.00	4	EAST
4	1138+20.00	6	EAST
5	1138+50.00	6	WEST
6	1141+00.00	8	EAST
7	1142+70.00	9	WEST
8	1143+80.00	10	EAST
9	1146+60.00	12	EAST

NO.	DATE	REVISION	BY
2	5/21/24	FLOOR DRAIN LOCATIONS TABLE	JPH

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

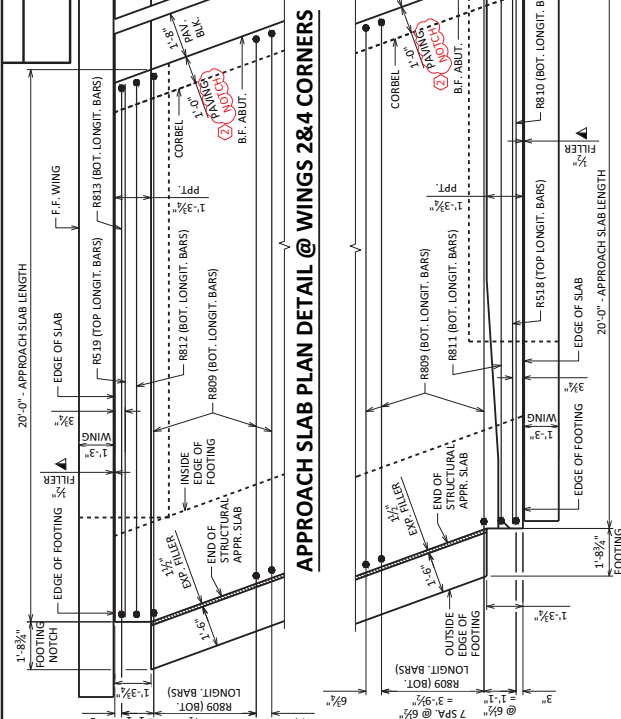
STRUCTURE **B-11-184**  
DESIGNED BY **JLR**  
CHECKED BY **JLR**

FLOOR DRAIN  
TYPE "WF"  
SHEET 87  
**859**

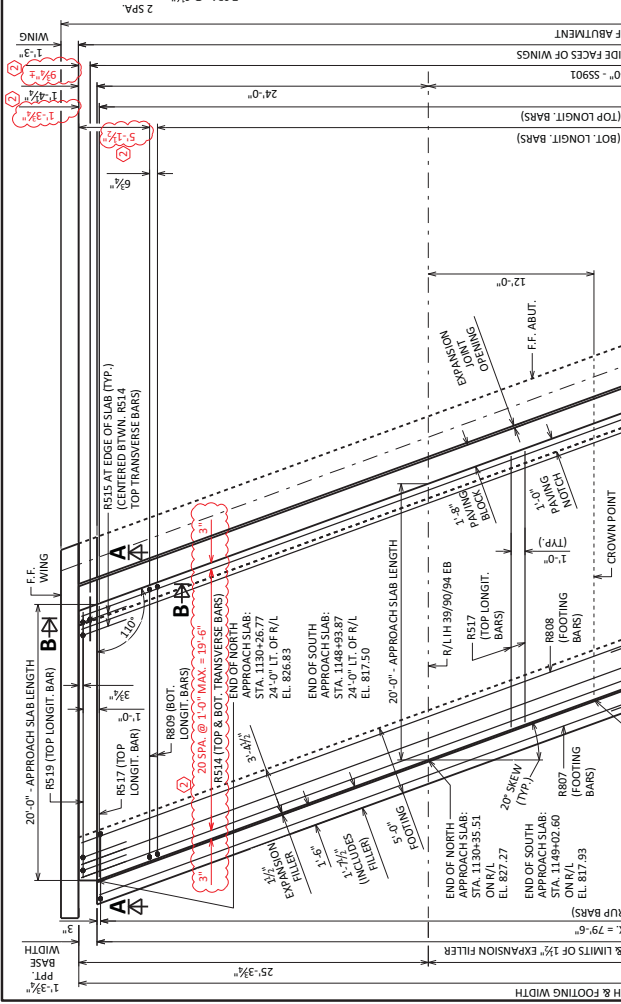
03/22/24

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 859  
March 27, 2024

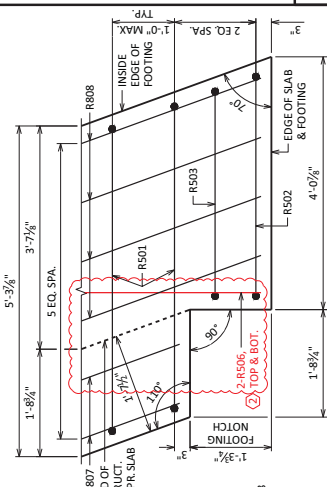
STATE PROJECT NUMBER  
**1010-10-82**



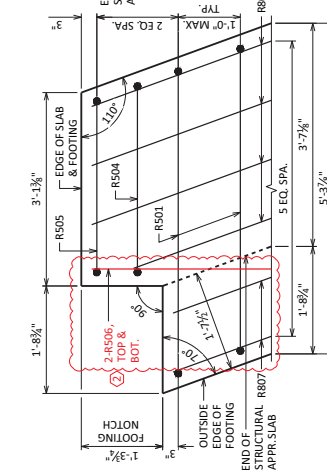
**APPROACH SLAB PLAN DETAIL @ WINGS 2&4 CORNERS**



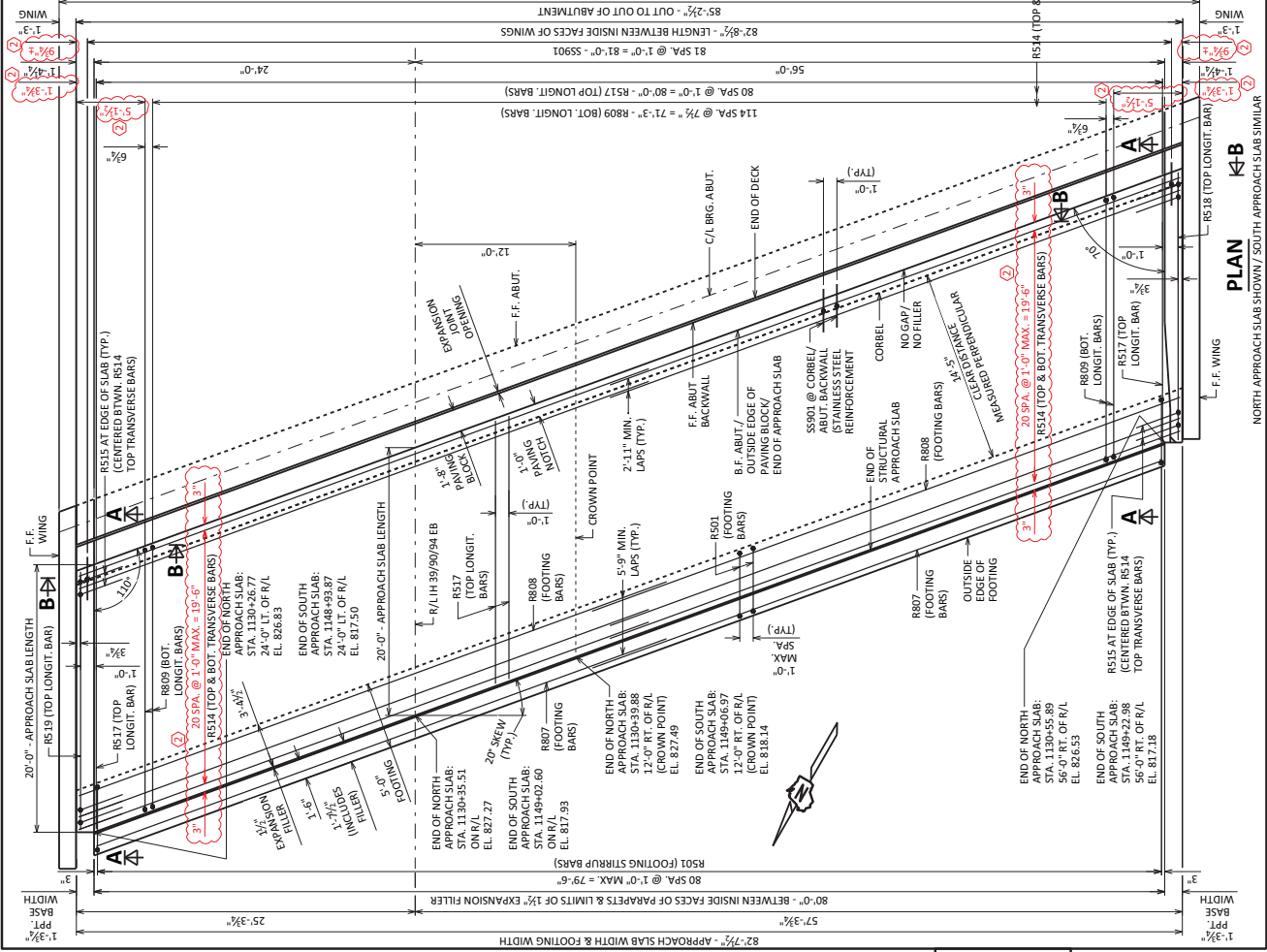
**APPROACH SLAB PLAN DETAIL @ WINGS 1&3 CORNERS**



**SLAB FOOTING PLAN DETAIL @ WINGS 1&3 CORNERS**



**SLAB FOOTING PLAN DETAIL @ WINGS 2&4 CORNERS**



**PLAN**

NORTH APPROACH SLAB SHOWN / SOUTH APPROACH SLAB SIMILAR

Addendum No. 02  
ID 1010-10-82  
Revised Sheet 860  
March 27, 2024

NO.	DATE	REVISION	BY
0322224			

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE **B-11-184**

DESIGNED BY **RSW/WW** CHECKED BY **ACT**

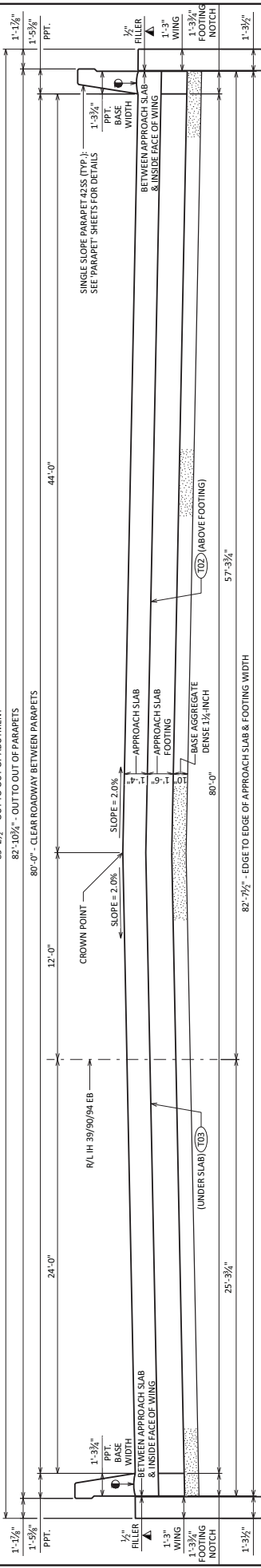
STRUCTURAL APPROACH SLABS

SHEET 88

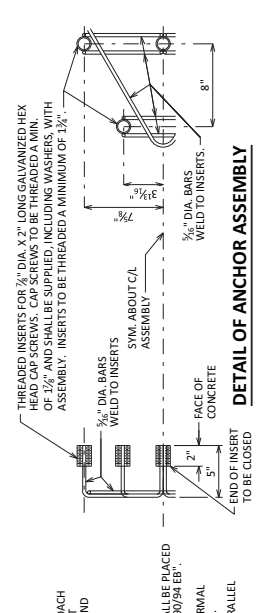
**860**

NOTE:  
SEE NEXT SHEET FOR SECTION AA AND SECTION BB CROSS SECTION DETAILS AT STRUCTURAL APPROACH SLAB

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.



