



Wisconsin Department of Transportation

July 11, 2018

Division of Transportation Systems Development
Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

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

NOTICE TO ALL CONTRACTORS:

Proposal #1: 1030-20-84, WISC 2018 380
N-S Freeway
South Milwaukee Roadway/Mainline
IH 94
Milwaukee County

1030-20-87, WISC 2018 381
N-S Freeway
Elm Road Interchange
IH 94
Milwaukee County

1035-01-72, WISC 2018 382
N-S Freeway
7 Mile Road Interchange
7 Mile Road Crossroads
IH 94
Racine County

1035-01-74, WISC 2018 383
N-S Freeway
7 Mile Road Interchange
Mainline & Ramps
IH 94
Racine County

1035-01-79, WISC 2018 384
N-S Freeway
CTH G to 7 Mile Road Mainline
IH 94
Racine County

1035-01-82, WISC 2018 385
N-S Freeway
7 Mile Road to Milwaukee Co. Line
Mainline
IH 94
Racine County

Letting of July 24, 2018

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
8	Utilities
112	Pond Liner Clay, Item 640.1303.S
143	EBS Excavation, Item SPV.0035.0008
221	Partial Depth Precast Prestressed Concrete Deck Panels B-40-800, Item SPV.0165.4012; B-40-801, Item SPV.0165.4020; B-40-802, Item SPV.0165.4030; B-51-139, Item SPV.0165.4040; B-51-140, Item SPV.0165.4050

Added Special Provisions	
Article No.	Description
237	Disposing of Surplus or Unsuitable Material

Deleted Special Provisions	
Article No.	Description
138	Pond Liner Clay, Item SPV.0035.0001

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
205.0100	Excavation Common **P**	CY	1,041,726	-72	1,041,654
502.0100	Concrete Masonry Bridges **P**	CY	4,130	68	4,198
505.0600	Bar Steel Reinforcement HS Coated Structures	LB	1,974,870	620	1,975,490
608.0515	Storm Sewer Pipe Reinforced Concrete Class V 15-Inch	LF	154	10	164
611.0642	Inlet Covers Type MS	EACH	59	2	61
611.3902	Inlets Median 2 Grate	EACH	27	1	28
628.7005	Inlet Protection Type A	EACH	797	1	798
643.1000	Traffic Control Signs Fixed Message	SF	3768.75	48	3816.75
SPV.0035	0008. EBS Excavation	CY	135,603	-11	135,592
SPV.0035	0009. EBS Backfill	CY	135,603	-11	135,592
SPV.0035	4000. HPC Masonry Structures **P**	CY	7,511	-28	7,483
SPV.0195	0012. Subgrade Strengthening Treatment	TON	42,025	-2	42,023

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
606.0100	Riprap Light	CY	0	1,900	1,900
645.0130	Geotextile Fabric Type R	SY	0	325	325

Plan Sheets:

ID 1030-20-84 Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
189	Erosion Control - Stage 1 and 2 - Added inlet protection for new inlet 305A and adjusted erosion mat based on revised slope intercepts
237	Storm Sewer - Added inlet 305A to eliminate ditch at West Shore Pipeline crossing
238	Storm Sewer - Added inlet 305A to eliminate ditch at West Shore Pipeline crossing

581	Miscellaneous Quantities - Updated earthwork summary for revised ditch at new inlet 305A, deleted note regarding wasting EBS off site
605	Miscellaneous Quantities - Added inlet 305A
612	Miscellaneous Quantities - Added pipe from inlet 305A to inlet 306
628	Miscellaneous Quantities - Added inlet protection for inlet 305A
709	Plan and Profile: IH 94 - Revised slope intercept at revised ditch at new inlet 305A
710	Plan and Profile: IH 94 - Revised slope intercept at revised ditch at new inlet 305A
722	Plan and Profile: IH 94 - Revised slope intercept at revised ditch at new inlet 305A
967	Structure Plans- B-40-806-General Plan & Elevation- Added 2 year storm information
980	Structure Plans- B-40-806-South Structural Approach Slab- Revised approach slab width dimension
989	Structure Plans- B-40-807-General Plan & Elevation- Added 2 year storm information
1085	Structure Plans- S-40-819-Plan and Elevation- Revised elevations
1089	Structure Plans- S-40-819-Concrete Foundation- Revised elevations
1090	Structure Plans- S-40-819-Concrete Column and Reinforcement Details- Revised elevations
1112	Earthwork - Updated earthwork for revised ditch at new inlet 305A
1113	Earthwork - Updated earthwork for revised ditch at new inlet 305A
1479	Cross Sections: IH 94 SB - Revised ditch at new inlet 305A

ID 1030-20-87 Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
217	Southeast Wet Detention Pond (Added Rock Toe)
218	Southeast Wet Detention Pond (Added Rock Toe)
220	Northwest Wet Detention Pond (Added Rock Toe)
221	Northwest Wet Detention Pond (Added Rock Toe)
362	Miscellaneous Quantities (Revised Note 2 on Earthwork Summary)
707	Structure Plan B-40-800 - General Plan & Elevation (Cofferdam limits extended)
709	Structure Plan B-40-800 – Quantities and Profile Grade Lines (Concrete quantity revised)
742	Structure Plan B-40-801 – Quantities and Profile Grade Lines (Concrete quantity revised)
776	Structure Plan B-40-802 – Quantities and Profile Grade Lines (Concrete quantity revised)

(ID 1035-01-72) Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
94	Miscellaneous Quantities (Revised Note 2 on Earthwork Summary)

ID 1035-01-74 Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
206	Detour Plan (Updated legend and traffic control signs)
207	Detour Plan (Updated legend)
209	Detour Plan (Updated legend)
231	Miscellaneous Quantities (Revised Note 2 on Earthwork Summary)
252	Miscellaneous Quantities (Redistributed traffic control sign qtys, but no overall qty change)
254	Miscellaneous Quantities (Revised Traffic Control Signs Fixed Message quantity)
469	Structure Plan B-51-139- Quantities and Design Data- Concrete and Reinforcement Quantity revised
477	Structure Plan B-51-139- Pier Geometry- Column height dimension revised
481	Structure Plan B-51-139- Pier Geometry- Column height dimension revised
487	Structure Plan B-51-139- Superstructure Details- Diaphragm Reinforcement revised

488	Structure Plan B-51-139- Superstructure Bill of Bars- Bill of bars revised
498	Structure Plan B-51-140- Quantities and Design Data- Concrete and Reinforcement Quantity revised
516	Structure Plan B-51-140- Superstructure Details- Diaphragm Reinforcement revised
517	Structure Plan B-51-140- Superstructure Bill of Bars- Bill of bars revised

(ID 1035-01-79) Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
150	Miscellaneous Quantities (Revised Note 2 on Earthwork Summary)

(ID 1035-01-82) Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
125	Miscellaneous Quantities (Revised Note 2 on Earthwork Summary)

(ID 1030-20-87) Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
378A	Miscellaneous Quantities (Added Rock Toe Items)

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 02

PROJECT ID 1030-20-84/87, 1035-01-72/74/79/82

July 11, 2018

Special Provisions

8. Utilities.

*Under the heading **Project 1030-20-84**, make the following changes:*

*Replace entire section titled **Oak Creek Water & Sewer Utility (water)** with the following:*

Oak Creek Water & Sewer Utility has existing water facilities within the project limits in the following locations:

- An underground 24-inch water main beginning beyond the westerly project limits and running easterly, crossing IH 94 at Station 260+15, and continuing easterly to beyond the project limits. This line will remain in place without adjustment. Expose the main prior to any excavation over this water main. Use caution and protect the main when working in this area.
- An underground 24-inch water main beginning beyond the westerly project limits and running easterly, crossing IH 94 at Station 296+15, and continuing easterly to beyond the project limits. During construction, Oak Creek Water and Sewer Utility will relocate this line beginning at Station 296+40, 167'LT and running easterly, crossing IH 94 at Station 296+39, and continuing easterly to Station 296+38, 163'RT. From there it will turn and run southeasterly to Station 296+00, 177'RT. Allow Oak Creek Water & Sewer Utility 60 days to relocate the water main beginning September 1, 2018.
- An underground 16-inch water main beginning beyond the westerly project limits and running easterly along a line 10 feet south of the northerly right-of-way of Puetz Road to Station 302+09, 127'LT where it turns and runs northeasterly to Station 302+29, 110'LT and then turns and runs easterly to Station 302+24. From there it runs southeasterly to Station 302+15, 88'LT, where it turns easterly and crosses IH 94 at Station 302+10, and continues easterly to Station 302+12, 71'RT. From there it runs northeasterly to Station 302+26, 84'RT and then runs easterly to Station 302+30, 111'RT where it turns and runs southeasterly to Station 302+11, 135'RT. From there it runs easterly to Station 302+11, 163'RT where it turns and runs southeasterly to Station 302+02, 174'RT, and then turns and runs easterly along the north side of Puetz Road to beyond the easterly project limits. During construction, Oak Creek Water & Sewer Utility will relocate this line beginning at Station 302+07, 199'LT and running northeasterly to Station 302+14, 195'LT, where it will turn and run easterly along a line 4 feet south of the northerly Puetz Road right-of-way, to Station 302+14, 132'LT. From there it will run northeasterly to Station 302+61, 102'LT, where it will turn and run easterly crossing IH 94 at Station 302+62, and then continue easterly to Station 302+63, 96'RT, where it will turn and run southeasterly and tie into the existing main at Station 302+11, 163'RT. The existing main will be discontinued in place between Station 302+07, 199'LT and Station 302+11, 163'RT. All other portions of this main will remain in place without adjustment. Allow Oak Creek Water & Sewer Utility 60 days to relocate the water main beginning September 1, 2018.

- An underground 16-inch water main beginning beyond the westerly project limits and running easterly and crossing IH 94 at Station 350+25, then continues easterly to beyond the project limits. This line will remain in place without adjustment.
- An underground 16-inch water main beginning beyond the westerly project limits and running easterly, crossing IH 94 at Station 384+74, and continuing easterly to beyond the project limits. This line will remain in place without adjustment.
- An underground 16-inch water main beginning beyond the westerly project limits and running easterly and crossing IH 94 at Station 419+79, then continues easterly to beyond the project limits. This line will remain in place without adjustment.
- Underground sacrificial anodes connected to a water main, beginning at Station 420RAA+00, 3'RT and running northerly to Station 420RAA+45, 8'RT. This line of anodes will remain in place without adjustment.
- Underground sacrificial anodes connected to a water main, beginning at Station 419RAD+17, 15'LT and running northerly to Station 420RAD+50, 18'LT. Oak Creek Water & Sewer Utility will reconstruct this line of anodes in place during construction. Allow Oak Creek Water & Sewer Utility 10 days to reconstruct the anodes.

Contact Ron Pritzlaff, (414) 570-8200 Ext. 24 office / (414) 852-3910 cell, of City of Oak Creek 10 days in advance to coordinate locations and any excavation near their facilities.

*Replace entire subsection titled **West Shore Pipeline Company** with the following:*

West Shore Pipeline Company has an underground petroleum pipeline within the project limits beginning beyond the westerly project limits and running easterly, crossing IH 94 at Station 424+46, and continuing easterly to beyond the project limits. This line will remain in place without adjustment. Cover over this pipeline is approximately 3 feet. Expose this line prior to any excavation, grading or construction of temporary or permanent pavement in the area of this pipeline. During construction and after removal of pavement in this area, West Shore Pipeline Company will construct a concrete cap over the pipeline between Station 424+46, 95'LT and Station 424+46, 115'LT. Allow West Shore Pipeline 10 days to complete this work.

*Under the heading **Project 1030-20-87**, make the following changes:*

*Replace paragraph two of subsection titled **AT&T Legacy (aka. AT&T Corporation)** with the following:*

During construction, AT&T Corporation will relocate a portion of this line beginning at the handhole at Station 790T+24, 86'RT and running northerly along the easterly S. 27th Street right of way to Station 806T+69, 75'RT where it will turn and run northeasterly to Station 807T+05, 95'RT. From there the line will continue northerly along the easterly right of way, crossing Elm Road at Station 10E+95 and then continuing northerly to Station 11E+95, 29'LT where it will turn and run northeasterly to Station 11E+50, 90'LT. From there it will turn and run easterly along a line 10' south of the northerly Elm Road right of way to Station 20E+22, 90'LT, where it will turn and run northeasterly to Station 22E+16, 150'LT. From there it will run easterly to Station 25E+30, 150'LT and then turn and run northeasterly along a line 10' southeasterly of the northwesterly IH 94 right of way to Station 194+17, 230'LT. From there it will turn and run northeasterly along the westerly IH 94 right of way, crossing Oakwood at Station 17KW+80, and continue northeasterly to Station 17E+90, 30' LT where it will turn and run easterly to Station 18E+69, 51'LT. From there it will run northerly along a line 10' east of the westerly IH 94 right of way, to Station 202+00, 162'LT, where it will turn easterly and connect to the existing duct package at Station 202+00, 142'LT. AT&T will discontinue

the existing line in place between Station 136+18, 433'LT and Station 202+00, 142'LT. All other portions of the duct package will remain in place without adjustment. Allow 60 days for AT&T Corporation to perform their relocations within the project limits.

*Replace the fourth bullet point under subsection titled **AT&T Wisconsin** with the following:*

- An underground communications line beginning beyond the westerly project limits and running easterly along a line approximately 14' north of the edge of Oakwood Road, crossing IH 94 at Station 195+42, and continuing easterly to beyond the easterly project limits. During construction, AT&T Wisconsin will relocate a portion of this line beginning at new handhole at Station 15KW+00, 28'LT and running southerly across Oakwood Road to Station 17KW+00, 13'RT where it will turn and run easterly along the southerly edge of pave to Station 21KW+85, 13'RT. From there it will turn and run northerly across Oakwood Road and end at a handhole at Station 21KW+85, 35'LT. AT&T will discontinue the existing line in place in the relocated area. All other portions of the line will remain in place without adjustment. Allow 30 days for AT&T Wisconsin to perform their relocations within the project limits.

*Replace the third bullet point under subsection titled **Charter Communications** with the following:*

- An overhead communications line on We Energies poles beginning beyond the westerly project limits and running easterly along the northerly Oakwood Road right of way to a pole at Station 18KW+76, 33'LT. During construction, Charter Communications will relocate this overhead line to a new We Energies' pole at Station 18KW+40, 33'LT and remove the existing overhead line between the new pole and the existing pole at Station 18KW+76, 33'LT. The remaining portions of this overhead line will remain in place without adjustment. Allow 10 days for Charter Communications to perform their removal within the project limits.

*Replace the third bullet point under subsection titled **Charter Communications** with the following:*

- An underground communications line beginning at a pole at Station 18KW+76, 33'LT and running easterly and crossing IH 94 at Station 195+38, and continuing easterly to a pole at Station 21KW+80, 35'LT. During construction and upon completion of We Energies pole relocations, Charter Communications will relocate this line beginning at a new We Energies' pole at Station 18KW+40, 33'LT and running southerly to Station 18KW+50, 20.5'LT where it will turn and run easterly to Station 21KW+68, 20.5'LT. From there it will turn and run northerly and end at the pole at Station 21KW+80, 35'LT. Charter will discontinue the existing underground line in place between Station 18KW+76, 33'LT and Station 21KW+80, 35'LT. Allow 14 days for Charter Communications to perform their relocations within the project limits.

*Replace the last two bullet points under subsection titled **We Energies - Electric** with the following:*

- An overhead electric line beginning beyond the westerly project limits and running easterly along the northerly Oakwood Road right of way, crossing IH 94 at Station 195+49, and continuing easterly along said right of way to beyond the easterly project limits. During construction, We Energies will construct a new pole at Station 18KW+40, 33'LT and remove the existing overhead line between the new pole and an existing pole at Station 21KW+80, 35'LT. We Energies will also construct a new underground duct package beginning at a pole at Station 16KW+58, 28'LT and running northeasterly to the northerly Oakwood Road right of way line and then running easterly to Station 18KW+09, 39'LT. From there it will run southeasterly to Station 18KW+57, 13' LT where it will turn and run easterly and connect to

an existing underground electric line at Station 19KW+10, 13'LT. Allow 20 days for We Energies to perform this relocation within the project limits.

- An underground electric line beginning at a pole at Station 16KW+58, 28'LT and running southerly to the northerly edge of pavement of Oakwood Road where it turns and runs easterly along the northerly edge of pavement, crossing IH 94 at Station 195+28, and continuing easterly to beyond the project limits. This line will be discontinued in place between Station 16KW+58, 28'LT and Station 19KW+10, 13'LT. All other portions of this line will remain in place without adjustment.

*Under the heading **Project 1035-01-82**, make the following changes:*

*Replace the third bullet point under subsection titled **AT&T Wisconsin** with the following:*

- An underground communications line beginning at Station 1268+81, and running northerly along westerly IH 94 right of way to Station 1275+86, 191'LT, then turn and runs easterly to Station 1275+92, 159'LT, then turns and runs northerly along the westerly IH 94 right of way to Station 4293+26, 225'LT, then turns and runs easterly to Station 4294+77, 60'RT then turns and runs northerly along the easterly S. 27th Street right of way to beyond the northerly project limits. During construction, AT&T will reconstruct and lower this line in place at the storm sewer culvert crossing at Station 4296+00, 38'RT. Allow AT&T Wisconsin 5 days to lower this line. All other portions of this line will remain in place without adjustment.

*Replace the first bullet point under section titled **Charter Communications** with the following:*

- An overhead communications line on We Energies poles beginning beyond the southerly project limits and running northerly along the westerly IH 94 right of way to Station 4290+88, 103'LT, then turns and runs northeasterly crossing the West Frontage Road at Station 4291+54 and continuing to Station 4291+85, 38'RT, then turns and runs northerly to a pole at Station 4293+54, 27'LT continuing north along the westerly S. 27th Street right of way to beyond the northerly project limits. During construction, Charter will relocate this line to new We Energies poles beginning at an existing pole at Station 4290+88, 103'LT and running northeasterly to a new pole at Station 4294+80, 100'LT. From there it will continue northeasterly and end at an existing pole at Station 4296+70, 103'LT. Charter will relocate this line to new We Energies' poles upon completion of We Energies' relocation as described below. Allow 20 days for Charter Communications to perform their relocations within the project limits.

*Replace the first bullet point under section titled **We Energies - Electric** with the following:*

- An overhead electric line beginning beyond the southerly project limits and running northerly along the westerly IH 94 right of way to Station 4290+88, 103'LT, then turns and runs northeasterly to Station 4291+85, 38'RT, then turns and runs northeasterly crossing the West Frontage Road at Station 4291+54 and continuing to Station 4291+85, 38'RT, then turns and runs northerly to a pole at Station 4293+54, 27'LT continuing north along the westerly S. 27th Street right of way to beyond the northerly project limits. During construction, We Energies will relocate the overhead line beginning at an existing pole at Station 4290+88, 103'LT and running northeasterly to a new pole at Station 4294+80, 100'LT. From there it will continue northeasterly and end at an existing pole at Station 4296+70, 103'LT. We Energies will perform the relocations beginning September 1, 2018. Allow 20 days for We Energies to perform this relocation within the project limits.

112. Pond Liner Clay, Item 640.1303.S.

Add the following section:

C.1.05 Pond Dewatering

The contractor is responsible for the temporary lowering of the water table below the bottom of excavation for the pond and maintaining the water table at that level at all times during construction and testing of the pond.

138. DELETED.

143. EBS Excavation, Item SPV.0035.0008.

Replace paragraph three under section titled C.2 Excavation Below Subgrade with the following:

Dispose of all excavated materials in accordance to standard spec 205.3.12 and the article "Disposing of Surplus or Unsuitable Material", at no expense to the department.

221. Partial Depth Precast Prestressed Concrete Deck Panels B-40-800, Item SPV.0165.4012; B-40-801, Item SPV.0165.4020; B-40-802, Item SPV.0165.4030; B-51-139, Item SPV.0165.4040; B-51-140, Item SPV.0165.4050.

Add the following section:

C.6 Alternative Deck Option

The contractor may propose the use of a full-depth, cast-in-place concrete deck in lieu of using Partial Depth Precast Prestressed Deck Panels for review and approval by the department by submitting the following:

- Request for Information (RFI) outlining the contractor's desire to make the change, including why the change is being made and indicating that no cost or contract time extensions are necessary to make the change.
- E-submittal of bridge post-let revision plans, stamped and signed by a registered PE in the state of Wisconsin, that works for a consulting firm that has a current QC/QA plan on file with the Bureau of Structures.
 - The consulting firm shall be in accordance with the Facilities Development Manual (FDM) section 8-5-3, conflict of interest provisions.
 - The post-let revision plans shall be in accordance with Wisconsin Bridge Manual (WBM) section 6.5.5.
 - The cast-in-place concrete deck shall conform to the details in WBM Chapter 17 and SPV.0035.4000 HPC Masonry Structures.
 - The post-let revision plans shall include revisions to all details in the contract plans that are affected by the change, including all additional details necessary to accurately show the change.
 - The department will provide the contractor and their structures design consultant with electronic CAD files from the original bridge designer to facilitate a more efficient plan revision process.
- If the Alternative Deck Option is pursued, the department will continue to pay for the deck as Partial Depth Precast Prestressed Concrete Deck Panels (Structure). The department will not measure Partial Depth Precast Prestressed Concrete Deck Panels (Structure). The department will use pay plan quantity conforming to standard spec 109.1.1.2.

- If the Alternative Deck Option is pursued, the Lane Rental Fee Assessment article will apply to additional roadway closures required by the contractor beyond the closures allowed in the Prosecution and Progress article.

Replace section titled **D Measurement** with the following:

D Measurement

The department will not measure Partial Depth Precast Prestressed Concrete Deck Panels (Structure). The department will use pay plan quantity conforming to standard spec 109.1.1.2.

Add the following at the end of section titled **E Payment**:

Payment for the Alternative Deck Option is full compensation for furnishing all materials, including concrete masonry and reinforcement; all forming and removal of the forms; hauling, placing and finishing the HPC Masonry Structures; concrete curing compound; any tie bars and dowels bars required; cleaning up the site of work; and removing and disposing of all surplus materials.

237. Disposing of Surplus or Unsuitable Material.

Dispose of surplus or unsuitable material from the project as indicated in the standard specifications, as approved by the engineer, and as follows.

Add the following to 205.3.12 of the standard specifications:

When disposing of surplus or unsuitable material within the right of way, construct slopes no steeper than 3:1, and no steeper than 4:1 inside the clear zone, maintain traversable ditch slopes inside the clear zone, and provide for drainage of the material disposal areas within the right of way, as approved by the engineer. From Sta 170+00 RT to Sta 192+00 RT (ID 1030-20-87), surplus or unsuitable material may be deposited along the roadside to 15' above the elevation of the adjacent surface elevation at the right of way, as approved by the engineer and in accordance to the standard specifications. From Sta 1278+00 RT to Sta 1286+00 RT (ID 1035-01-82), surplus or unsuitable material may be deposited along the roadside to 10' above the elevation of the adjacent I-94 roadbed, as approved by the engineer and in accordance to the standard specifications.

Schedule of Items

Attached, dated July 11, 2018, are the revised Schedule of Items Pages 7, 12, 22 – 24, 27, 32, 43, and 53 - 54.