**CROSS SECTION THRU APPROACH SLABS LOOKING SOUTH**  
(REINFORCEMENT NOT SHOWN)



**DETAIL OF ANCHOR ASSEMBLY**  
NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH 610.2.2.5.  
ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY, NON-BLUTTERIOUS JOINT SEALER. 1" DEEP AND HOLD 1/2" BELOW SURFACE OF CONCRETE.  
INCLUDES 1/2" EXPANSION FILLER  
HORIZ. CONST. JOINT, STRIKE OFF AND LEAVE ROUGH AS SHOWN  
STEEL TRIMMEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.  
PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SUBG.

TRANSVERSE BARS SHALL BE PLACED PARALLEL TO C/L BRG. ABUTMENTS.  
LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "R/LH 39/90/94 EB".  
DIMENSION IS TAKEN NORMAL TO C/L BRG. ABUTMENTS.  
DIMENSION IS TAKEN PARALLEL TO "R/LH 39/90/94 EB".

TRANSVERSE BARS SHALL BE PLACED PARALLEL TO C/L BRG. ABUTMENTS.  
LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "R/LH 39/90/94 EB".  
DIMENSION IS TAKEN NORMAL TO C/L BRG. ABUTMENTS.  
DIMENSION IS TAKEN PARALLEL TO "R/LH 39/90/94 EB".

TRANSVERSE BARS SHALL BE PLACED PARALLEL TO C/L BRG. ABUTMENTS.  
LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "R/LH 39/90/94 EB".  
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DIMENSION IS TAKEN PARALLEL TO "R/LH 39/90/94 EB".

TRANSVERSE BARS SHALL BE PLACED PARALLEL TO C/L BRG. ABUTMENTS.  
LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "R/LH 39/90/94 EB".  
DIMENSION IS TAKEN NORMAL TO C/L BRG. ABUTMENTS.  
DIMENSION IS TAKEN PARALLEL TO "R/LH 39/90/94 EB".

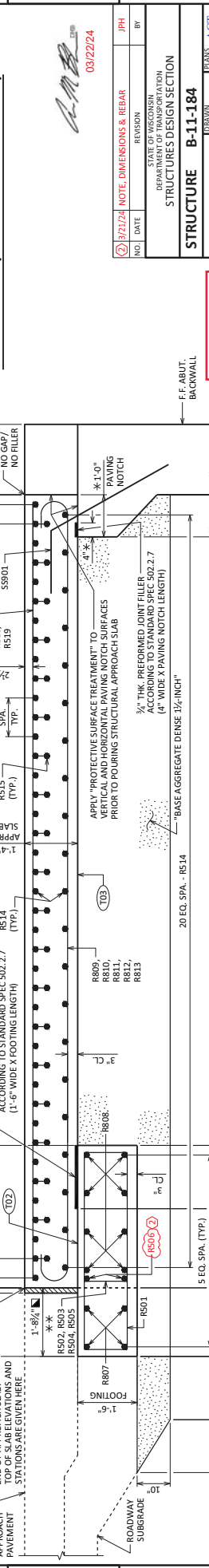
TRANSVERSE BARS SHALL BE PLACED PARALLEL TO C/L BRG. ABUTMENTS.  
LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "R/LH 39/90/94 EB".  
DIMENSION IS TAKEN NORMAL TO C/L BRG. ABUTMENTS.  
DIMENSION IS TAKEN PARALLEL TO "R/LH 39/90/94 EB".

TRANSVERSE BARS SHALL BE PLACED PARALLEL TO C/L BRG. ABUTMENTS.  
LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "R/LH 39/90/94 EB".  
DIMENSION IS TAKEN NORMAL TO C/L BRG. ABUTMENTS.  
DIMENSION IS TAKEN PARALLEL TO "R/LH 39/90/94 EB".

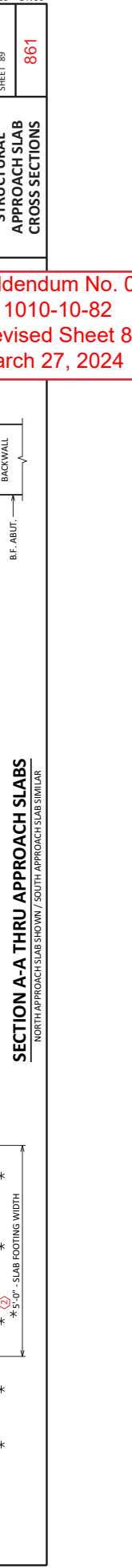
TRANSVERSE BARS SHALL BE PLACED PARALLEL TO C/L BRG. ABUTMENTS.  
LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "R/LH 39/90/94 EB".  
DIMENSION IS TAKEN NORMAL TO C/L BRG. ABUTMENTS.  
DIMENSION IS TAKEN PARALLEL TO "R/LH 39/90/94 EB".

TRANSVERSE BARS SHALL BE PLACED PARALLEL TO C/L BRG. ABUTMENTS.  
LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "R/LH 39/90/94 EB".  
DIMENSION IS TAKEN NORMAL TO C/L BRG. ABUTMENTS.  
DIMENSION IS TAKEN PARALLEL TO "R/LH 39/90/94 EB".

**SECTION B-B (EDGE OF SLAB DETAIL)**



**SECTION A-A THRU APPROACH SLABS**  
NORTH APPROACH SLAB SHOWN / SOUTH APPROACH SLAB SIMILAR



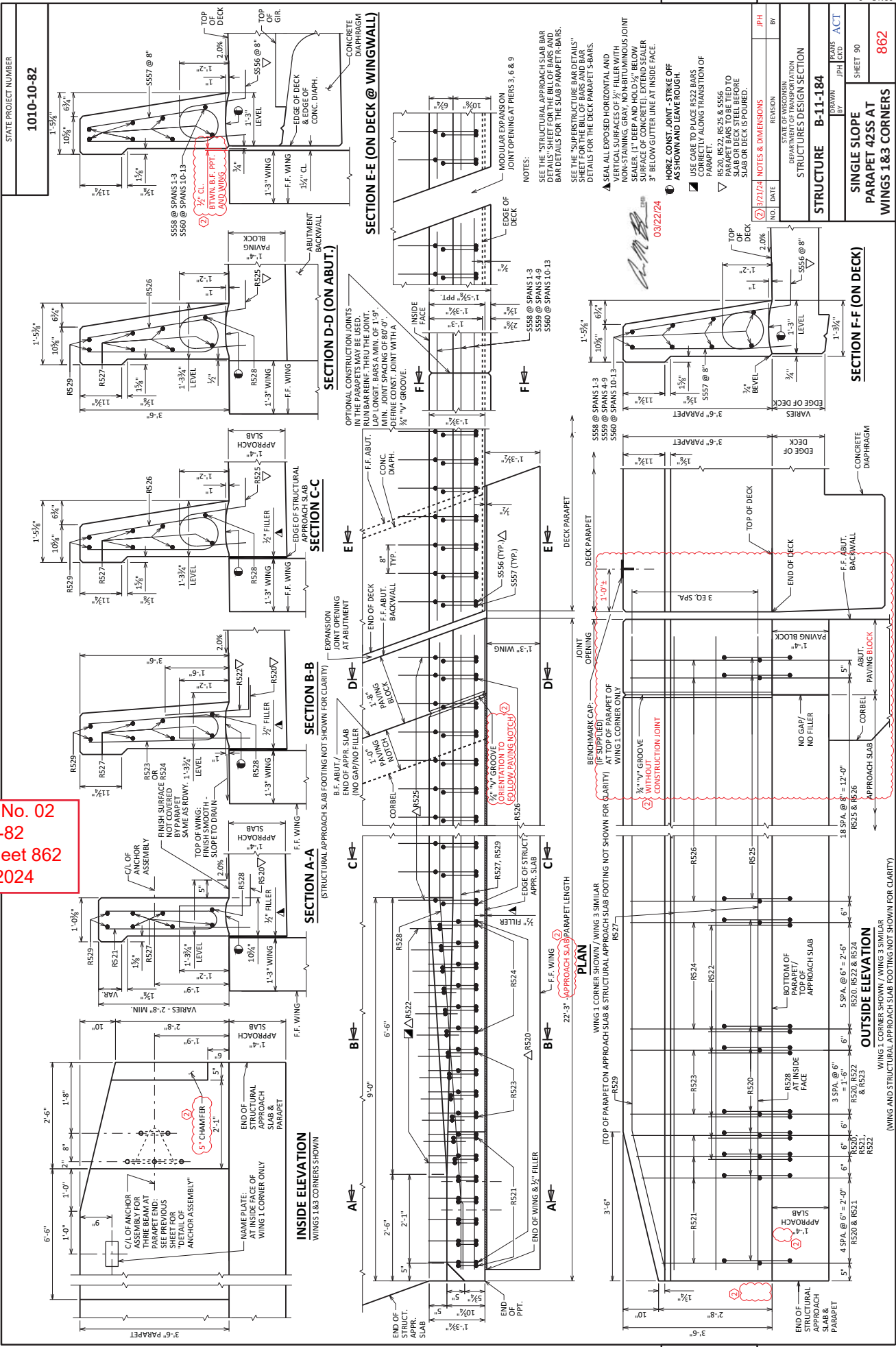
Addendum No. 02  
ID 1010-10-82  
Revised Sheet 861  
March 27, 2024

NO.	DATE	REVISION	BY
2	3/21/24	NOTE: DIMENSIONS & REBAR	JPH

03/22/24

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION	
STRUCTURE	B-11-184
DESIGNED BY	ROSWIN JPH ECD
CHECKED BY	ACT
STRUCTURAL APPROACH SLAB CROSS SECTIONS	
SHEET	89
861	