Plan Sheets

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

Revised Plan Sheets

ID 1030-20-84 sheet 189, 237, 238, 581, 605, 612, 628, 709, 710, 722, 967, 980, 989, 1085, 1089, 1090, 1112, 1113, 1479

ID 1030-20-87 sheet 217, 218, 220, 221, 362, 707, 709, 742, 776

ID 1035-01-74 sheet 206, 207, 209, 231, 252, 254, 469, 477, 481, 487, 488, 498, 516, 517

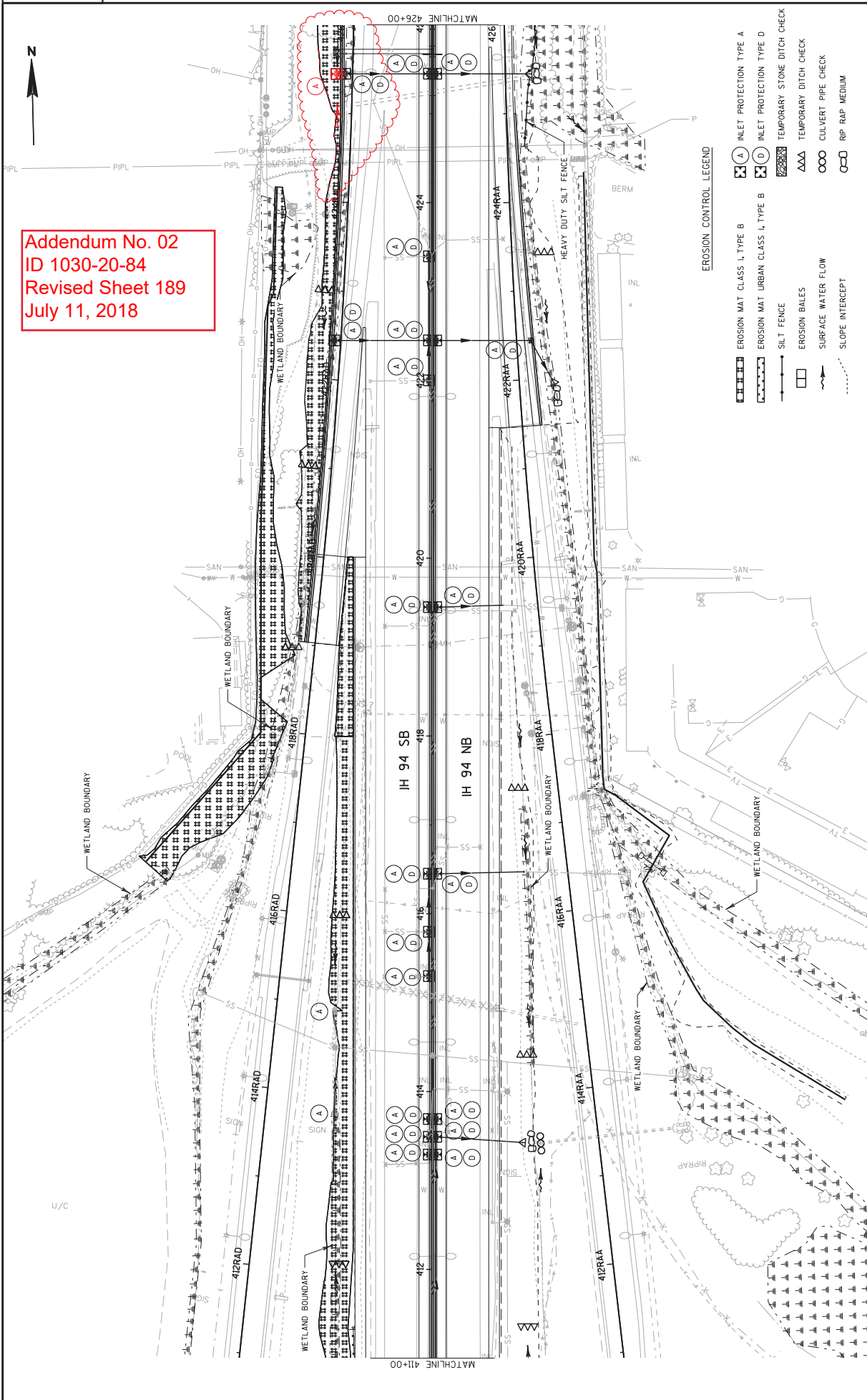
ID 1035-01-79 sheet 150

ID 1035-01-82 sheet 125

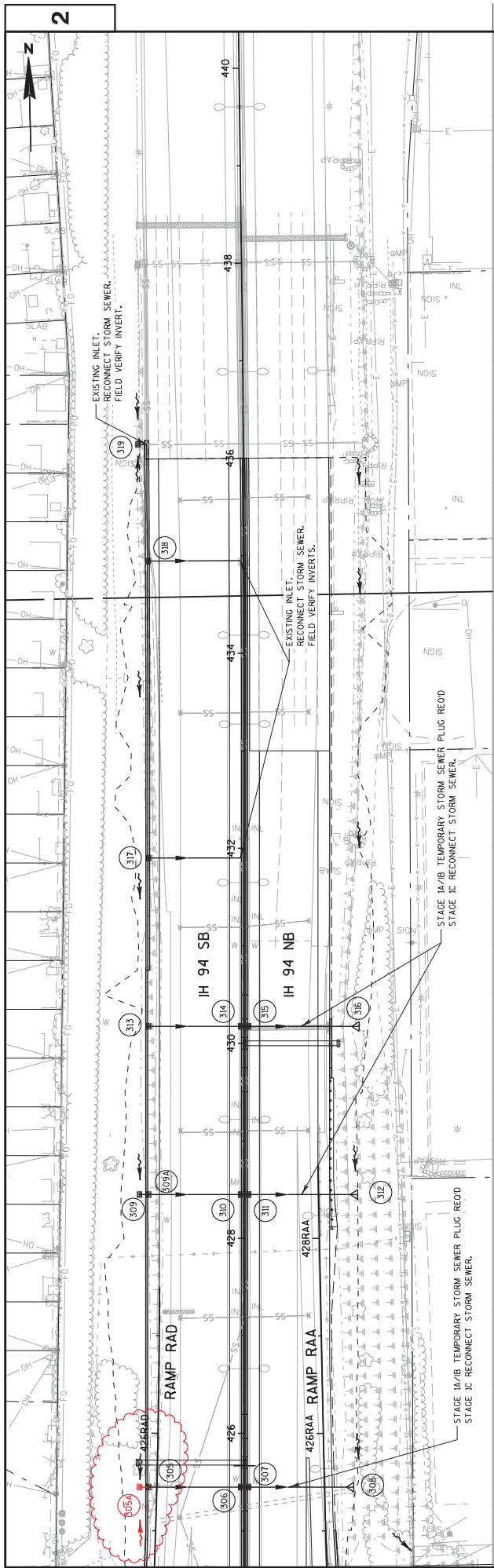
Added Plan Sheets

ID 1030-20-87 378A

Addendum No. 02
 ID 1030-20-84
 Revised Sheet 189
 July 11, 2018



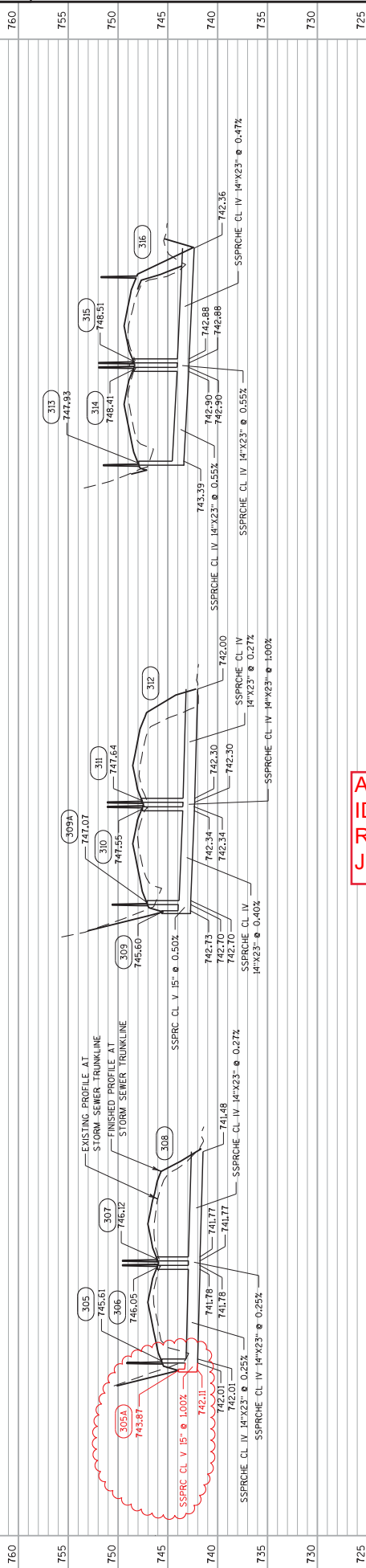
PROJECT NO: 1030-20-84	COUNTY: MIL WAUKEE	EROSION CONTROL - STAGE 1 AND 2	SHEET 189	E
FILE NAME : S:\P\InalDes\pm\10302084_SMRoads\cbs\022014.ec.dgn				
PLOT DATE : 03-JUL-2018 10:22				
PLOT BY : MCKLB				
PLOT NAME : 022014.ec				
PLOT SCALE : 1:100.11				
WISDOT/CADDS SHEET 42				



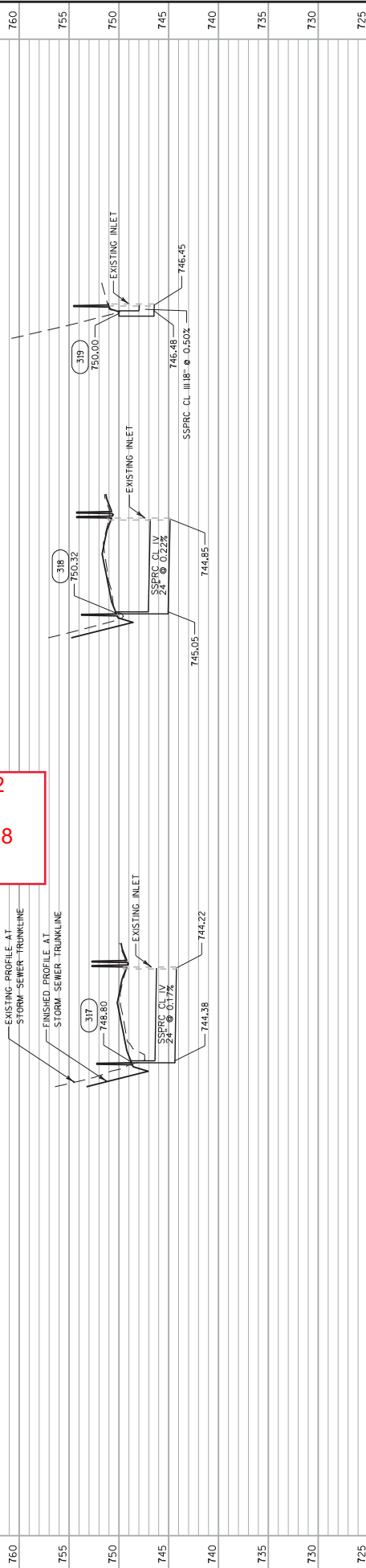
Addendum No. 02
 ID 1030-20-84
 Revised Sheet 237
 July 11, 2018

NO STORM SEWER PROFILE THIS SHEET

765	
760	
755	
750	
745	
740	
735	
730	



Addendum No. 02
 ID 1030-20-84
 Revised Sheet 238
 July 11, 2018



PROJECT NO: 1030-20-84	COUNTY: MILWAUKEE	STORM SEWER	SHEET 238	E
FILE NAME : S:\NF_incl\Des\gm\ML10302084_SMRoads\cbs\0225150a.sss.dgn	PLOT DATE : 02-JUL-2018 15:15	PLOT BY : MCKLBB	PLOT NAME : 0225150a.sss	PLOT SCALE : 100:1

EARTHWORK SUMMARY

CATEGORY	STAGE	ROADWAY	FROM / TO STATION	EXCAVATION COMMON CY	EBS (2)(5) CY	EXCAVATION CY	EBS CY	BACKFILL CY	ROADWAY EMBANKMENT CY	SOIL DRYING TREATMENT TON	STRENGTHENING TREATMENT TON	SPV.0195.0012 SUBGRADE	SPV.0195.0010 STRENGTHENING
1000	1	IH 94NB TEMPORARY WIDENING MEDIAN SHLDR REPAIR, & IH 94 NB SS TRENCHES	220+00 to 436+65 215+81 to 235+83 236+74 to 436+00	17,580	2,637	2,637	3,615	2,637	5,295	197	527	12,285	24,102
		SUBTOTAL STAGE 1		41,882	6,252	6,252	3,615	6,252	5,295	395	1,250	36,387	
	2	IH 94 SB RAMP RYC 233RYC+31 to 235RYC+75 RAMP RYD 256RYD+83 to 264RYD+75 RAMP DC 340DC+00 to 344DC+76 RAMP DD 366DD+00 to 368DD+77 RAMP RAC 393RAC+50 to 396RAC+19 RAMP RAD 419RAD+03 to 422RAD+61 IH 94 SB TEMPORARY WIDENING RYC TEMPORARY CROSSOVER 223+81 to 228+12 RYD TEMPORARY CROSSOVER 273+00 to 281+00	144,121 807 121 3,497 1,778 1,297 789 1,505 185 6 153,984	21,618 121 121 525 267 195 118 226 0 28 1 23,099	21,618 121 121 525 267 195 118 226 0 28 1 23,099	2,637 60 60 901 1 4 437 25 330 0 302 24,992	2,637 60 60 901 1 4 437 25 330 0 302 24,992	3,615 24 24 105 53 39 352 45 0 6 0 4,620	5,295 24 24 105 53 39 352 45 0 6 0 4,620	197 0 0 0 0 0 0 0 1 0 1 199	527 24 24 105 53 39 352 45 0 6 0 4,620	12,285 747 747 2,596 1,777 1,293 1,479 -330 -286 128,992	24,102 121,189 121,189 2,596 1,777 1,293 1,479 -330 -286 128,992
	3	IH 94 NB RAMP RYA 260RYA+90 to 269RYA+24 RAMP RYB 233RYB+80 to 235RYB+74 RAMP DA 365DA+22 to 369DA+50 RAMP DB 340DB+98 to 344DB+00 RAMP RAA 421RAA+48 to 425RAA+75 RAMP RAB 394RAB+48 to 396RAB+35 RAMP RYB TEMPORARY CROSSOVER 284+21 To 294+77	163,605 2,685 668 1,487 860 1,912 604 36 139 42,878	24,541 404 100 223 129 287 91 5 21 6,431	24,541 404 100 223 129 287 91 5 21 6,431	22,949 869 151 7 0 109 21 0 0 216	22,949 869 151 7 0 109 21 0 0 216	197 0 0 0 1 2 3 4 5 103	4,908 81 20 45 26 57 18 1 4 1,286	4,908 81 20 45 26 57 18 1 4 1,286	197 0 0 0 1 2 3 4 5 103	140,656 1,826 517 1,480 860 1,803 583 36 139 42,661	147,900 1,826 517 1,480 860 1,803 583 36 139 42,661
	4	IH 94SB TEMPORARY WIDENING SUBTOTAL STAGE 5	220+00 to 436+00	7,073	1,061	1,061	1,061	1,061	0	0	0	7,073	7,073
	5	GRAND TOTALS		417,623	62,644	62,644	62,644	62,644	54,611	909	12,526	363,013	