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 862**  
**March 27, 2024**

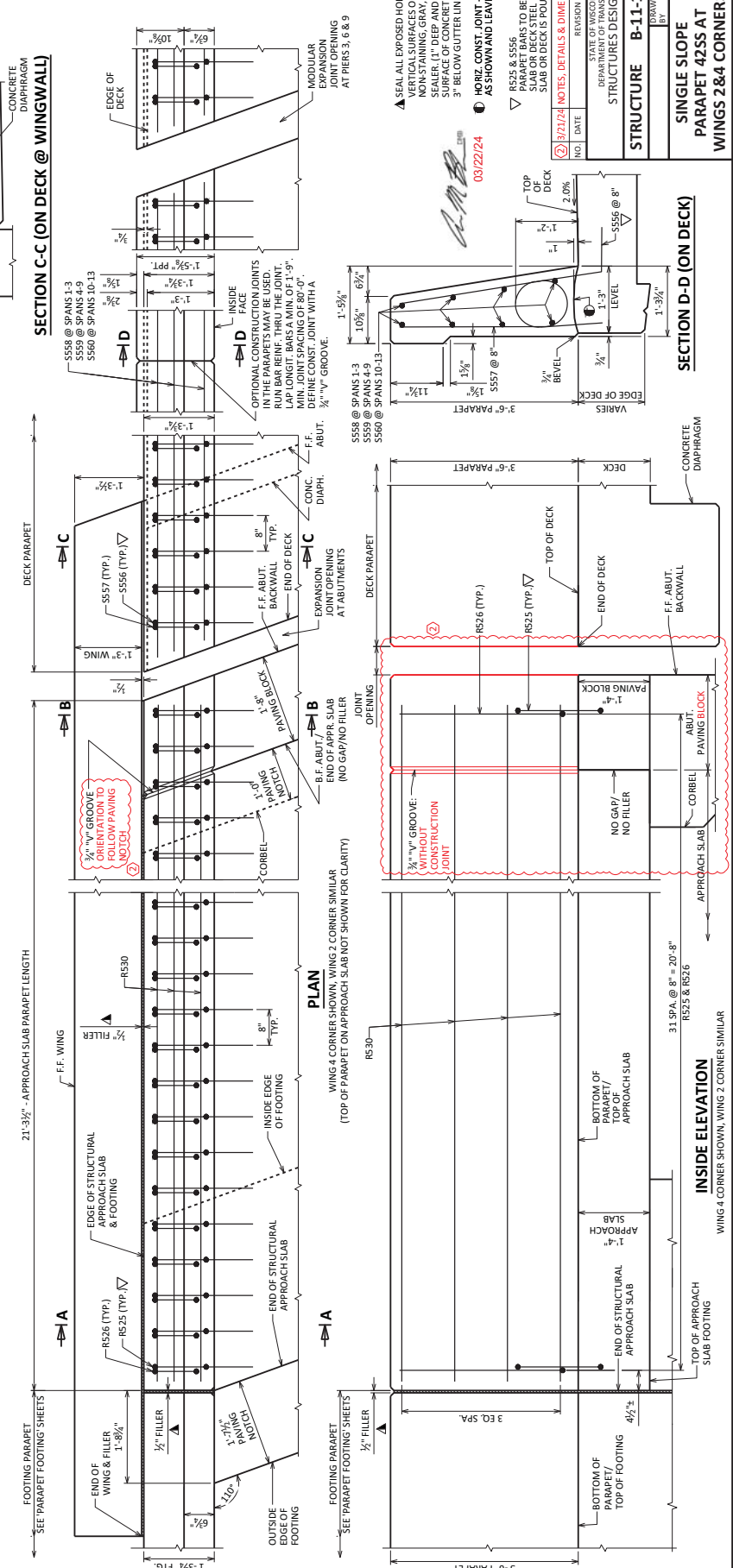
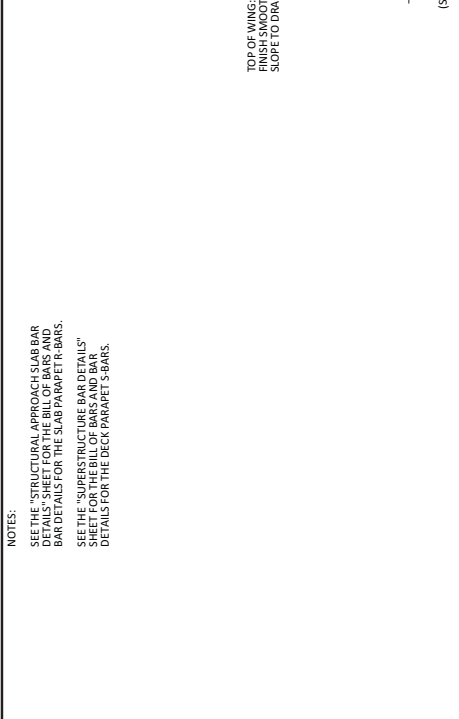
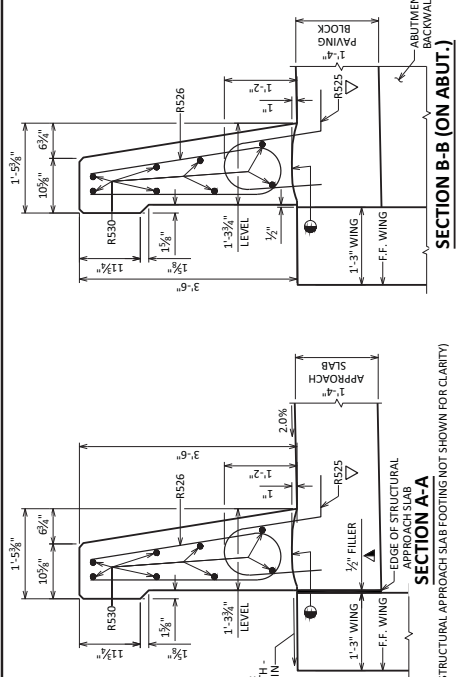
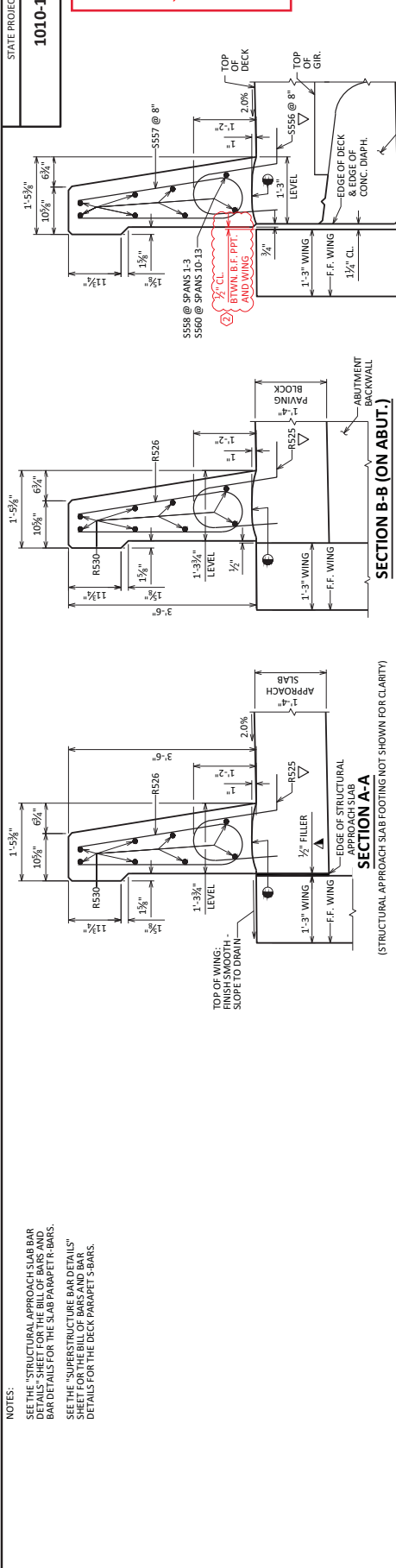




NOTES:  
 SEE THE "STRUCTURAL APPROACH SLAB BAR BARDTAILS" FOR THE SLAB PARAPET BARS.  
 SEE THE "SUPERSTRUCTURE BARDETAILS" FOR THE DECK PARAPET BARS.

STATE PROJECT NUMBER  
**1010-10-82**

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 863**  
**March 27, 2024**



3/21/24 NO TES, DETAILS & DIMENSION  
 03/22/24  
 SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. IT DEEP AND HOLD 1/8" BELOW SURFACE OF FILLER.  
 3" BELOW GUTTER LINE AT INSIDE FACE.  
 HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.  
 RS25 & S556 PARAPET BARS TO BE TIED TO SLAB OR DECK STEEL BEFORE SLAB OR DECK IS POURING.

NO.	DATE	REVISION	PH	BY
2	3/21/24	NO TES, DETAILS & DIMENSION	PH	

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION  
 STRUCTURES DESIGN SECTION

**STRUCTURE B-11-184**

DESIGNED BY: **PH**  
 DRAWN BY: **ACT**

**SINGLE SLOPE PARAPET 4255 AT WINGS 2&4 CORNERS**

SHEET 91  
**863**



**BILL OF BARS**

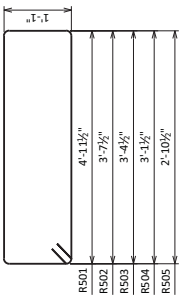
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	NO. REQUIRED NORTH SOUTH SLAB	LENGTH	BAR SERIES	LOCATION
R501	1	12'-9"	X	FOOTING-VERTICAL-LONGITUDINAL-BETWEEN PARAPETS
R502	1	10'-1"	X	FOOTING-VERTICAL-LONGITUDINAL-AT WINGS 183 CORNER ENDS ONLY
R503	1	9'-7"	X	FOOTING-VERTICAL-LONGITUDINAL-AT WINGS 183 CORNER ENDS ONLY
R504	1	9'-1"	X	FOOTING-VERTICAL-LONGITUDINAL-AT WINGS 284 CORNER ENDS ONLY
R505	1	8'-7"	X	FOOTING-VERTICAL-LONGITUDINAL-AT WINGS 284 CORNER ENDS ONLY
R506	4	3'-2"	X	FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT ENDS ONLY
R507	4	4'-5"	X	FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT OUTSIDE EDGE
R508	16	46'-9"	X	FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT INSIDE EDGE
R509	131	21'-6"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL-BETWEEN PARAPETS
R510	1	21'-11"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL-AT WINGS 183 CORNER EDGES ONLY
R511	1	21'-8"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL-AT WINGS 183 CORNER EDGES ONLY
R512	1	21'-4"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL-AT WINGS 284 CORNER EDGES ONLY
R513	1	21'-1"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL-AT WINGS 284 CORNER EDGES ONLY
R514	84	45'-4"	X	SLAB-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
R515	40	4'-1"	X	SLAB-TOP-VERTICAL-TRANSVERSE-AT BOTH EDGES
R516	---	---	---	NOT USED
R517	81	19'-8"	X	SLAB-TOP-HORIZONTAL-LONGITUDINAL-BETWEEN PARAPETS
R518	1	20'-0"	X	SLAB-TOP-HORIZONTAL-LONGITUDINAL-AT WINGS 183 CORNER EDGES ONLY
R519	1	19'-3"	X	SLAB-TOP-HORIZONTAL-LONGITUDINAL-AT WINGS 284 CORNER EDGES ONLY
R520	17	4'-4"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT WINGS 183 PPT. ENDS ONLY
R521	7	7'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT WINGS 183 PPT. ENDS ONLY
R522	12	2'-9"	X	PARAPETS/SLAB-INSIDE FACE-VERTICAL-TRANSVERSE-AT WINGS 183 PPT. ENDS ONLY
R523	4	6'-5"	X	PARAPETS-VERTICAL-TRANSVERSE-AT WINGS 183 PPT. ENDS ONLY
R524	6	6'-6"	X	PARAPETS-VERTICAL-TRANSVERSE-AT WINGS 183 PPT. ENDS ONLY
R525	52	4'-5"	X	PARAPETS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R526	52	6'-8"	X	PARAPETS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R527	5	21'-6"	X	PARAPETS-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT WINGS 183 PPT. ENDS ONLY
R528	1	21'-4"	X	PARAPETS-BOT. INSIDE FACE-HORIZONTAL-LONGITUDINAL-AT WINGS 183 PPT. ENDS ONLY
R529	2	21'-6"	X	PARAPETS-TOP-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT WINGS 183 PPT. ENDS ONLY
R530	8	21'-0"	X	PARAPETS-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT WINGS 2 & 4 PPT. ENDS ONLY

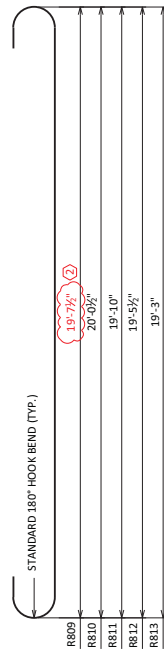
**BAR SERIES TABLE**

BAR MARK	NUMBERS REQUIRED	TOTAL BAR LENGTH
R521	2 SERIES OF 7 BARS	4'-9" TO 6'-3"

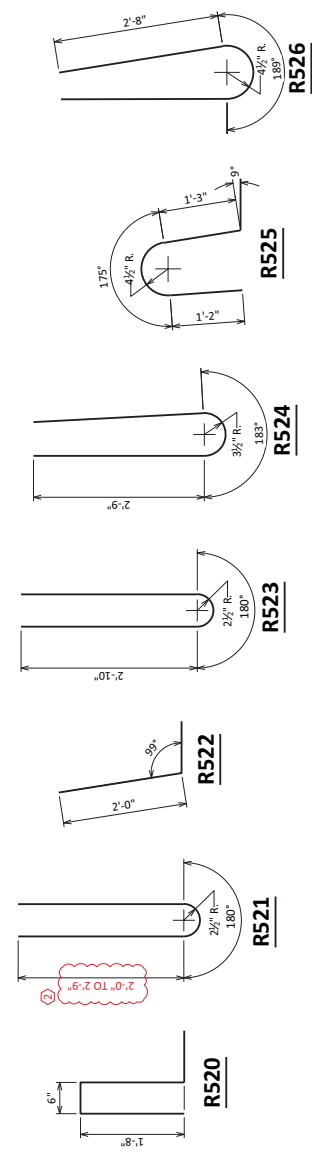
BUNDLE AND TAG EACH SERIES SEPARATELY.