Note:
 1) Cut Volume Includes Concrete and Asphaltic Surface Material.
 2) EBS Excavation to be backfilled with EBS Backfill. **All EBS material is assumed to be wasted on-site.**
 3) Roadway Embankment = Unexpanded Fill
 4) The Mass Ordinate +/- quantity is calculated by stage. A positive quantity indicates an excess of material within the stage and a negative number indicates a shortage of material within the stage. Mass Ordinate = Cut-Embankment. The mass ordinate is for informational purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes and does not guarantee the quality of Common Excavation, and if it can be reused onsite.
 5) Geogrid Type SR is to be used in locations of EBS backfill. Quantity is listed elsewhere.

Addendum No. 02
 ID 1030-20-84
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 July 11, 2018

(CONTINUED FROM PREVIOUS SHEET)

STORM SEWER STRUCTURES (CONTD)

3

3

STAGE	STRUCTURE NUMBER	STATION	OFFSET FT	FINAL RIM ELEV	INTERIM RIM ELEV	STR* DEPTH	MANHOLES 4-FT DIAMETER EACH	MANHOLES 5-FT DIAMETER EACH	MANHOLES 6-FT DIAMETER EACH	MANHOLES 8-FT DIAMETER EACH	INLETS 2X2.5-FT 2 GRATE EACH	MANHOLE COVERS TYPE J-S EACH	INLET COVERS TYPE MS EACH	INLET COVERS TYPE V EACH	611.0654 INLET COVERS TYPE V EACH	611.8120.S COVER PLATES TEMPORARY EACH	611.0654 COVER PLATES TEMPORARY EACH	SPV.0060.0020 FASTENING SEWER ACCESS COVERS EACH	COMMENTS				
1C	293	416+45	4.3 RT	741.55	740.85	4.1	--	1	--	--	--	--	--	1	--	--	--	1	FASTEN COVER IN STAGE 1C				
1C	296	419+45	4.3 LT	743.08	743.05	3.8	--	--	--	1	--	--	--	1	--	--	--	--	FASTEN COVER IN STAGE 1C				
1C	297	419+45	4.3 RT	743.08	742.41	4.0	1	--	--	--	--	--	--	1	--	--	--	1	FASTEN COVER IN STAGE 1C				
2B	300	422+45	110.2 LT	743.88	743.88	2.4	1	--	--	--	--	--	--	1	--	--	--	--	FASTEN COVER IN STAGE 1C				
1C	301	422+45	4.3 LT	744.55	744.55	3.9	--	1	--	--	--	--	--	1	--	--	--	--	FASTEN COVER IN STAGE 1C				
1C	301A	422+00	4.3 LT	744.38	744.38	3.1	1	--	--	--	--	--	--	1	--	--	--	--	FASTEN COVER IN STAGE 1C				
1C	301B	423+40	4.3 LT	745.11	745.11	3.4	1	--	--	--	--	--	--	1	--	--	--	--	FASTEN COVER IN STAGE 1C				
1C	302	422+45	4.3 RT	744.55	744.21	3.6	1	--	--	--	--	--	--	1	--	--	--	1	FASTEN COVER IN STAGE 1C				
4A	303	422+45	110.6 RT	743.90	743.90	3.5	1	--	--	--	--	--	--	1	--	--	--	--	FASTEN COVER IN STAGE 1C				
2B	305	425+45	98.3 LT	745.61	743.90	0.6	1	--	--	--	--	--	--	1	--	--	--	--	FASTEN COVER IN STAGE 1C				
2B	305A	425+45	107.8 LT	743.87	743.87	1.8	--	--	1	--	--	--	2	--	--	--	--	--	TWO SLOPE 3:1				
1C	306	425+45	4.3 LT	746.12	746.12	3.0	1	--	--	--	--	--	--	1	--	--	--	--	FASTEN COVER IN STAGE 1C				
1C	307	425+45	4.3 RT	746.12	745.88	2.8	1	--	--	--	--	--	--	1	--	--	--	1	FASTEN COVER IN STAGE 1C				
2B	309	428+45	107.8 LT	745.60	745.60	2.9	--	--	1	--	--	--	2	--	--	--	--	--	SINGLE SLOPE 10:1				
1C	309A	428+45	98.2 LT	747.17	747.17	3.1	1	--	--	--	--	--	--	1	--	--	--	--	FASTEN COVER IN STAGE 1C				
1C	310	428+45	4.3 LT	747.64	747.64	4.0	1	--	--	--	--	--	--	1	--	--	--	--	COVER PLATE IN STAGE 1C				
1C	311	428+45	4.3 RT	747.64	747.10	3.5	1	--	--	--	--	--	--	1	--	1	--	--	COVER PLATE IN STAGE 1C				
2B	313	430+17	98.2 LT	748.03	748.03	3.3	1	--	--	--	--	--	--	1	--	--	--	--	COVER PLATE IN STAGE 1C				
1C	314	430+17	4.3 LT	748.51	748.29	4.1	1	--	--	--	--	--	--	1	--	1	--	--	COVER PLATE IN STAGE 1C				
1C	315	430+17	4.3 RT	748.51	748.33	4.1	1	--	--	--	--	--	--	1	--	1	--	--	COVER PLATE IN STAGE 1C				
2B	317	431+90	98.2 LT	748.90	748.90	3.2	1	--	--	--	--	--	--	1	--	--	--	--	TWO SLOPE 3:1				
1C	318	434+95	98.2 LT	750.40	750.40	4.0	1	--	--	--	--	--	--	1	--	--	--	--	TWO SLOPE 3:1				
2	319	436+15	107.8 LT	750.00	750.00	3.5	--	--	1	--	--	--	2	--	--	--	--	--	TWO SLOPE 3:1				
SUBTOTALS							17	2	74	11	2	79	1	3	6	20	3	4	4				
TOTALS							61	74	11	2	79	6	4	12	223	34	51						

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* STRUCTURE DEPTH IS BASED OFF THE FINAL OR INTERIM RIM ELEVATION, WHICHEVER IS LOWEST
ALL QUANTITIES ON THIS PAGE CATEGORY 1000

INLET PROTECTION

CATEGORY	STAGE	ROADWAY	STATION TO	STATION	INLET PROTECTION TYPE A EACH	INLET PROTECTION TYPE D EACH
1000	1	IH 94 NB	220+00	235+80	15	14
			237+00	248+00	16	2
			301+50	355+00	53	52
			301+50	355+00	39	39
			355+00	408+00	39	39
			408+00	436+00	23	24
			<u>UNDISTRIBUTED</u>			
			51	43		
			<u>SUBTOTALS</u>			
			236	213		
1000	2	IH 94 SB	220+00	235+80	-	-
			237+00	248+00	-	14
			248+00	301+50	6	6
			301+50	355+00	16	13
			355+00	408+00	1	1
			408+00	436+00	6	6
			<u>UNDISTRIBUTED</u>			
			8	7		
			<u>SUBTOTALS</u>			
			40	47		
1000	4	IH 94 NB	220+00	235+80	-	8
			237+00	248+00	-	8
			248+00	301+50	1	27
			301+50	355+00	4	25
			355+00	408+00	-	20
			408+00	436+00	1	11
			<u>UNDISTRIBUTED</u>			
			2	25		
			<u>SUBTOTALS</u>			
			8	124		
			<u>TOTALS</u>			
			284	383		

SETTLING BASIN

CATEGORY	STAGE	ROADWAY	EROSION BALES EACH	645.0120* GEOTEXTILE TYPE HR SY
1000	1	IH 94 NB	34	76
	2	IH 94 SB	34	76
	3	IH 94 SB	34	76
	4	IH 94 NB	34	76
		<u>UNDISTRIBUTED</u>	34	76
		<u>TOTALS</u>	170	380

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRACKING PAID

CATEGORY	STAGE	ROADWAY	TRACKING PAIDS EACH
1000	1	IH 94 NB	4
		<u>SUBTOTALS</u>	4
1000	2	IH 94 SB	2
		RYAN	1
		DREXEL	1
		RAWSON	1
		<u>SUBTOTALS</u>	5
1000	4	IH 94 NB	2
		RYAN	1
		DREXEL	1
		RAWSON	1
		<u>SUBTOTALS</u>	5
		<u>UNDISTRIBUTED</u>	3
		<u>TOTALS</u>	17

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RIPRAP ITEMS

CATEGORY	STAGE	ROADWAY	STATION	OFFSET	RIPRAP MEDIUM	SPECIAL MIX	CY	LIGHT	645.0120* GEOTEXTILE TYPE HR SY	NOTES
1000	1	IH 94 NB	232+99	130.0 RT	6	-	-	-	17	
			243+54	113.4 RT	4	-	-	-	12	
			251+69	121.8 RT	4	-	-	-	12	
			254+90	119.8 RT	4	-	-	-	12	
			259+41	111.6 RT	4	-	-	-	12	
			259+35	114.4 RT	4	-	-	-	12	
			259+00	93.7 RT	3	-	-	-	6	
			259+69	95.0 LT	4	-	-	-	12	
			259+00	91.3 RT	4	-	-	-	12	
			259+00	92.3 RT	4	-	-	-	12	
			313+00	103.1 RT	4	-	-	-	12	
			328+00	103.5 RT	4	-	-	-	12	
			333+95	115.5 RT	4	-	-	-	12	
			338+63	116.0 RT	4	-	-	-	12	
			339+25	116.9 RT	4	-	-	-	12	
			339+94	CL	-	18	-	-	-	IN 72-INCH CULVERT
			352+00	112.9 RT	4	-	-	-	12	
			360+20	104.9 RT	4	-	-	-	12	
			369+66	117.5 RT	4	-	-	-	12	
			381+54	123.7 RT	4	-	-	-	12	
			387+35	137.3 RT	4	-	-	-	12	
			404+57	113.6 RT	4	-	-	-	12	
			408+10	118.7 RT	9	-	-	-	25	
			413+42	104.6 RT	4	-	-	-	12	
			421+96	137.7 RT	4	-	-	-	12	
			425+45	111.6 RT	3	-	-	-	8	
			428+45	115.8 RT	3	-	-	-	8	
			430+17	117.2 RT	3	-	-	-	8	
			<u>SUBTOTALS</u>				109	18	326	
1000	2	IH 94 SB	237+22	87.0 LT	4	-	-	-	12	FLUME
			247+40	80.1 LT	4	-	-	-	12	FLUME
			256+96	RYD	3	-	-	-	8	FLUME
			257+61	102.7 LT	3	-	-	-	8	FLUME
			258+85	92.7 LT	3	-	-	-	8	FLUME
			293+63	107.4 LT	4	-	-	-	12	FLUME
			294+99	95.0 LT	3	-	-	-	8	
			295+98	88.7 LT	3	-	-	-	8	
			297+99	92.3 LT	3	-	-	-	8	
			299+80	91.3 RT	6	-	-	-	17	
			339+94	CL	-	18	-	-	-	IN 72-INCH CULVERT
			409+20	100.2 LT	4	-	-	-	12	FLUME
			<u>SUBTOTALS</u>				37	18	113	
1000	4	IH 94 NB	237+15	89.9 RT	4	-	-	-	12	FLUME
			247+33	89.4 RT	4	-	-	-	12	FLUME
			294+07	101.5 RT	4	-	-	-	12	FLUME
			299+76	93.7 LT	6	-	-	-	17	
			409+33	101.4 RT	4	-	-	-	12	FLUME
			<u>SUBTOTALS</u>				22	-	65	
			<u>TOTALS</u>				168	36	503	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PROJECT NO: 1030-20-84

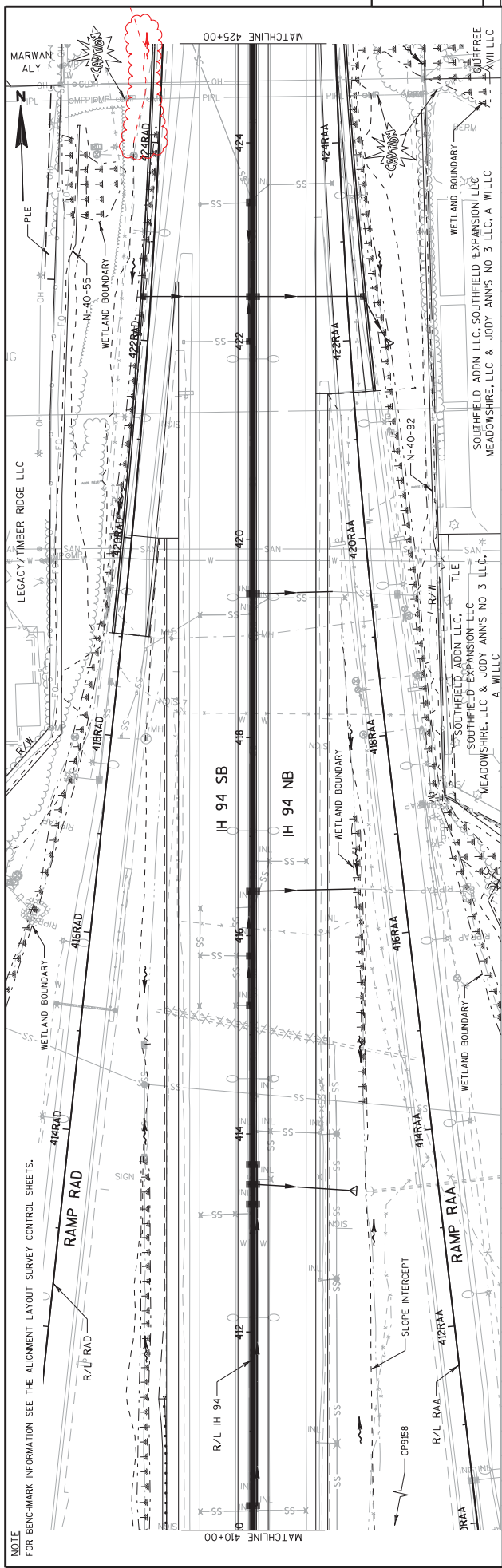
HWY: IH 94

COUNTY: MILWAUKEE

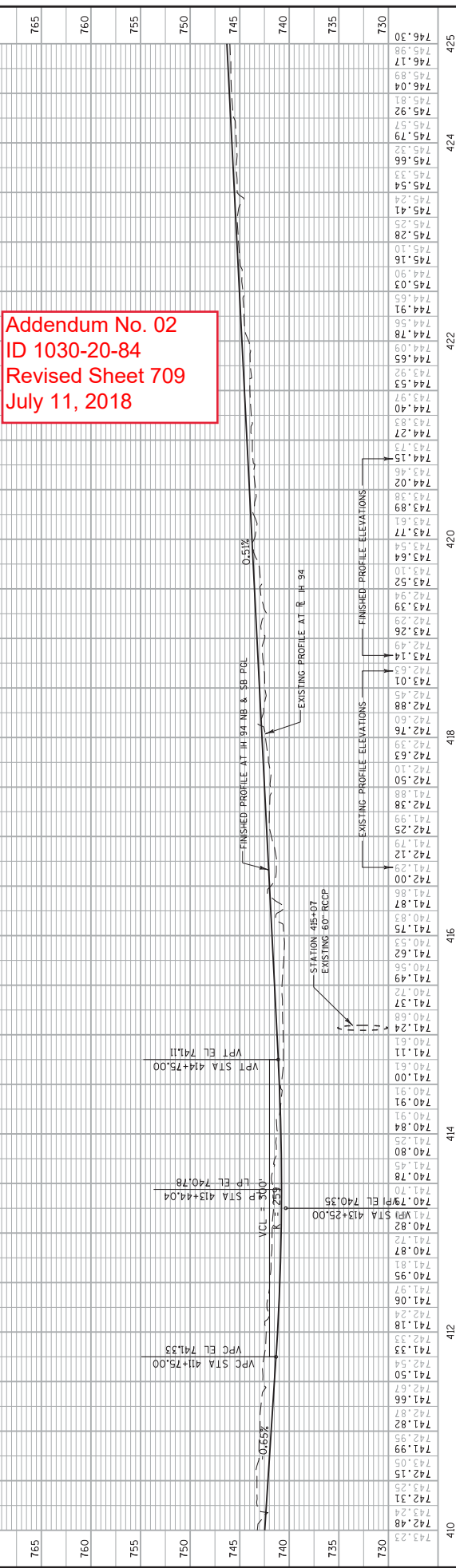
MISCELLANEOUS QUANTITIES

SHEET: 628

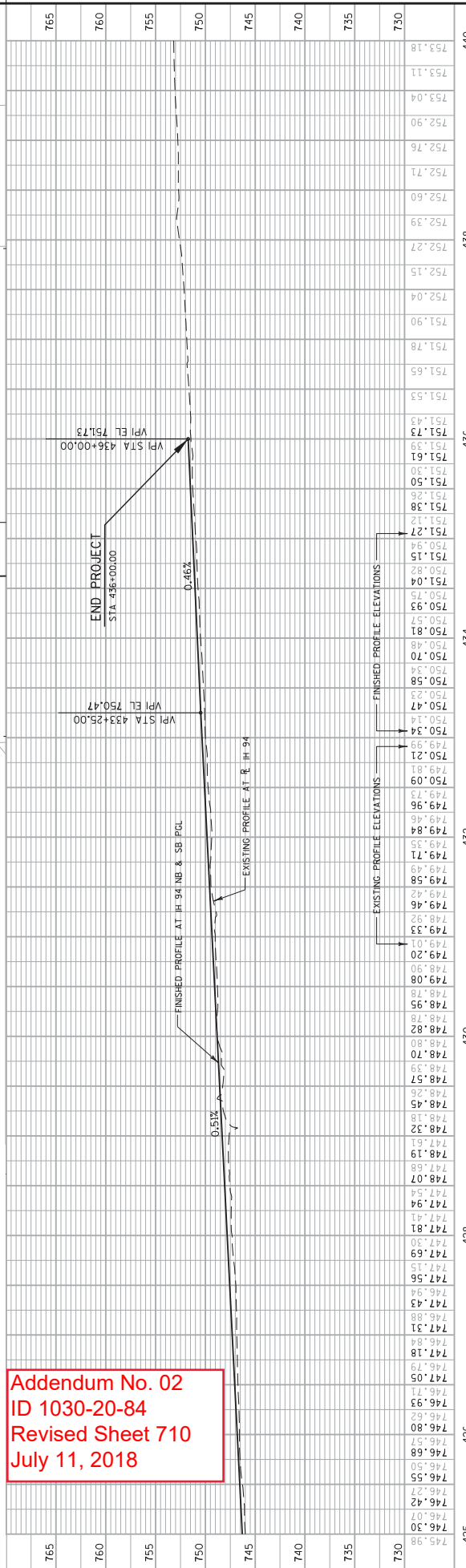
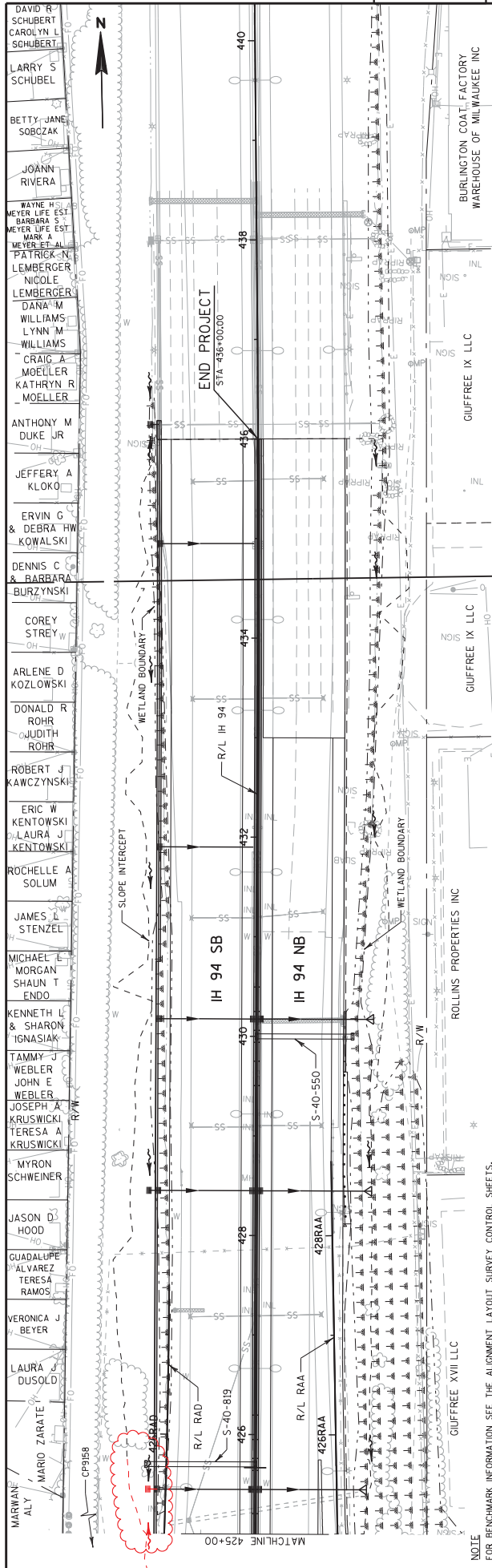
E