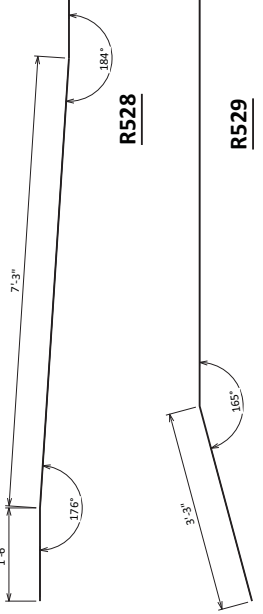
**R501 R502 R503 R504 R505**  
(STIRRUP BARS)



**R809 R810 R811 R812 R813**



**R528 R529**



STATE PROJECT NUMBER  
**1010-10-82**

8

Signature  
03/22/24

NO.	DATE	REVISION	BY
3/21/24		BAR LENGTHS & DIMENSIONS	JPH

**Addendum No. 02**  
**ID 1010-10-82**  
**Revised Sheet 864**  
**March 27, 2024**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE **B-11-184**  
DESIGNED BY JPH  
CHECKED BY ACT

STRUCTURAL APPROACH SLAB BAR DETAILS  
SHEET 92  
**864**

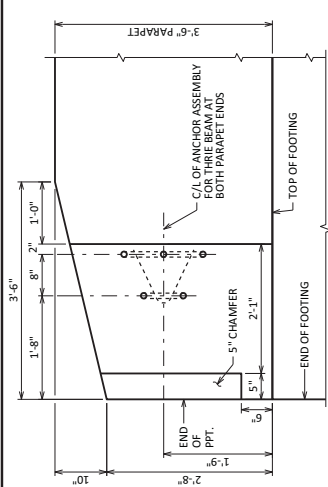
SCALE = 2

8

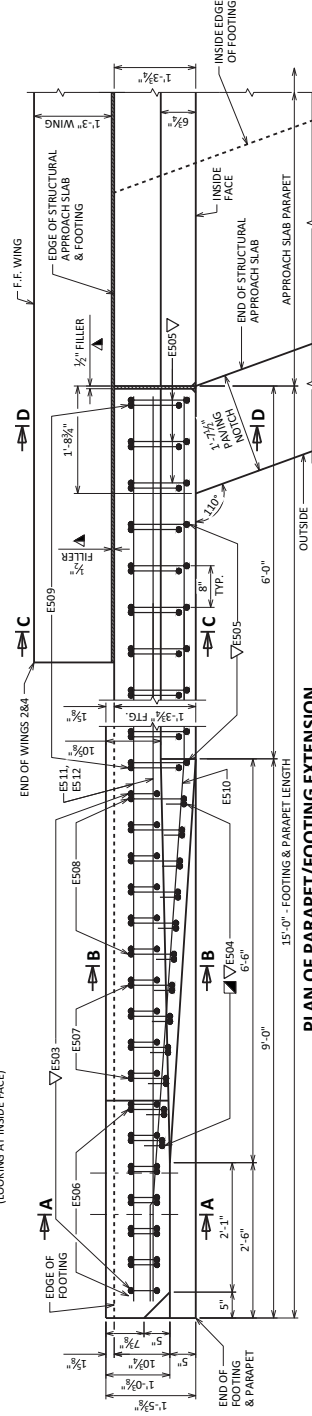


Addendum No. 02  
ID 1010-10-82  
Revised Sheet 866  
March 27, 2024

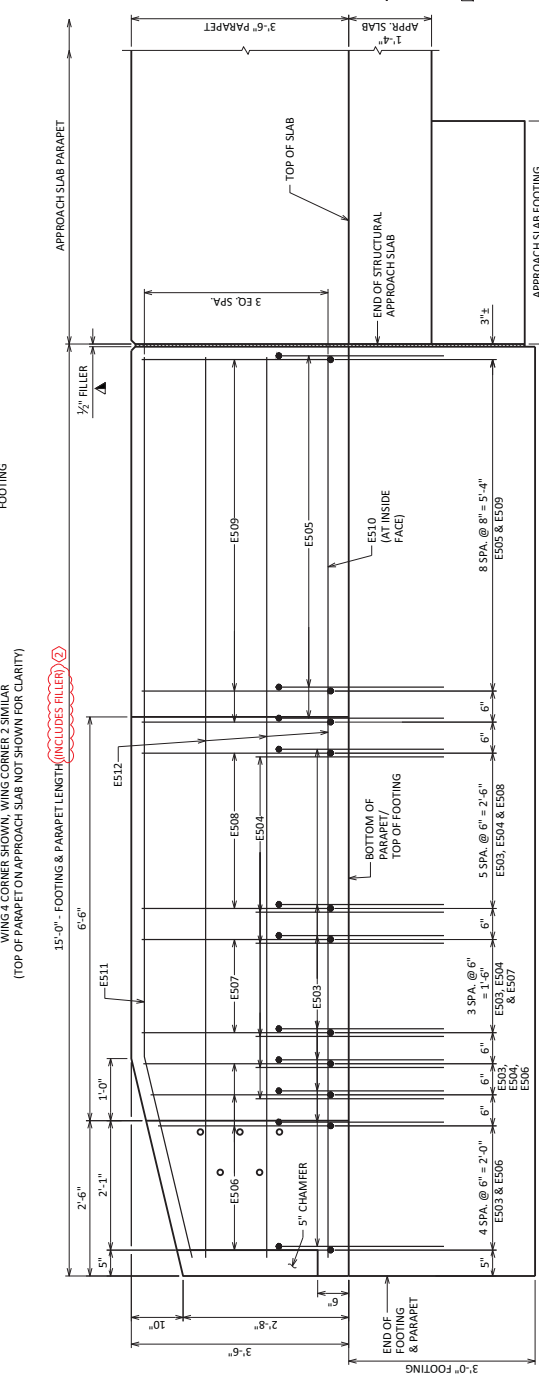
NOTE:  
SEE THE PREVIOUS SHEET FOR SECTION THRU DETAILS:  
SECTION A-A, SECTION B-B, SECTION C-C & SECTION D-D  
ALL BID ITEMS ON THIS SHEET SHALL BE INCLUDED  
WITH THE STRUCTURAL APPROACH SLABS' QUANTITIES.  
SEE THE NEXT SHEET FOR THE BILL OF BARS AND  
BAR DETAILS FOR THE FOOTING & PARAPET E-BARS.



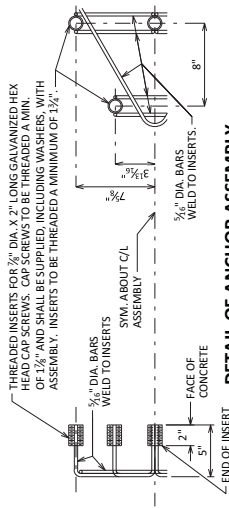
**PARAPET END TREATMENT DETAIL**  
WINGS 2&4 CORNERS SHOWN  
(LOOKING AT INSIDE FACE)



**PLAN OF PARAPET/FOOTING EXTENSION**  
WING 4 CORNER SHOWN, WING CORNER 2 SIMILAR  
(TOP OF PARAPET ON APPROACH SLAB NOT SHOWN FOR CLARITY)



**INSIDE ELEVATION**  
WINGS 2&4 CORNERS SHOWN



**DETAIL OF ANCHOR ASSEMBLY**

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED  
IN ACCORDANCE WITH **ASTM A309X2**  
ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES  
FOR STEEL PLATE BEAM GUARD", EACH.

8  
03/22/24

NO.	DATE	REVISION	BY
3/21/24		NOTE & DIMENSION	JPH

DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION

STRUCTURE **B-11-184**

DESIGNED BY: JPH  
CHECKED BY: ACT

SINGLE SLOPE PARAPET  
42SS EXTENSION  
ON FOOTINGS

SHEET 94  
866

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY, NON-BITUMINOUS JOINT SEALANT. FILLER SHALL BE APPLIED TO SURFACES OF CONCRETE EXPOSED BELOW 3" BELOW GUTTER LINE AT INSIDE FACE.

■ E504 BARS MAY BE PLACED AFTER INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE E504 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ E503, E504 & E505 PARAPET BARS TO BE TIED TO FOOTING STEEL BEFORE FOOTING IS POURED.

**BILL OF BARS**

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

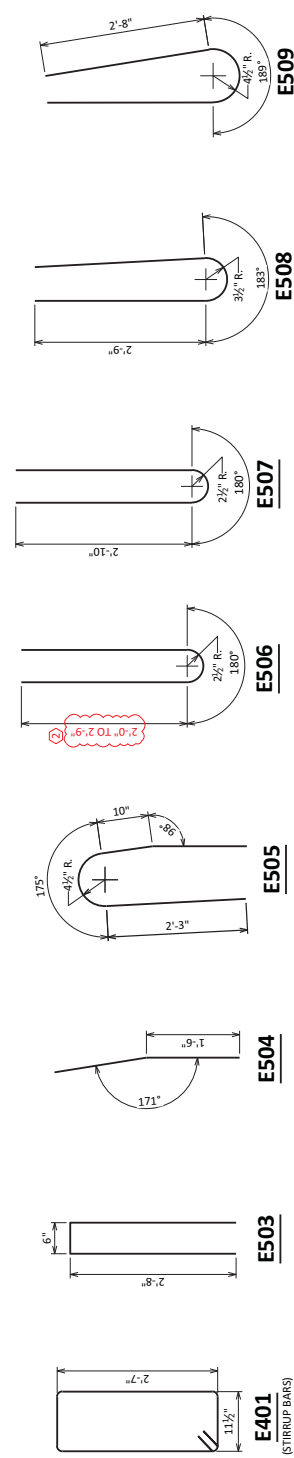
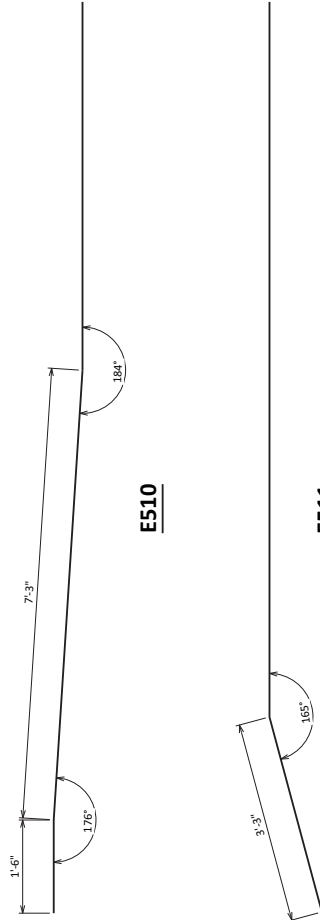
BAR MARK	NO. REQUIRED		LENGTH	BAR SERIES	LOCATION
	NORTH SLAB	SOUTH SLAB			
E401	X	16	7'-7"	X	FOOTING-VERTICAL-TRANSVERSE-AT WINGS 2&4 CORNERS ONLY
E402	X	8	(14'-7")	(2)	FOOTING-HORIZONTAL-LONGITUDINAL-BOTH FACES-AT WINGS 2&4 CORNERS ONLY
E503	X	17	5'-7"	X	FOOTING/PARAPET-VERTICAL-TRANSVERSE-ENDS ONLY-AT WINGS 2&4 CORNERS ONLY
E504	X	12	3'-0"	X	FOOTING/PARAPET-INSIDE FACE-VERTICAL-TRANSVERSE-AT WINGS 2&4 CORNERS ONLY
E505	X	10	5'-10"	X	FOOTING/PARAPET-VERTICAL-TRANSVERSE-AT WINGS 2&4 CORNERS ONLY
E506	X	7	(5'-5")	(X)	PARAPET-UNDER PAPER-VERTICAL-TRANSVERSE-ENDS ONLY-AT WINGS 2&4 CORNERS ONLY
E507	X	4	6'-5"	X	PARAPET-VERTICAL-TRANSVERSE-AT WINGS 2&4 CORNERS ONLY
E508	X	6	6'-6"	X	PARAPET-VERTICAL-TRANSVERSE-AT WINGS 2&4 CORNERS ONLY
E509	X	10	6'-8"	X	PARAPET-VERTICAL-TRANSVERSE-AT WINGS 2&4 CORNERS ONLY
E510	X	1	14'-6"	X	PARAPET-BOTTOM-INSIDE FACE-HORIZONTAL-LONGITUDINAL-AT WINGS 2&4 CORNERS ONLY
E511	X	2	(14'-7")	(X)	PARAPET-TOP-BOTH FACES-VERTICAL-LONGITUDINAL-AT WINGS 2&4 CORNERS ONLY
E512	X	5	(14'-7")	(2)	PARAPET-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT WINGS 2&4 CORNERS ONLY

▲ LENGTH SHOWN FOR BARS IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

**BAR SERIES TABLE**

BAR MARK	NUMBER REQUIRED	TOTAL BAR LENGTH
E506	2 SERIES OF 7 BARS	(1'-9" TO 6'-3")

BUNDLE AND TAG EACH SERIES SEPARATELY.



Addendum No. 02  
ID 1010-10-82  
Revised Sheet 867  
March 27, 2024

3/21/24 BAR LENGTHS  
NO. DATE REVISION BY  
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DESIGN SECTION  
STRUCTURE B-11-184  
DESIGNED BY JPH  
CHECKED BY ACT  
SHEET 95  
FOOTING & PARAPET BAR DETAILS  
867

DIVISION 2 -  
CITY V. STAGE

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL. (CY) (UNADJUSTED)			CUMULATIVE VOL. (CY)			REDUCED MARSH IN FILL 0.60 NOTE 6	MASS ORDNATE NOTE 8
			SALVAGED/UNUSABLE PAVEMENT MATERIAL CUT	FILL (FILLED) WITH SELECT CRUSHED MATERIAL	FILL (FILLED) WITH CUT MATERIAL	TOTAL FILL	MARSH (BACKFILL) WITH CUT MATERIAL	MARSH (BACKFILL) WITH SELECT CRUSHED MATERIAL	CUT	EXPANDED FILL SELECT CRUSHED MATERIAL	EXPANDED MARSH BACKFILL CUT MATERIAL		
48+76.632	4876.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49+00	4900.00	23.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49+50	4950.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49+84.888	4984.90	34.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50+00	5000.00	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50+50	5050.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51+00	5100.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51+50	5150.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52+00	5200.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52+46.722	5246.72	5.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53+00	5300.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53+26.092	5326.09	26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53+50	5350.00	23.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53+51.092	5351.09	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53+76.092	5376.09	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54+00	5400.00	23.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54+50	5450.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55+00	5500.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55+50	5550.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56+00	5600.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56+50	5650.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56+86.009	5686.01	36.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57+00	5700.00	13.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57+50	5750.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58+00	5800.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58+06.329	5806.33	6.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58+31.377	5831.38	25.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58+50	5850.00	18.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58+60.9	5860.9	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58+65.9	5865.9	7.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59+21.717	5921.72	61.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61+38.283	6138.28	13.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61+50	6150.00	15.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62+00	6200.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62+01.341	6201.34	1.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62+08.267	6208.27	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62+26.341	6226.34	18.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62+32.267	6232.27	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62+45.941	6245.94	16.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62+46.941	6246.94	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62+58.267	6258.27	61.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63+00	6300.00	41.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63+50	6350.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63+71.341	6371.34	21.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63+78.267	6378.27	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64+00	6400.00	21.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64+50	6450.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65+00	6500.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65+50	6550.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66+00	6600.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66+50	6650.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67+00	6700.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67+50	6750.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68+00	6800.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68+50	6850.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69+00	6900.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69+50	6950.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70+00	7000.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71+00	7100.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71+50	7150.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72+00	7200.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72+50	7250.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73+00	7300.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

9

9

1 - CUT  
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL  
3 - FILL

NOTES:  
1 - CUT  
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL  
3 - FILL

THIS INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL  
THIS DOES NOT SHOW UP IN CROSS SECTIONS  
DOES NOT INCLUDE UNDESIRABLE PAVEMENT EXC. VOLUME

4 - EXPANDED MARSH BACKFILL  
5 - EXPANDED EBS  
6 - REDUCED MARSH IN FILL

WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)  
7 - REDUCED EBS IN FILL  
8 - MASS ORDNATE

REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL  
REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL  
REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL

EXPANDED MARSH IN FILL - EXPANDED MARSH EXC.  
EXPANDED EBS - (FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK \* FILL FACTOR)

PROJECT NO: 1010-10-82  
COUNTY: COLUMBIA  
HWY: IH 39/90/94  
EARTHWORK DATA  
PLOT DATE: March 13, 2024  
PLOT BY: DAAR ENGINEERING  
PLOT NAME:

SHEET: 953

E

FILE NAME: OneDrive-Corporation\Documents-Sw-Design\1010-10-02-IH39 COLUMBIA County\CADD\Sheets\Fram080101-new.rvt







Proposal Schedule of Items

Proposal ID: 20240409001 Project(s): 1010-10-82

Federal ID(s): WISC 2024324

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	108.4400 CPM Progress Schedule	1.000 EACH	_____.	_____.
0004	201.0105 Clearing	6.000 STA	_____.	_____.
0006	201.0205 Grubbing	134.000 STA	_____.	_____.
0008	201.0220 Grubbing	24.000 ID	_____.	_____.
0010	203.0100 Removing Small Pipe Culverts	6.000 EACH	_____.	_____.
0012	203.0220 Removing Structure (structure) 01. Box Culvert	1.000 EACH	_____.	_____.
0014	203.0220 Removing Structure (structure) 02. Culvert with Headwalls	1.000 EACH	_____.	_____.
0016	203.0220 Removing Structure (structure) 03. B-11-37	1.000 EACH	_____.	_____.
0018	203.0220 Removing Structure (structure) 04. B-11-35	1.000 EACH	_____.	_____.
0020	203.0220 Removing Structure (structure) 05. C-11-11	1.000 EACH	_____.	_____.
0022	203.0260 Removing Structure Over Waterway Minimal Debris (structure) 01. B-11-22	1.000 EACH	_____.	_____.
0024	203.0260 Removing Structure Over Waterway Minimal Debris (structure) 02. B-11-23	1.000 EACH	_____.	_____.
0026	203.0330 Debris Containment (structure) 01. B-11-37	1.000 EACH	_____.	_____.
0028	203.0330 Debris Containment (structure) 02. B-11-35	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20240409001 Project(s): 1010-10-82

Federal ID(s): WISC 2024324

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0030	204.0100 Removing Concrete Pavement	91,507.000 SY	_____.	_____.
0032	204.0110 Removing Asphaltic Surface	67.000 SY	_____.	_____.
0034	204.0115 Removing Asphaltic Surface Butt Joints	920.000 SY	_____.	_____.
0036	204.0120 Removing Asphaltic Surface Milling	62,480.000 SY	_____.	_____.
0038	204.0150 Removing Curb & Gutter	180.000 LF	_____.	_____.
0040	204.0157 Removing Concrete Barrier	2,449.000 LF	_____.	_____.
0042	204.0165 Removing Guardrail	9,353.000 LF	_____.	_____.
0044	204.0170 Removing Fence	17,761.000 LF	_____.	_____.
0046	204.0180 Removing Delineators and Markers	428.000 EACH	_____.	_____.
0048	204.0195 Removing Concrete Bases	10.000 EACH	_____.	_____.
0050	204.0220 Removing Inlets	18.000 EACH	_____.	_____.
0052	204.0245 Removing Storm Sewer (size) 01. 18-Inch	714.000 LF	_____.	_____.
0054	204.0245 Removing Storm Sewer (size) 02. 24-Inch	1,140.000 LF	_____.	_____.
0056	204.0245 Removing Storm Sewer (size) 03. 30-Inch	154.000 LF	_____.	_____.
0058	204.0245 Removing Storm Sewer (size) 04. 42-Inch	170.000 LF	_____.	_____.



Proposal Schedule of Items

**Proposal ID:** 20240409001    **Project(s):** 1010-10-82  
**Federal ID(s):** WISC 2024324  
**SECTION:** 0001                      Contract Items  
**Alt Set ID:**    **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	204.0291.S Abandoning Sewer	47.000 CY	_____.	_____.
0062	204.9060.S Removing (item description) 01. Apron Endwall	5.000 EACH	_____.	_____.
0064	204.9060.S Removing (item description) 02. Gate	2.000 EACH	_____.	_____.
0066	204.9060.S Removing (item description) 03. Pole	1.000 EACH	_____.	_____.
0068	205.0100 Excavation Common	293,380.000 CY	_____.	_____.
0070	205.0200 Excavation Rock	12,220.000 CY	_____.	_____.
0072	205.0400 Excavation Marsh	14,500.000 CY	_____.	_____.
0074	206.1001 Excavation for Structures Bridges (structure) 01. B-11-184	1.000 EACH	_____.	_____.
0076	206.1001 Excavation for Structures Bridges (structure) 02. B-11-183	1.000 EACH	_____.	_____.
0078	206.1001 Excavation for Structures Bridges (structure) 03. B-11-182	1.000 EACH	_____.	_____.
0080	206.1001 Excavation for Structures Bridges (structure) 04. B-11-185	1.000 EACH	_____.	_____.
0082	206.1050.S Underwater Foundation Inspection (location) 01. B-11-184 Pier 12	1.000 EACH	_____.	_____.
0084	206.1050.S Underwater Foundation Inspection (location) 02. B-11-183 Pier 12	1.000 EACH	_____.	_____.
0086	206.2001 Excavation for Structures Culverts (structure) 01. C-11-11	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20240409001 Project(s): 1010-10-82

Federal ID(s): WISC 2024324

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0088	206.3001 Excavation for Structures Retaining Walls (structure) 01. R-11-48	1.000 EACH	_____.	_____.
0090	206.5001 Cofferdams (structure) 01. B-11-184	1.000 EACH	_____.	_____.
0092	206.5001 Cofferdams (structure) 02. B-11-183	1.000 EACH	_____.	_____.
0094	206.5001 Cofferdams (structure) 03. C-11-11	1.000 EACH	_____.	_____.
0096	209.2500 Backfill Granular Grade 2	160.000 TON	_____.	_____.
0098	210.1500 Backfill Structure Type A	5,062.000 TON	_____.	_____.
0100	210.2500 Backfill Structure Type B	416.000 TON	_____.	_____.
0102	211.0400 Prepare Foundation for Asphaltic Shoulders	11.000 STA	_____.	_____.
0104	213.0100 Finishing Roadway (project) 01. 1010-10-82	1.000 EACH	_____.	_____.
0106	214.0100 Obliterating Old Road	3.300 STA	_____.	_____.
0108	305.0110 Base Aggregate Dense 3/4-Inch	7,474.000 TON	_____.	_____.
0110	305.0120 Base Aggregate Dense 1 1/4-Inch	92,994.000 TON	_____.	_____.
0112	310.0110 Base Aggregate Open-Graded	705.000 TON	_____.	_____.
0114	312.0110 Select Crushed Material	205,953.000 TON	_____.	_____.
0116	415.0210 Concrete Pavement Gaps	3.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20240409001 Project(s): 1010-10-82

Federal ID(s): WISC 2024324

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0118	415.0410 Concrete Pavement Approach Slab	580.000 SY	_____.	_____.
0120	416.0610 Drilled Tie Bars	260.000 EACH	_____.	_____.
0122	450.4000 HMA Cold Weather Paving	890.000 TON	_____.	_____.
0124	455.0605 Tack Coat	7,598.000 GAL	_____.	_____.
0126	460.2000 Incentive Density HMA Pavement	7,780.000 DOL	1.00000	7,780.00
0128	460.5223 HMA Pavement 3 LT 58-28 S	2,069.000 TON	_____.	_____.
0130	460.5224 HMA Pavement 4 LT 58-28 S	1,773.000 TON	_____.	_____.
0132	460.7223 HMA Pavement 3 HT 58-28 S	7,500.000 TON	_____.	_____.
0134	460.7224 HMA Pavement 4 HT 58-28 S	4,175.000 TON	_____.	_____.
0136	460.7424 HMA Pavement 4 HT 58-28 H	6,130.000 TON	_____.	_____.
0138	465.0105 Asphaltic Surface	50.000 TON	_____.	_____.
0140	465.0120 Asphaltic Surface Driveways and Field Entrances	46.000 TON	_____.	_____.
0142	465.0125 Asphaltic Surface Temporary	1,665.000 TON	_____.	_____.
0144	465.0315 Asphaltic Flumes	55.000 SY	_____.	_____.
0146	501.1000.S Ice Hot Weather Concreting	216,925.000 LB	_____.	_____.
0148	502.0100 Concrete Masonry Bridges	14,950.000 CY	_____.	_____.