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 July 11, 2018



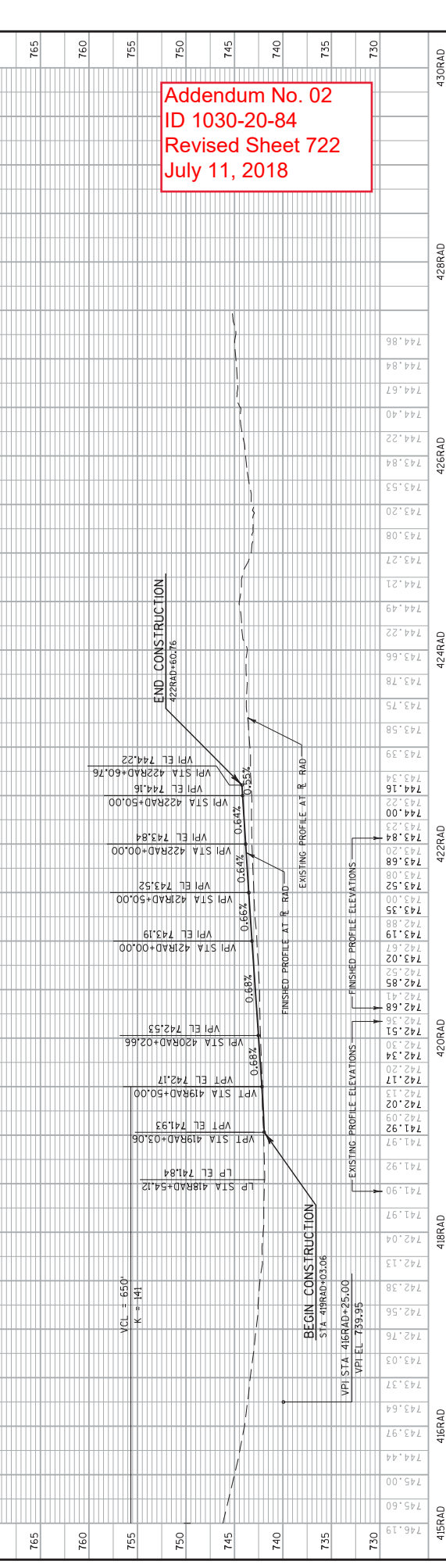
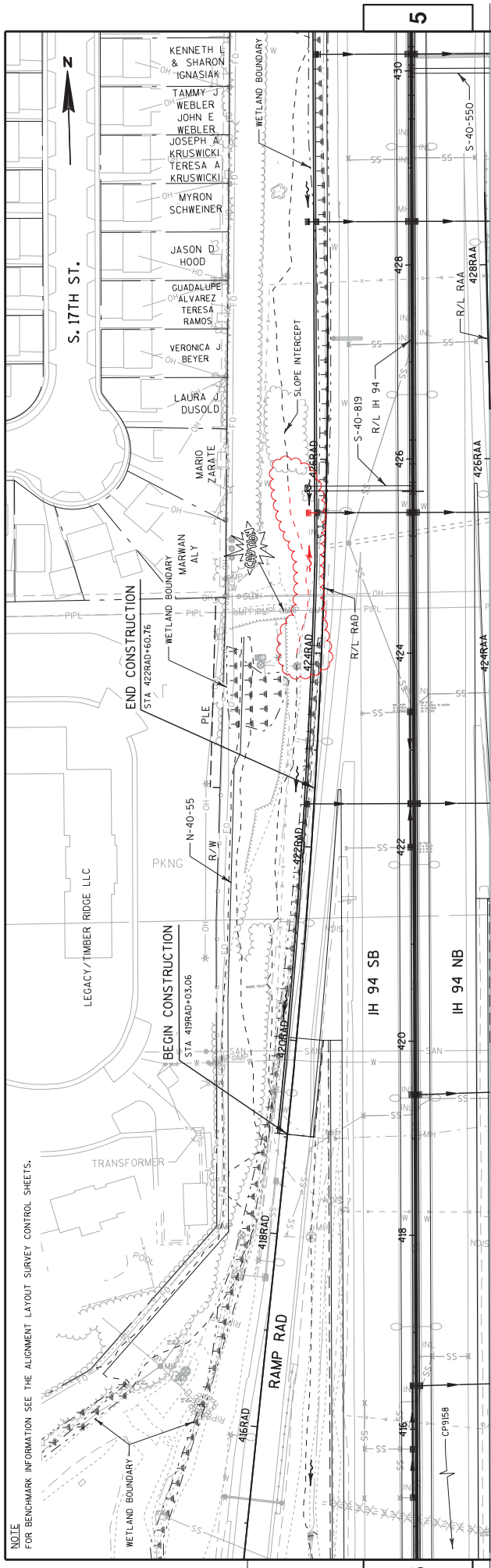
745.23	745.24	745.25	745.26	745.27	745.28	745.29	745.30	745.31	745.32	745.33	745.34	745.35	745.36	745.37	745.38	745.39	745.40	745.41	745.42	745.43	745.44	745.45	745.46	745.47	745.48	745.49	745.50	745.51	745.52	745.53	745.54	745.55	745.56	745.57	745.58	745.59	745.60	745.61	745.62	745.63	745.64	745.65	745.66	745.67	745.68	745.69	745.70	745.71	745.72	745.73	745.74	745.75	745.76	745.77	745.78	745.79	745.80	745.81	745.82	745.83	745.84	745.85	745.86	745.87	745.88	745.89	745.90	745.91	745.92	745.93	745.94	745.95	745.96	745.97	745.98	745.99	746.00
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 ID 1030-20-84
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 July 11, 2018

NOTE FOR BENCHMARK INFORMATION SEE THE ALIGNMENT LAYOUT SURVEY CONTROL SHEETS.

745.98	425	PROJECT NO: 1030-20-84	COUNTY: MILWAUKEE	PLAN AND PROFILE: IH 94	SHEET 710	E
746.30	426	HWY: IH 94				
746.42	428					
746.55	430					
746.68	432					
746.80	434					
746.93	436					
747.05	438					
747.18	440					
747.31						
747.43						
747.56						
747.69						
747.81						
747.94						
748.07						
748.19						
748.32						
748.45						
748.57						
748.70						
748.82						
748.95						
749.08						
749.20						
749.33						
749.46						
749.58						
749.71						
749.84						
749.96						
750.09						
750.21						
750.34						
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751.86						
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753.04						
753.18						

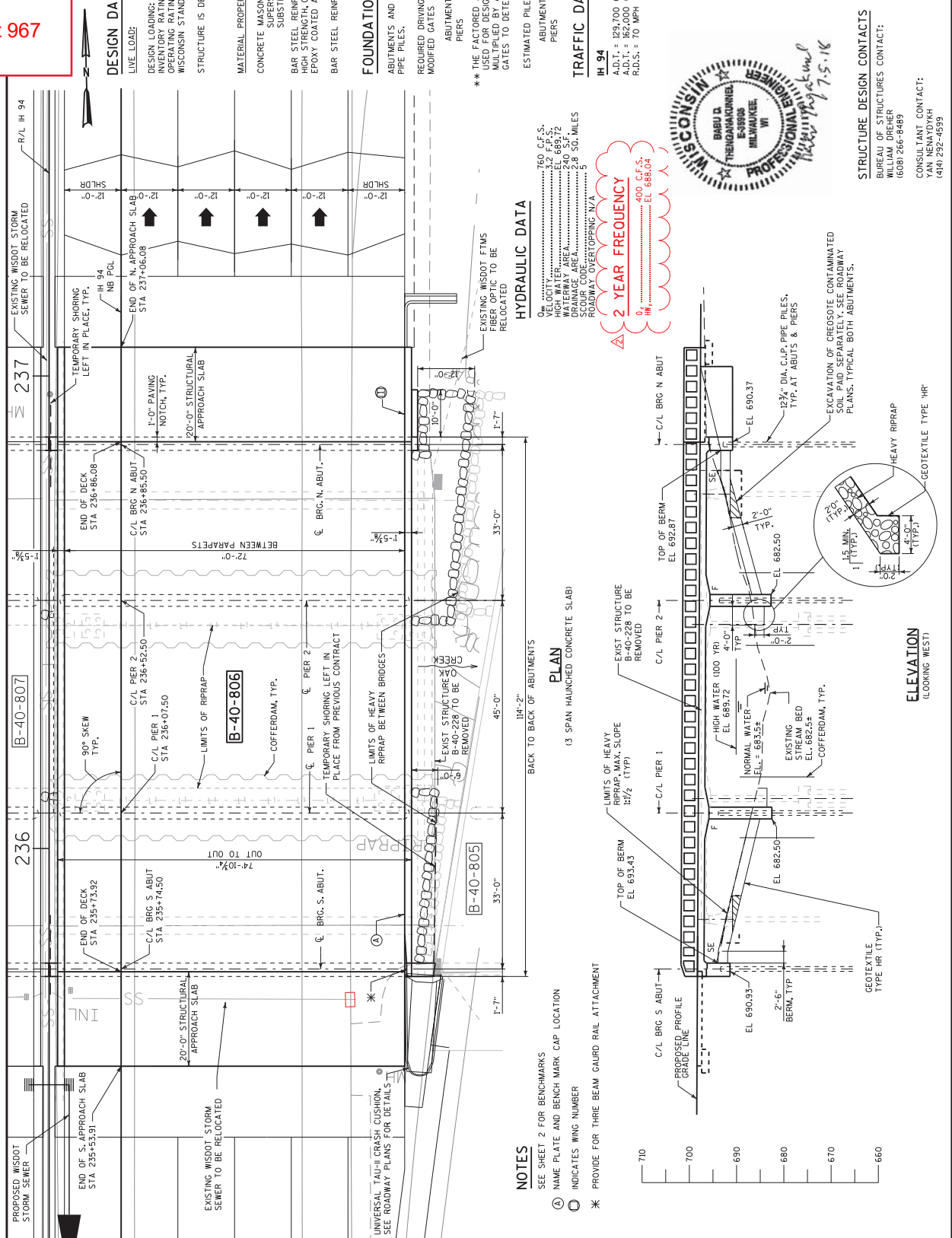


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 ID 1030-20-84
 Revised Sheet 722
 July 11, 2018

NOTE
FOR BENCHMARK INFORMATION SEE THE ALIGNMENT LAYOUT SURVEY CONTROL SHEETS.

Addendum No. 02
ID 1030-20-84
Revised Sheet 967
July 11, 2018

STATE PROJECT NUMBER 1030-20-84	
DESIGN DATA LIVE LOAD: HL-93 DESIGN LOADS: HL-93 INVENTORY RATING FACTOR: RF = 142 OPERATING RATING FACTOR: RF = 185 WISCONSIN STANDARD PERMIT VEHICLE (MS-SPV) = 250 KIPS STRUCTURE IS DESIGNED FOR 20 PSF FUTURE WEARING SURFACE	
MATERIAL PROPERTIES: CONCRETE MASONRY SUPERSTRUCTURE (HPD)fc = 4,000 psi SUBSTRUCTUREfc = 4,000 psi BAR STEEL REINFORCEMENT, HIGH STRENGTH, GRADE 60fy = 60,000 psi EPOXY COATED ALL EXCEPT FOOTINGS BAR STEEL REINFORCEMENT HS STAINLESS STEELfy=60,000 psi	
FOUNDATION DATA ABUTMENTS AND PIERS TO BE SUPPORTED ON 12 3/4" X 0.375 INCH C.J.P. PIPE PILES. REQUIRED DRIVING RESISTANCE** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA: 148 TONS PER PILE 190 TONS PER PILE PIERS ** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.	
TRAFFIC DATA IH 94 A.D.T. = 129,700 (2016) A.D.T. = 129,700 (2035) R.D.S. = 70 MPH	
NO. DATE	REVISION
1 7/6/18	ADDENDUM NO. 2
	BY
BLOOM COMPANIES, LLC 10301 W. Research Drive • Milwaukee, WI 53228 Phone: (414) 771-5396 Fax: (414) 771-4480 ZACHRY Infrastructure, Environmental & Specialty	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ACCEPTED <i>William C. DeJure</i> 6/4/18 CHIEF STRUCTURES DESIGN ENGINEER DATE	
COUNTY MILWAUKEE TOWN/CITY/TWNSHIP OAK CREEK DESIGN SPEC. ASHTO LRFD BRIDGE DESIGN SPECIFICATIONS DESIGNED BY T.A.L. BY T.A.L. CHECKED BY T.A.L. BDT SHEET 1 OF 22	
GENERAL PLAN & ELEVATION 967	



NOTES

- SEE SHEET 2 FOR BENCHMARKS
- ⓐ NAME PLATE AND BENCH MARK CAP LOCATION
- ⓐ INDICATES WING NUMBER
- * PROVIDE FOR THREE BEAM GAURD RAIL ATTACHMENT

HYDRAULIC DATA

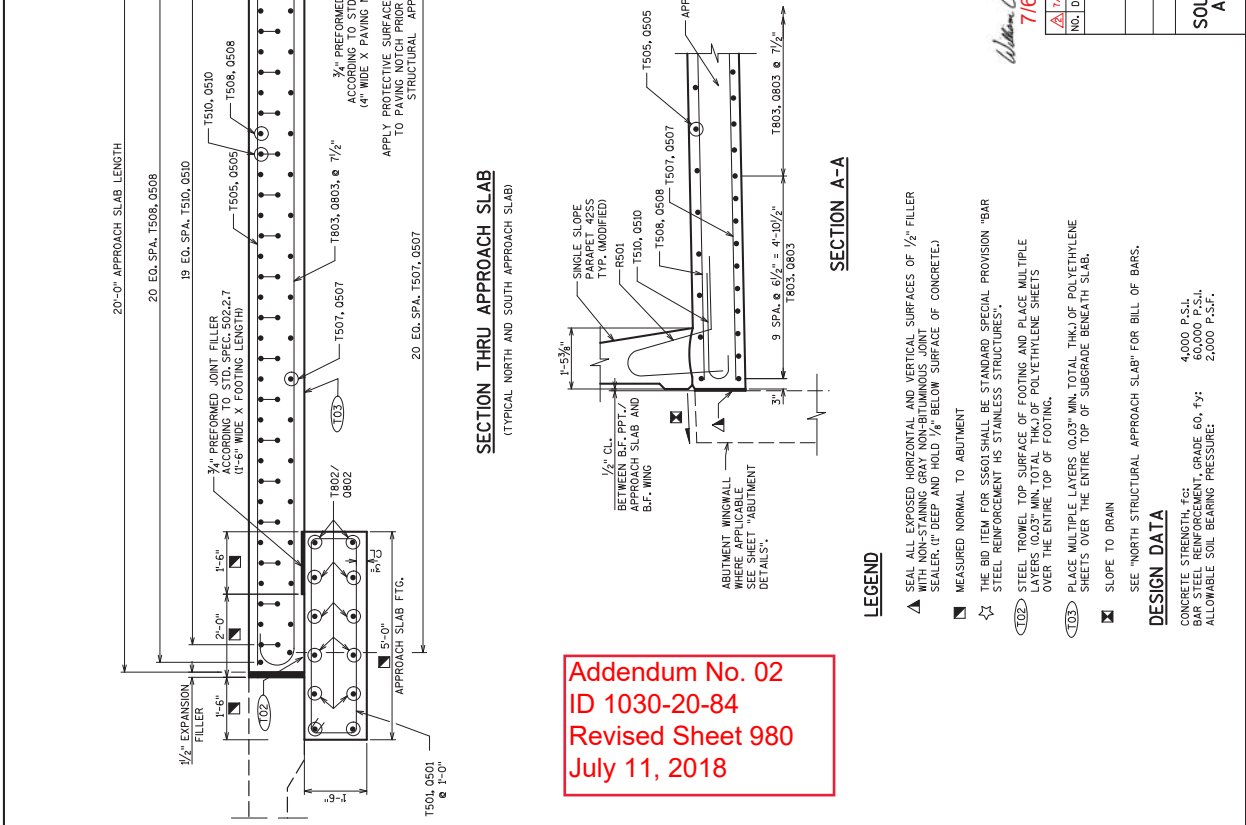
VELOCITY	TEO, C.F.S. 12.0
HIGH WATER	EL. 689.72
LOW WATER	EL. 685.5
SCOUR CODE	2.8 SQ. MILES
ROADWAY OVERTOPPING	3.75

2 YEAR FREQUENCY

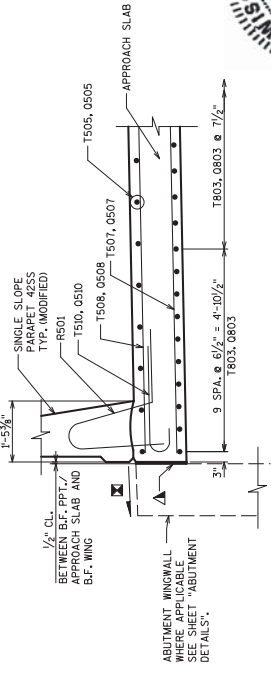
VELOCITY	400 C.F.S.
HIGH WATER	EL. 688.04
LOW WATER	EL. 685.5



STRUCTURE DESIGN CONTACTS:
 BUREAU OF STRUCTURES CONTACT:
 WILLIAM DREHER
 (608) 266-8489
 CONSULTANT CONTACT:
 WILLIAM DREHER
 (414) 292-4599



SECTION THRU APPROACH SLAB
(TYPICAL NORTH AND SOUTH APPROACH SLAB)



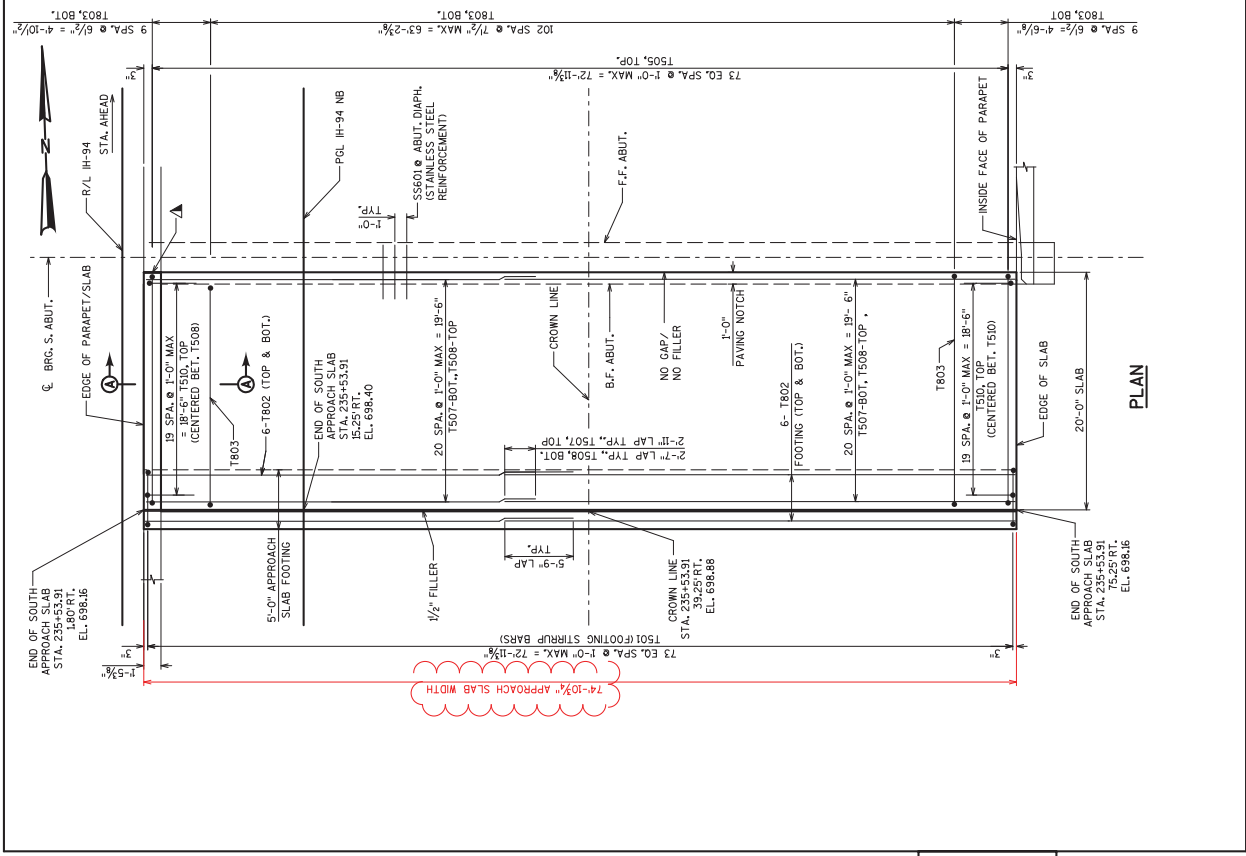
SECTION A-A

LEGEND

- ▲ 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.)
- MEASURED NORMAL TO ABUTMENT
- ☆ THE BID ITEM FOR S5601 SHALL BE STANDARD SPECIAL PROVISION "BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES".
- ⊙ STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.
- ⊙ PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.
- ⊗ SLOPE TO DRAIN
- SEE "NORTH STRUCTURAL APPROACH SLAB" FOR BILL OF BARS.

DESIGN DATA

CONCRETE STRENGTH, f'_c: 4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60, f'_y: 60,000 P.S.I.
ALLOWABLE SOIL BEARING PRESSURE: 2,000 P.S.F.



PLAN



7/6/18

NO.	DATE	REVISION	BY
1	7/6/18	ADDENDUM NO. 2	BDT
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-40-806			
DRAIN	TAL	PLANS	BDT
SOUTH STRUCTURAL APPROACH SLAB			SHEET 14 OF 22
			980

Addendum No. 02
ID 1030-20-84
Revised Sheet 980
July 11, 2018

DESIGN DATA

LIVE LOADS:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.42
OPERATING RATING FACTOR: RF = 1.85
WISCONSIN STANDARD PERMIT VEHICLE (MS-SPV) = 250 KIPS
STRUCTURE IS DESIGNED FOR 20 PSF FUTURE WEARING SURFACE

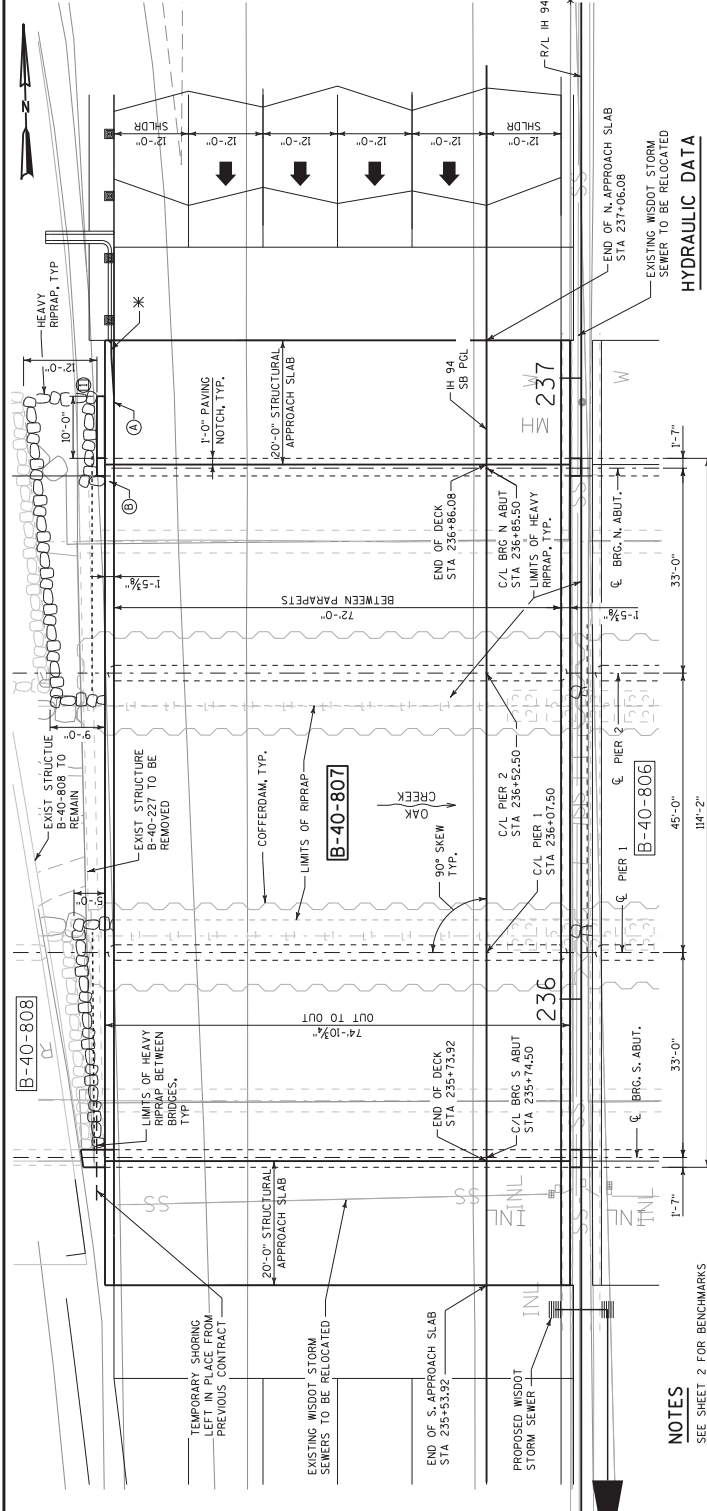
MATERIAL PROPERTIES:
CONCRETE MASONRY
SUPERSTRUCTURE (HPC) $f_c = 4,000$ psi
SUBSTRUCTURE $f_c = 4,000$ psi
BAR STEEL REINFORCEMENT,
HIGH STRENGTH, GRADE 60 $f_y = 60,000$ psi
EPOXY COATED ALL EXCEPT FOOTINGS
BAR STEEL REINFORCEMENT HS STAINLESS STEEL $f_y = 60,000$ psi

FOUNDATION DATA

ABUTMENTS AND PIERS TO BE SUPPORTED ON 12 $\frac{3}{4}$ X 0.375 INCH C.I.P. PIPE PILES.
REQUIRED DRIVING RESISTANCE** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA:
ABUTMENTS 148 TONS PER PILE
PIERS 185 TONS PER PILE
** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF .05 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.
ESTIMATED PILE LENGTHS:
ABUTMENTS 95 FT
PIERS 90 FT