Proposal Schedule of Items

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Federal ID(s): WISC 2024324

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0150	502.1100 Concrete Masonry Seal	5,998.000 CY	_____.	_____.
0152	502.3101 Expansion Device	172.000 LF	_____.	_____.
0154	502.3111.S Expansion Device Modular	688.000 LF	_____.	_____.
0156	502.3200 Protective Surface Treatment	18,630.000 SY	_____.	_____.
0158	502.3210 Pigmented Surface Sealer	4,209.000 SY	_____.	_____.
0160	502.4205 Adhesive Anchors No. 5 Bar	679.000 EACH	_____.	_____.
0162	502.9000.S Underwater Substructure Inspection (structure) 01. B-11-184	1.000 EACH	_____.	_____.
0164	502.9000.S Underwater Substructure Inspection (structure) 02. B-11-183	1.000 EACH	_____.	_____.
0166	503.0146 Prestressed Girder Type I 45W-Inch	851.000 LF	_____.	_____.
0168	503.0155 Prestressed Girder Type I 54W-Inch	963.000 LF	_____.	_____.
0170	503.0172 Prestressed Girder Type I 72W-Inch	32,660.000 LF	_____.	_____.
0172	504.0100 Concrete Masonry Culverts	64.000 CY	_____.	_____.
0174	504.0500 Concrete Masonry Retaining Walls	720.000 CY	_____.	_____.
0176	505.0400 Bar Steel Reinforcement HS Structures	3,447,610.000 LB	_____.	_____.
0178	505.0600 Bar Steel Reinforcement HS Coated Structures	3,556,075.000 LB	_____.	_____.





Proposal Schedule of Items

**Proposal ID:** 20240409001    **Project(s):** 1010-10-82  
**Federal ID(s):** WISC 2024324  
**SECTION:** 0001                      Contract Items  
**Alt Set ID:**                              **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0180	505.0800.S Bar Steel Reinforcement HS Stainless Structures	5,580.000 LB	_____.	_____.
0182	506.0605 Structural Steel HS	518,030.000 LB	_____.	_____.
0184	506.2605 Bearing Pads Elastomeric Non-Laminated	356.000 EACH	_____.	_____.
0186	506.2610 Bearing Pads Elastomeric Laminated	144.000 EACH	_____.	_____.
0188	506.3015 Welded Stud Shear Connectors 7/8x6-Inch	2,190.000 EACH	_____.	_____.
0190	506.4000 Steel Diaphragms (structure) 01. B-11-184	208.000 EACH	_____.	_____.
0192	506.4000 Steel Diaphragms (structure) 02. B-11-183	208.000 EACH	_____.	_____.
0194	506.4000 Steel Diaphragms (structure) 03. B-11-182	12.000 EACH	_____.	_____.
0196	506.4000 Steel Diaphragms (structure) 04. B-11-185	12.000 EACH	_____.	_____.
0198	509.5100.S Polymer Overlay	32,420.000 SY	_____.	_____.
0200	511.1100 Temporary Shoring	300.000 SF	_____.	_____.
0202	511.1200 Temporary Shoring (structure) 01. B-11-183	4,000.000 SF	_____.	_____.
0204	511.1200 Temporary Shoring (structure) 02. R-11-44	490.000 SF	_____.	_____.
0206	511.1200 Temporary Shoring (structure) 03. R-11-45	540.000 SF	_____.	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0208	511.1200 Temporary Shoring (structure) 04. C-11-11	347.000 SF	_____.	_____.
0210	513.2001 Railing Pipe	580.000 LF	_____.	_____.
0212	514.0450 Floor Drains Type WF	18.000 EACH	_____.	_____.
0214	516.0500 Rubberized Membrane Waterproofing	173.000 SY	_____.	_____.
0216	517.0601 Painting Epoxy System (structure) 01. R-11-48	1.000 EACH	_____.	_____.
0218	520.3318 Culvert Pipe Class III-A 18-Inch	118.000 LF	_____.	_____.
0220	520.3324 Culvert Pipe Class III-A 24-Inch	142.000 LF	_____.	_____.
0222	520.8000 Concrete Collars for Pipe	7.000 EACH	_____.	_____.
0224	521.0549 Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 49x33-Inch 4 to 1	1.000 EACH	_____.	_____.
0226	521.0649 Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 49x33-Inch 6 to 1	1.000 EACH	_____.	_____.
0228	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch	4.000 EACH	_____.	_____.
0230	521.1018 Apron Endwalls for Culvert Pipe Steel 18-Inch	2.000 EACH	_____.	_____.
0232	521.1030 Apron Endwalls for Culvert Pipe Steel 30-Inch	1.000 EACH	_____.	_____.
0234	521.1505 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 4 to 1	2.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0236	521.1518 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	4.000 EACH	_____.	_____.
0238	521.1524 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 6 to 1	4.000 EACH	_____.	_____.
0240	521.2005.S Surface Drain Pipe Corrugated Metal Slotted (inch) 01. 18-Inch	1,025.000 LF	_____.	_____.
0242	521.3118 Culvert Pipe Corrugated Steel 18-Inch	110.000 LF	_____.	_____.
0244	522.0424 Culvert Pipe Reinforced Concrete Class IV 24-Inch	220.000 LF	_____.	_____.
0246	522.0442 Culvert Pipe Reinforced Concrete Class IV 42-Inch	42.000 LF	_____.	_____.
0248	522.0530 Culvert Pipe Reinforced Concrete Class V 30-Inch	186.000 LF	_____.	_____.
0250	522.0548 Culvert Pipe Reinforced Concrete Class V 48-Inch	180.000 LF	_____.	_____.
0252	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	1.000 EACH	_____.	_____.
0254	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	2.000 EACH	_____.	_____.
0256	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	16.000 EACH	_____.	_____.
0258	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	3.000 EACH	_____.	_____.
0260	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	2.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0262	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	5.000 EACH	_____.	_____.
0264	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	2.000 EACH	_____.	_____.
0266	522.2434 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	44.000 LF	_____.	_____.
0268	530.0112 Culvert Pipe Corrugated Polyethylene 12-Inch	289.000 LF	_____.	_____.
0270	530.0118 Culvert Pipe Corrugated Polyethylene 18-Inch	17.000 LF	_____.	_____.
0272	530.0130 Culvert Pipe Corrugated Polyethylene 30-Inch	30.000 LF	_____.	_____.
0274	531.1100 Concrete Masonry Ancillary Structures Type NS	9.600 CY	_____.	_____.
0276	531.1140 Steel Reinforcement HS Ancillary Structures Type NS	906.000 LB	_____.	_____.
0278	531.2024 Drilling Shaft 24-Inch	30.000 LF	_____.	_____.
0280	531.2036 Drilling Shaft 36-Inch	10.000 LF	_____.	_____.
0282	531.4050 Foundation Camera Pole 50-FT	1.000 EACH	_____.	_____.
0284	550.0020 Pre-Boring Rock or Consolidated Materials	2,176.000 LF	_____.	_____.
0286	550.0500 Pile Points	128.000 EACH	_____.	_____.
0288	550.2128 Piling CIP Concrete 12 3/4 X 0.50-Inch	6,710.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0290	601.0553 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	352.000 LF	_____.	_____.
0292	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	345.000 LF	_____.	_____.
0294	601.0588 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	301.000 LF	_____.	_____.
0296	601.0590 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBTT	199.000 LF	_____.	_____.
0298	602.0815 Concrete Driveway 7-Inch	29.000 SY	_____.	_____.
0300	602.3010 Concrete Surface Drains	10.000 CY	_____.	_____.
0302	602.3220 Concrete Rumble Strips, Shoulder	26,290.000 LF	_____.	_____.
0304	603.1142 Concrete Barrier Type S42	6,417.000 LF	_____.	_____.
0306	603.1456 Concrete Barrier Type S56C	390.000 LF	_____.	_____.
0308	603.8000 Concrete Barrier Temporary Precast Delivered	54,038.000 LF	_____.	_____.
0310	603.8125 Concrete Barrier Temporary Precast Installed	67,275.000 LF	_____.	_____.
0312	603.8500 Anchoring Concrete Barrier Temporary Precast	4,725.000 LF	_____.	_____.
0314	604.0400 Slope Paving Concrete	88.000 SY	_____.	_____.
0316	604.0500 Slope Paving Crushed Aggregate	2,595.000 SY	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0318	606.0200 Riprap Medium	248.000 CY	_____.	_____.
0320	606.0300 Riprap Heavy	1,661.000 CY	_____.	_____.
0322	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	58.000 LF	_____.	_____.
0324	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	99.000 LF	_____.	_____.
0326	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	43.000 LF	_____.	_____.
0328	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	2,527.000 LF	_____.	_____.
0330	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	309.000 LF	_____.	_____.
0332	608.0442 Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	412.000 LF	_____.	_____.
0334	611.0535 Manhole Covers Type J-Special	8.000 EACH	_____.	_____.
0336	611.0606 Inlet Covers Type B	2.000 EACH	_____.	_____.
0338	611.0624 Inlet Covers Type H	13.000 EACH	_____.	_____.
0340	611.0642 Inlet Covers Type MS	31.000 EACH	_____.	_____.
0342	611.0651 Inlet Covers Type S	4.000 EACH	_____.	_____.
0344	611.0654 Inlet Covers Type V	6.000 EACH	_____.	_____.
0346	611.2004 Manholes 4-FT Diameter	4.000 EACH	_____.	_____.





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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0348	611.2005 Manholes 5-FT Diameter	3.000 EACH	_____.	_____.
0350	611.2006 Manholes 6-FT Diameter	1.000 EACH	_____.	_____.
0352	611.3004 Inlets 4-FT Diameter	5.000 EACH	_____.	_____.
0354	611.3220 Inlets 2x2-FT	6.000 EACH	_____.	_____.
0356	611.3230 Inlets 2x3-FT	13.000 EACH	_____.	_____.
0358	611.3901 Inlets Median 1 Grate	4.000 EACH	_____.	_____.
0360	611.3902 Inlets Median 2 Grate	15.000 EACH	_____.	_____.
0362	611.8120.S Cover Plates Temporary	2.000 EACH	_____.	_____.
0364	612.0206 Pipe Underdrain Unperforated 6-Inch	300.000 LF	_____.	_____.
0366	612.0406 Pipe Underdrain Wrapped 6-Inch	10,070.000 LF	_____.	_____.
0368	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	12.000 EACH	_____.	_____.
0370	614.0150 Anchor Assemblies for Steel Plate Beam Guard	15.000 EACH	_____.	_____.
0372	614.0220 Steel Thrie Beam Bullnose Terminal	4.000 EACH	_____.	_____.
0374	614.0230 Steel Thrie Beam	154.000 LF	_____.	_____.
0376	614.0397 Guardrail Mow Strip Emulsified Asphalt	3,415.000 SY	_____.	_____.
0378	614.0905 Crash Cushions Temporary	24.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0380	614.0920 Salvaged Rail	2,303.000 LF	_____.	_____.
0382	614.0925 Salvaged Guardrail End Treatments	8.000 EACH	_____.	_____.
0384	614.2300 MGS Guardrail 3	4,705.000 LF	_____.	_____.
0386	614.2330 MGS Guardrail 3 K	75.000 LF	_____.	_____.
0388	614.2500 MGS Thrie Beam Transition	1,080.000 LF	_____.	_____.
0390	614.2610 MGS Guardrail Terminal EAT	19.000 EACH	_____.	_____.
0392	614.2620 MGS Guardrail Terminal Type 2	7.000 EACH	_____.	_____.
0394	616.0100 Fence Woven Wire (height) 01. 4-ft	17,340.000 LF	_____.	_____.
0396	616.0206 Fence Chain Link 6-FT	881.000 LF	_____.	_____.
0398	616.0700.S Fence Safety	17,820.000 LF	_____.	_____.
0400	618.0100 Maintenance and Repair of Haul Roads (project) 01. 1010-10-82	1.000 EACH	_____.	_____.
0402	619.1000 Mobilization	1.000 EACH	_____.	_____.
0404	623.0200 Dust Control Surface Treatment	143,890.000 SY	_____.	_____.
0406	624.0100 Water	1,488.000 MGAL	_____.	_____.
0408	625.0100 Topsoil	73,393.000 SY	_____.	_____.
0410	625.0500 Salvaged Topsoil	163,062.000 SY	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0412	627.0200 Mulching	29,269.000 SY	_____.	_____.
0414	628.1504 Silt Fence	17,845.000 LF	_____.	_____.
0416	628.1520 Silt Fence Maintenance	42,564.000 LF	_____.	_____.
0418	628.1530.S Silt Fence Heavy Duty	8,433.000 LF	_____.	_____.
0420	628.1535.S Silt Fence Heavy Duty Maintenance	22,230.000 LF	_____.	_____.
0422	628.1905 Mobilizations Erosion Control	57.000 EACH	_____.	_____.
0424	628.1910 Mobilizations Emergency Erosion Control	30.000 EACH	_____.	_____.
0426	628.2002 Erosion Mat Class I Type A	113,465.000 SY	_____.	_____.
0428	628.2004 Erosion Mat Class I Type B	81,771.000 SY	_____.	_____.
0430	628.2008 Erosion Mat Urban Class I Type B	12,782.000 SY	_____.	_____.
0432	628.5505 Polyethylene Sheeting	310.000 SY	_____.	_____.
0434	628.6510 Soil Stabilizer Type B	2.000 ACRE	_____.	_____.
0436	628.7005 Inlet Protection Type A	69.000 EACH	_____.	_____.
0438	628.7010 Inlet Protection Type B	124.000 EACH	_____.	_____.
0440	628.7015 Inlet Protection Type C	33.000 EACH	_____.	_____.
0442	628.7504 Temporary Ditch Checks	2,490.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0444	628.7555 Culvert Pipe Checks	118.000 EACH	_____.	_____.
0446	628.7560 Tracking Pads	8.000 EACH	_____.	_____.
0448	628.7570 Rock Bags	1,126.000 EACH	_____.	_____.
0450	629.0210 Fertilizer Type B	163.000 CWT	_____.	_____.
0452	630.0130 Seeding Mixture No. 30	3,207.000 LB	_____.	_____.
0454	630.0180 Seeding Mixture No. 80	13.000 LB	_____.	_____.
0456	630.0200 Seeding Temporary	6,113.000 LB	_____.	_____.
0458	630.0300 Seeding Borrow Pit	470.000 LB	_____.	_____.
0460	630.0500 Seed Water	4,084.000 MGAL	_____.	_____.
0462	632.0201 Shrubs (species, root, size) 01. Species 1, Bare Root Stock (BR), 12" - 18"	3,138.000 EACH	_____.	_____.
0464	632.9101 Landscape Planting Surveillance and Care Cycles	30.000 EACH	_____.	_____.
0466	633.0100 Delineator Posts Steel	50.000 EACH	_____.	_____.
0468	633.0200 Delineators Flexible	225.000 EACH	_____.	_____.
0470	633.0500 Delineator Reflectors	66.000 EACH	_____.	_____.
0472	633.1000 Delineators Barrier Wall	133.000 EACH	_____.	_____.
0474	633.5100 Markers ROW	27.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0476	633.5200 Markers Culvert End	13.000 EACH	_____.	_____.
0478	634.0616 Posts Wood 4x6-Inch X 16-FT	49.000 EACH	_____.	_____.
0480	634.0618 Posts Wood 4x6-Inch X 18-FT	17.000 EACH	_____.	_____.
0482	634.0620 Posts Wood 4x6-Inch X 20-FT	9.000 EACH	_____.	_____.
0484	635.0200 Sign Supports Structural Steel HS	1,635.000 LB	_____.	_____.
0486	636.0050.S Foundation Drilling (diameter) 01. 36-Inch Diameter	5,010.000 LF	_____.	_____.
0488	637.2210 Signs Type II Reflective H	571.000 SF	_____.	_____.
0490	637.2230 Signs Type II Reflective F	181.000 SF	_____.	_____.
0492	638.2101 Moving Signs Type I	5.000 EACH	_____.	_____.
0494	638.2102 Moving Signs Type II	95.000 EACH	_____.	_____.
0496	638.2602 Removing Signs Type II	61.000 EACH	_____.	_____.
0498	638.3000 Removing Small Sign Supports	65.000 EACH	_____.	_____.
0500	638.3100 Removing Structural Steel Sign Supports	6.000 EACH	_____.	_____.
0502	638.4000 Moving Small Sign Supports	101.000 EACH	_____.	_____.
0504	638.4100 Moving Structural Steel Sign Supports	2.000 EACH	_____.	_____.
0506	643.0300 Traffic Control Drums	577,529.000 DAY	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0508	643.0420 Traffic Control Barricades Type III	15,470.000 DAY	_____.	_____.
0510	643.0500 Traffic Control Flexible Tubular Marker Posts	70.000 EACH	_____.	_____.
0512	643.0600 Traffic Control Flexible Tubular Marker Bases	70.000 EACH	_____.	_____.
0514	643.0705 Traffic Control Warning Lights Type A	30,940.000 DAY	_____.	_____.
0516	643.0715 Traffic Control Warning Lights Type C	80,739.000 DAY	_____.	_____.
0518	643.0800 Traffic Control Arrow Boards	685.000 DAY	_____.	_____.
0520	643.0900 Traffic Control Signs	82,785.000 DAY	_____.	_____.
0522	643.0920 Traffic Control Covering Signs Type II	50.000 EACH	_____.	_____.
0524	643.1000 Traffic Control Signs Fixed Message	263.250 SF	_____.	_____.
0526	643.1050 Traffic Control Signs PCMS	280.000 DAY	_____.	_____.
0528	643.1051 Traffic Control Signs PCMS with Cellular Communications	2,500.000 DAY	_____.	_____.
0530	643.1055.S Truck or Trailer Mounted Attenuator	100.000 DAY	_____.	_____.
0532	643.1200.S Portable Automated Real-Time Traffic Queue Warning System	2,500.000 DAY	_____.	_____.
0534	643.3165 Temporary Marking Line Paint 6-Inch	35,850.000 LF	_____.	_____.
0536	643.3170 Temporary Marking Line Epoxy 6-Inch	209,020.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20240409001 Project(s): 1010-10-82

Federal ID(s): WISC 2024324

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0538	643.3180 Temporary Marking Line Removable Tape 6-Inch	10,000.000 LF	_____.	_____.
0540	643.3760 Temporary Marking Raised Pavement Marker Type I	2,000.000 EACH	_____.	_____.
0542	643.4100 Traffic Control Interim Lane Closure	98.000 EACH	_____.	_____.
0544	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0546	645.0111 Geotextile Type DF Schedule A	4,796.000 SY	_____.	_____.
0548	645.0120 Geotextile Type HR	3,413.000 SY	_____.	_____.
0550	645.0220 Geogrid Type SR	6,330.000 SY	_____.	_____.
0552	646.1020 Marking Line Epoxy 4-Inch	18,380.000 LF	_____.	_____.
0554	646.2020 Marking Line Epoxy 6-Inch	9,360.000 LF	_____.	_____.
0556	646.2025 Marking Line Grooved Black Epoxy 6-Inch	11,370.000 LF	_____.	_____.
0558	646.2040 Marking Line Grooved Wet Ref Epoxy 6-Inch	45,450.000 LF	_____.	_____.
0560	646.2050 Marking Line Grooved Permanent Tape 6-Inch	11,370.000 LF	_____.	_____.
0562	646.5520 Marking Outfall Epoxy	12.000 EACH	_____.	_____.
0564	646.6120 Marking Stop Line Epoxy 18-Inch	66.000 LF	_____.	_____.
0566	646.9000 Marking Removal Line 4-Inch	52,110.000 LF	_____.	_____.





Proposal Schedule of Items

Proposal ID: 20240409001 Project(s): 1010-10-82

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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0568	646.9010 Marking Removal Line Water Blasting 4-Inch	8,460.000 LF	_____.	_____.
0570	646.9050 Marking Removal Line Grooved Permanent Tape 4-Inch	4,980.000 LF	_____.	_____.
0572	650.4000 Construction Staking Storm Sewer	78.000 EACH	_____.	_____.
0574	650.4500 Construction Staking Subgrade	37,303.000 LF	_____.	_____.
0576	650.5000 Construction Staking Base	22,770.000 LF	_____.	_____.
0578	650.5500 Construction Staking Curb Gutter and Curb & Gutter	998.000 LF	_____.	_____.
0580	650.6000 Construction Staking Pipe Culverts	11.000 EACH	_____.	_____.
0582	650.6501 Construction Staking Structure Layout (structure) 01. B-11-184	1.000 EACH	_____.	_____.
0584	650.6501 Construction Staking Structure Layout (structure) 02. B-11-183	1.000 EACH	_____.	_____.
0586	650.6501 Construction Staking Structure Layout (structure) 03. B-11-182	1.000 EACH	_____.	_____.
0588	650.6501 Construction Staking Structure Layout (structure) 04. R-11-44	1.000 EACH	_____.	_____.
0590	650.6501 Construction Staking Structure Layout (structure) 05. R-11-45	1.000 EACH	_____.	_____.
0592	650.6501 Construction Staking Structure Layout (structure) 06. B-11-185	1.000 EACH	_____.	_____.
0594	650.6501 Construction Staking Structure Layout (structure) 07. R-11-46	1.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0596	650.6501 Construction Staking Structure Layout (structure) 08. R-11-47	1.000 EACH	_____.	_____.
0598	650.6501 Construction Staking Structure Layout (structure) 09. R-11-48	1.000 EACH	_____.	_____.
0600	650.6501 Construction Staking Structure Layout (structure) 10. C-11-11	1.000 EACH	_____.	_____.
0602	650.7000 Construction Staking Concrete Pavement	14,933.000 LF	_____.	_____.
0604	650.7500 Construction Staking Concrete Barrier	332.000 LF	_____.	_____.
0606	650.8000 Construction Staking Resurfacing Reference	9,567.000 LF	_____.	_____.
0608	650.9911 Construction Staking Supplemental Control (project) 01. 1010-10-82	1.000 EACH	_____.	_____.
0610	650.9920 Construction Staking Slope Stakes	37,303.000 LF	_____.	_____.
0612	652.0125 Conduit Rigid Metallic 2-Inch	90.000 LF	_____.	_____.
0614	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	1,530.000 LF	_____.	_____.
0616	652.0605 Conduit Special 2-Inch	490.000 LF	_____.	_____.
0618	652.0700.S Install Conduit into Existing Item	1.000 EACH	_____.	_____.
0620	653.0140 Pull Boxes Steel 24x42-Inch	7.000 EACH	_____.	_____.
0622	653.0905 Removing Pull Boxes	10.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0624	654.0105 Concrete Bases Type 5	1.000 EACH	_____.	_____.
0626	655.0515 Electrical Wire Traffic Signals 10 AWG	135.000 LF	_____.	_____.
0628	655.0625 Electrical Wire Lighting 6 AWG	1,635.000 LF	_____.	_____.
0630	655.0635 Electrical Wire Lighting 2 AWG	4,720.000 LF	_____.	_____.
0632	656.0201 Electrical Service Meter Breaker Pedestal (location) 50. MBDMS110060	1.000 EACH	_____.	_____.
0634	656.0201 Electrical Service Meter Breaker Pedestal (location) 51. MBCCTV110024	1.000 EACH	_____.	_____.
0636	656.0201 Electrical Service Meter Breaker Pedestal (location) 52. MBDMS110057	1.000 EACH	_____.	_____.
0638	670.0101 Field System Integrator	1.000 EACH	_____.	_____.
0640	670.0201 ITS Documentation	1.000 EACH	_____.	_____.
0642	673.1225.S Install Pole Mounted Cabinet	3.000 EACH	_____.	_____.
0644	674.0300 Remove Cable	1,605.000 LF	_____.	_____.
0646	674.0400 Reinstall Cable	145.000 LF	_____.	_____.
0648	677.0150 Install Camera Pole 50-FT	1.000 EACH	_____.	_____.
0650	677.0200 Install Camera Assembly	1.000 EACH	_____.	_____.
0652	677.9051.S Removing 50-FT Camera Pole	1.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0654	677.9200.S Removing CCTV Camera	1.000 EACH	_____.	_____.
0656	678.0006 Install Fiber Optic Cable Outdoor Plant 6-CT	135.000 LF	_____.	_____.
0658	678.0200 Fiber Optic Splice Enclosure	1.000 EACH	_____.	_____.
0660	678.0300 Fiber Optic Splice	4.000 EACH	_____.	_____.
0662	678.0400 Fiber Optic Termination	6.000 EACH	_____.	_____.
0664	678.0501 Communication System Testing	1.000 EACH	_____.	_____.
0666	678.0600 Install Ethernet Switches	2.000 EACH	_____.	_____.
0668	690.0150 Sawing Asphalt	14,411.000 LF	_____.	_____.
0670	690.0250 Sawing Concrete	9,594.000 LF	_____.	_____.
0672	715.0502 Incentive Strength Concrete Structures	174,548.000 DOL	1.00000	174,548.00
0674	715.0603 Incentive Strength Concrete Barrier	3,412.000 DOL	1.00000	3,412.00
0676	715.0715 Incentive Flexural Strength Concrete Pavement	35,622.000 DOL	1.00000	35,622.00
0678	740.0440 Incentive IRI Ride	33,240.000 DOL	1.00000	33,240.00
0680	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	4,000.000 HRS	5.00000	20,000.00
0682	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	2,750.000 HRS	5.00000	13,750.00



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0684	SPV.0035 Special 01. High Performance Concrete (HPC) Masonry Structures	13,080.000 CY	_____.	_____.
0686	SPV.0035 Special 02. Concrete Masonry Soldier Pile Footings	780.000 CY	_____.	_____.
0688	SPV.0045 Special 01. Digital Speed Reduction System (DSRS)	2,500.000 DAY	_____.	_____.
0690	SPV.0060 Special 01. Temporary Concrete Barrier Gate	5.000 EACH	_____.	_____.
0692	SPV.0060 Special 02. Pile Dynamic Analyzer (PDA) Testing	8.000 EACH	_____.	_____.
0694	SPV.0060 Special 03. Pile Dynamic Analyzer (PDA) Restrikes	8.000 EACH	_____.	_____.
0696	SPV.0060 Special 04. Case Pile Wave Analysis Program (CAPWAP) Evaluation	4.000 EACH	_____.	_____.
0698	SPV.0060 Special 05. Utility Line Opening (ULO)	25.000 EACH	_____.	_____.
0700	SPV.0060 Special 06. Access Gate 6-Foot	9.000 EACH	_____.	_____.
0702	SPV.0060 Special 07. Tieback Anchors	184.000 EACH	_____.	_____.
0704	SPV.0060 Special 08. Tieback Anchor Performance Tests	10.000 EACH	_____.	_____.
0706	SPV.0060 Special 09. Crosshole Sonic Log (CSL) Testing, Wall Secant Pile 59.06-Inch	11.000 EACH	_____.	_____.
0708	SPV.0060 Special 10. Crosshole Sonic Log (CSL) Testing, Drilled Shaft Foundation 59.06-Inch	124.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0710	SPV.0060 Special 11. Thermal Integrity Profiler (TIP) Testing, Wall Secant Pile 59.06-Inch	11.000 EACH	_____.	_____.
0712	SPV.0060 Special 12. Thermal Integrity Profiler (TIP) Testing, Drilled Shaft 59.06-Inch	124.000 EACH	_____.	_____.
0714	SPV.0060 Special 13. Bar Couplers No. 18	159.000 EACH	_____.	_____.
0716	SPV.0060 Special 14. Pipe Connection to Existing Structure	4.000 EACH	_____.	_____.
0718	SPV.0060 Special 15. Remove, Salvage, and Reinstall Barricade Rack	1.000 EACH	_____.	_____.
0720	SPV.0060 Special 16. Emergency Response to Pavement Repairs	15.000 EACH	_____.	_____.
0722	SPV.0060 Special 17. Emergency Response to Traffic Incident Involving Concrete Barrier Temporary	15.000 EACH	_____.	_____.
0724	SPV.0060 Special 18. Emergency Response to Traffic Incident Involving Crash Cushion	8.000 EACH	_____.	_____.
0726	SPV.0060 Special 19. Emergency Response to Traffic Incident Involving Guardrail or EAT	10.000 EACH	_____.	_____.
0728	SPV.0060 Special 20. Repair State Owned Energy Absorbing Terminal (EAT)	5.000 EACH	_____.	_____.
0730	SPV.0060 Special 21. Research and Locate Existing Land Parcel Monuments	10.000 EACH	_____.	_____.
0732	SPV.0060 Special 22. Verify and Replace Existing Land Parcel Monuments	10.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0734	SPV.0060 Special 23. Winter Shoulder Maintenance	10.000 EACH	_____.	_____.
0736	SPV.0060 Special 24. Cofferdams B-11-184 Pier 12	1.000 EACH	_____.	_____.
0738	SPV.0060 Special 25. Underwater Scour Monitoring	10.000 EACH	_____.	_____.
0740	SPV.0060 Special 26. Shaft Inspection Device (SID) Testing, Trial Drilled Shaft 59.06-Inch	4.000 EACH	_____.	_____.
0742	SPV.0060 Special 27. Shaft Inspection Device (SID) Testing, Drilled Shaft 59.06-Inch	120.000 EACH	_____.	_____.
0744	SPV.0060 Special 28. Geotechnical Borings, Equipment Mobilization	2.000 EACH	_____.	_____.
0746	SPV.0060 Special 29. Rock Unconfined Compressive Strength Testing	80.000 EACH	_____.	_____.
0748	SPV.0060 Special 30. Trial Drilled Shaft Foundation 59.06-Inch	4.000 EACH	_____.	_____.
0750	SPV.0060 Special 31. Temporary Sediment Traps	20.000 EACH	_____.	_____.
0752	SPV.0060 Special 32. Temporary Access for Wisconsin River Structure Construction and Demolition	1.000 EACH	_____.	_____.
0754	SPV.0060 Special 51. Removing Controller Cabinet	1.000 EACH	_____.	_____.
0756	SPV.0060 Special 52. Removing Controller Cabinet Base	1.000 EACH	_____.	_____.
0758	SPV.0060 Special 53. Removing Electrical Service Meter Breaker Pedestal	3.000 EACH	_____.	_____.





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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0760	SPV.0060 Special 54. Salvage Structural Steel Sign Support Stubs	2.000 EACH	_____.	_____.
0762	SPV.0060 Special 55. Salvage Hybrid DMS Assembly	1.000 EACH	_____.	_____.
0764	SPV.0060 Special 56. Ground Rod	3.000 EACH	_____.	_____.
0766	SPV.0060 Special 57. Install Salvaged Pole	1.000 EACH	_____.	_____.
0768	SPV.0060 Special 58. Install Salvaged Steel Sign Support Stub	2.000 EACH	_____.	_____.
0770	SPV.0060 Special 59. Install Ethernet Radio	2.000 EACH	_____.	_____.
0772	SPV.0060 Special 60. Temporary Poles Wood 40-Foot	1.000 EACH	_____.	_____.
0774	SPV.0060 Special 61. Install Solar Power System Assembly	1.000 EACH	_____.	_____.
0776	SPV.0060 Special 62. Install Hybrid Dynamic Message Sign	2.000 EACH	_____.	_____.
0778	SPV.0075 Special 01. Obstructions Wall Secant Pile	6.000 HRS	_____.	_____.
0780	SPV.0075 Special 02. Obstructions Foundation Drilling	56.000 HRS	_____.	_____.
0782	SPV.0075 Special 03. Obstructions Drilled Shaft Foundation	60.000 HRS	_____.	_____.
0784	SPV.0075 Special 04. Obstructions Rigid Inclusion System	5.000 HRS	_____.	_____.
0786	SPV.0085 Special 01. Seeding Mixture Wetland	382.000 LB	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0788	SPV.0090 Special 01. Removing Asphaltic Rumble Strips	33,090.000 LF	_____.	_____.
0790	SPV.0090 Special 02. Removing Concrete Rumble Strips	4,055.000 LF	_____.	_____.
0792	SPV.0090 Special 03. Traffic Control Gawk Screen Furnished	21,813.000 LF	_____.	_____.
0794	SPV.0090 Special 04. Traffic Control Gawk Screen Installed	28,175.000 LF	_____.	_____.
0796	SPV.0090 Special 05. Traffic Control Glare Screen Furnished	15,305.000 LF	_____.	_____.
0798	SPV.0090 Special 06. Traffic Control Glare Screen Installed	15,305.000 LF	_____.	_____.
0800	SPV.0090 Special 07. Wall Secant Pile 59.06-Inch	693.000 LF	_____.	_____.
0802	SPV.0090 Special 08. Piling Steel HP 14-Inch X 89 Lb	4,960.000 LF	_____.	_____.
0804	SPV.0090 Special 09. Temporary Snow Fence	4,181.000 LF	_____.	_____.
0806	SPV.0090 Special 10. Bore and Jack Culvert Pipe Reinforced Concrete Class IV 42-Inch	76.000 LF	_____.	_____.
0808	SPV.0090 Special 11. Repair State Owned Guardrail	125.000 LF	_____.	_____.
0810	SPV.0090 Special 12. Drilled Shaft Foundation 59.06-Inch	13,200.000 LF	_____.	_____.
0812	SPV.0090 Special 13. Geotechnical Boring, Soil Drilling 0-50 feet	980.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0814	SPV.0090 Special 14. Geotechnical Boring, Soil Drilling 51-100 feet	460.000 LF	_____.	_____.
0816	SPV.0090 Special 15. Geotechnical Boring, Soil Drilling 101-150 feet	160.000 LF	_____.	_____.
0818	SPV.0090 Special 16. Geotechnical Boring, Rock Coring 0-50 feet	20.000 LF	_____.	_____.
0820	SPV.0090 Special 17. Geotechnical Boring, Rock Coring 51-100 feet	520.000 LF	_____.	_____.
0822	SPV.0090 Special 18. Geotechnical Boring, Rock Coring 101-150 feet	300.000 LF	_____.	_____.
0824	SPV.0090 Special 19. Geotechnical Boring, Rock Coring 151-200 feet	160.000 LF	_____.	_____.
0826	SPV.0110 Special 01. Timber Lagging	93.000 MBM	_____.	_____.
0828	SPV.0135 Special 01. Field Office Special	45.000 MON	_____.	_____.
0830	SPV.0165 Special 01. Longitudinal Grooving Bridge Deck	163,091.000 SF	_____.	_____.
0832	SPV.0165 Special 02. Wall Concrete Panel Mechanically Stabilized Earth R-11-44	1,386.000 SF	_____.	_____.
0834	SPV.0165 Special 03. Wall Concrete Panel Mechanically Stabilized Earth R-11-45	1,473.000 SF	_____.	_____.
0836	SPV.0165 Special 04. Wall Concrete Panel Mechanically Stabilized Earth R-11-46	2,067.000 SF	_____.	_____.
0838	SPV.0165 Special 05. Wall Concrete Panel Mechanically Stabilized Earth R-11-47	2,059.000 SF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0840	SPV.0165 Special 06. Temporary Wall Wire Faced Mechanically Stabilized Earth	1,250.000 SF	_____.	_____.
0842	SPV.0165 Special 07. Geocomposite Drain Board	13,540.000 SF	_____.	_____.
0844	SPV.0165 Special 08. Geocomposite Wall Drain	210.000 SF	_____.	_____.
0846	SPV.0165 Special 09. Ground Improvement Rigid Inclusion System	61,305.000 SF	_____.	_____.
0848	SPV.0180 Special 01. Concrete Pavement 12-Inch Special	118,740.000 SY	_____.	_____.
0850	608.0005 Storm Sewer Rock Excavation	875.000 CY	_____.	_____.
0852	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	39.000 LF	_____.	_____.
<b>Section: 0001</b>			<b>Total:</b>	_____.
			<b>Total Bid:</b>	_____.