TRAFFIC DATA

IH 94
A.D.T. = 129,700 (2015)
A.D.T. = 182,000 (2035)
R.D.S. = 70 TO MPH



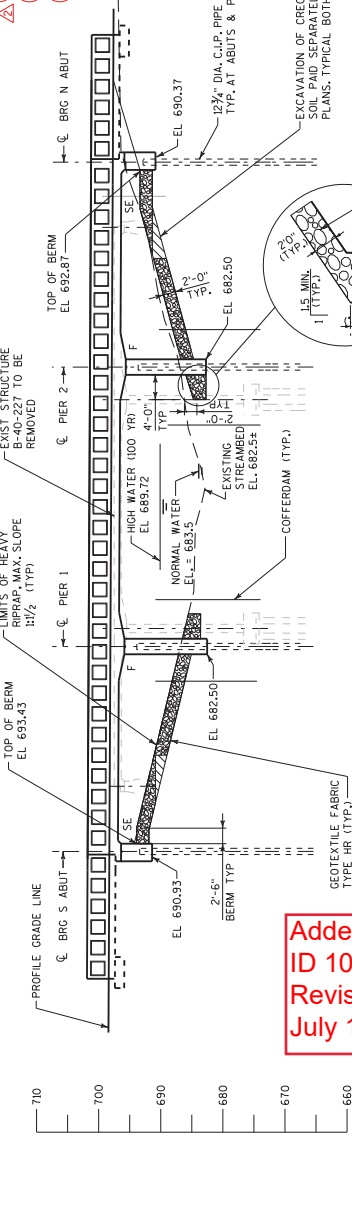
HYDRAULIC DATA

VELOCITY 760 C.F.S.
DISCHARGE 3.2 C.F.S.
WATERWAY AREA 240 S.F.
DRAINAGE AREA 2.8 SQ. MILES
ROADWAY OVERTOPPING 5

2 YEAR FREQUENCY
0 EL 688.04
400 C.F.S.
400 C.F.S.

PLAN

BACK TO BACK OF ABUTMENTS
(3 SPAN HAUNCHED CONCRETE SLAB)



ELEVATION

(LOOKING WEST)



STRUCTURE DESIGN CONTACTS:
BUREAU OF STRUCTURES CONTACT:
WILLIAM DREHER
(608) 266-8489
CONSULTANT CONTACT:
YAN NEWAYDYKH
(414) 292-4507

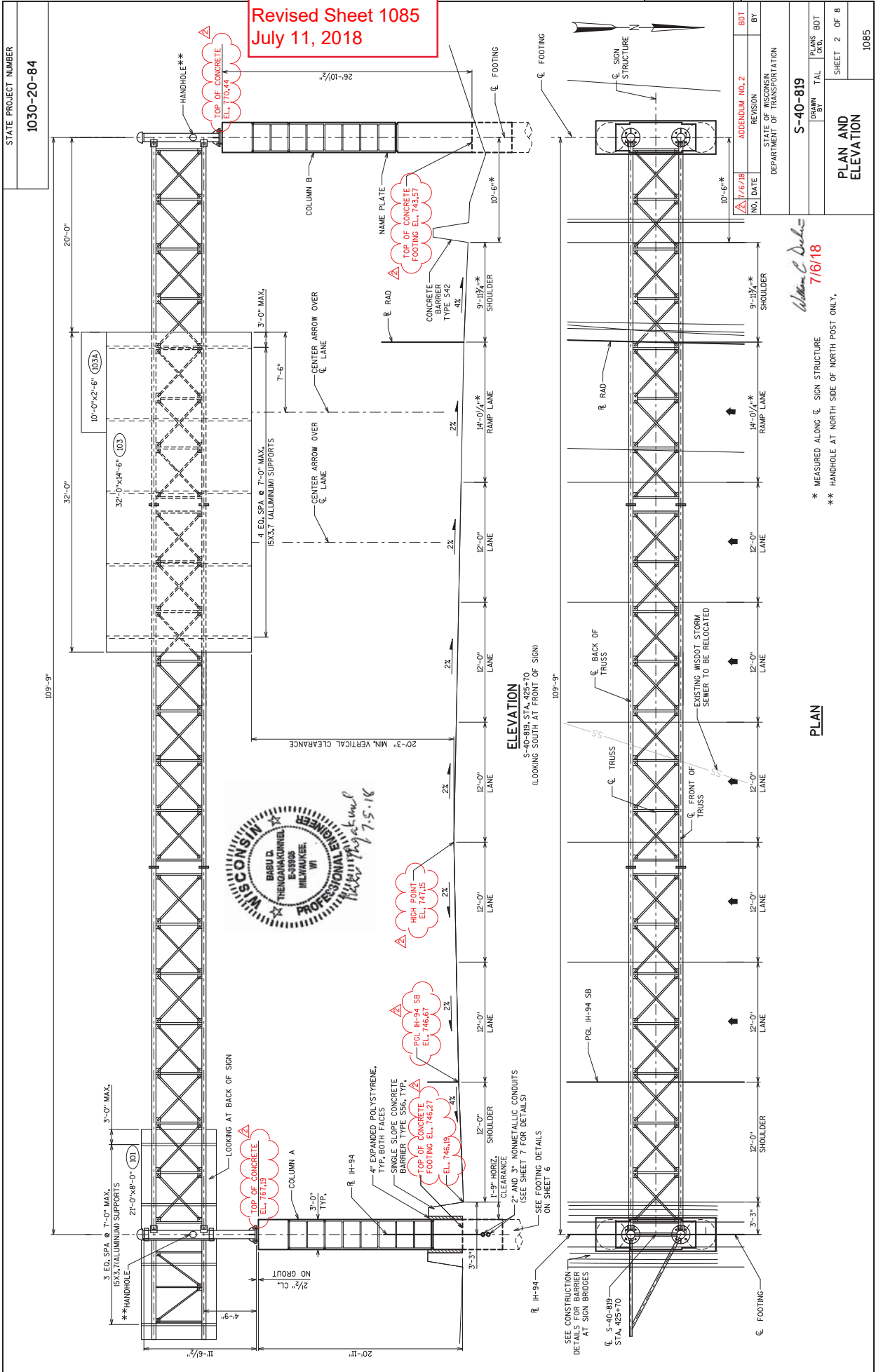
NO.	DATE	REVISION	BY
1	7/6/18	ADDENDUM NO. 2	BDT



COUNTY	MILWAUKEE	TOWN/CITY/VILLAGE	OAK CREEK
DESIGN SPEC.	ASHO LRPD BRIDGE DESIGN SPECIFICATIONS		
DESIGNED BY	W.C. DECKER	CHECKED BY	W.C. DECKER
DATE	6/4/18	DATE	
ACCEPTED	WILLIAM C. DECKER CHIEF STRUCTURES DESIGN ENGINEER		
STRUCTURE	B-40-807		
LOCATION	IH 94 SOUTHBOUND OVER OAK CREEK		
SHEET	1 OF 20		989

Addendum No. 02
ID 1030-20-84
Revised Sheet 989
July 11, 2018

Addendum No. 02
 ID 1030-20-84
 Revised Sheet 1085
 July 11, 2018

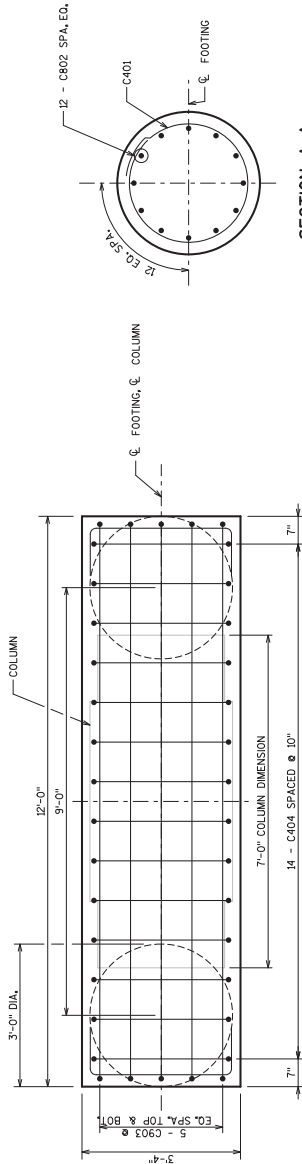


STATE PROJECT NUMBER
1030-20-84

NOTES

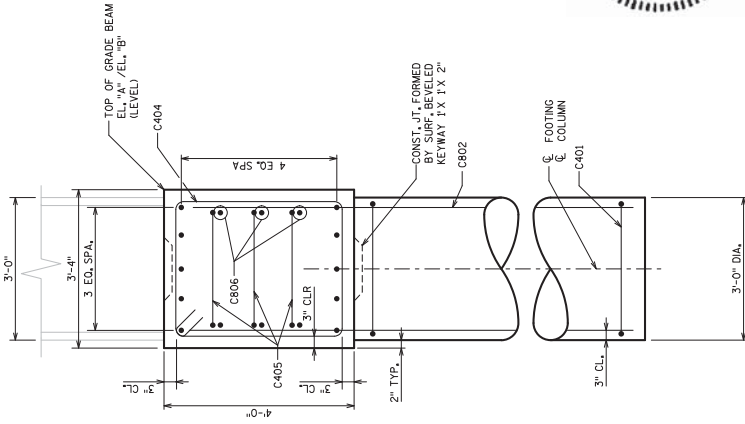
BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR FOR DRILLED FOOTINGS AND 3" CLEAR FOR PORTION OF FOOTING ABOVE DRILLED FOOTINGS.

Addendum No. 02
ID 1030-20-84
Revised Sheet 1089
July 11, 2018

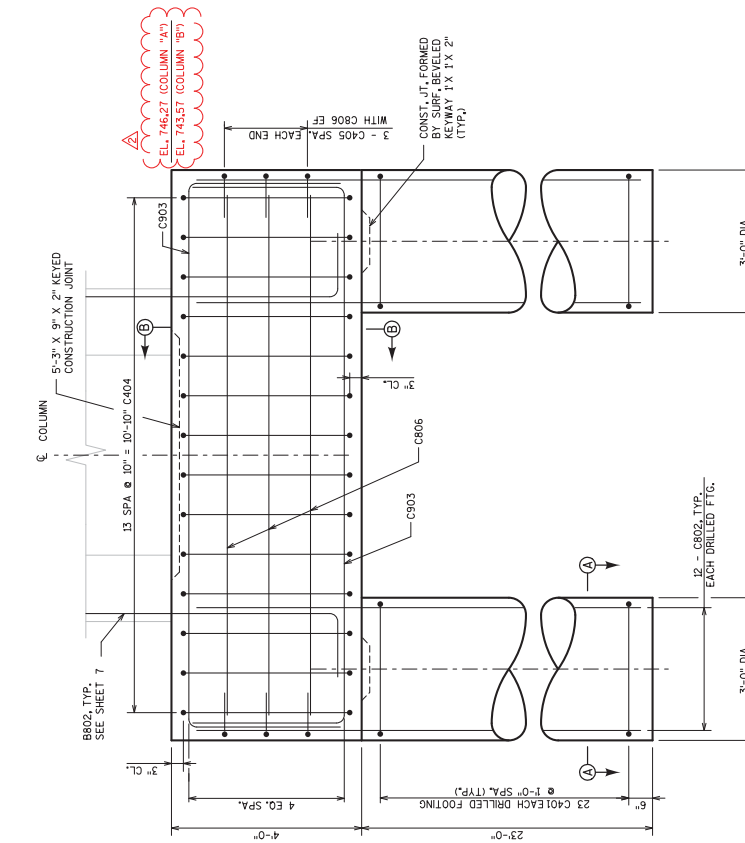


PLAN

SECTION A-A



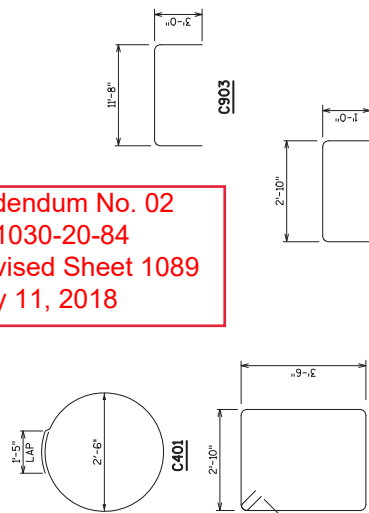
SECTION B-B



ELEVATION

BILL OF BARS

BAR MARK	QTY	NO.	LENGTH	BENT	BAR SERIES	LOCATION
C401	32	9'-3"	X			DRILLED FOOTINGS - HOOPS
C802	48	26'-3"	X			DRILLED FOOTINGS - VERTICAL
C903	20	17'-3"	X			FOOTING - LONGITUDINAL
C404	X	28	13'-2"	X		FOOTING - TIES
C405	X	12	4'-8"	X		FOOTING - TIES
C806	X	12	11'-8"	X		FOOTING - TIES



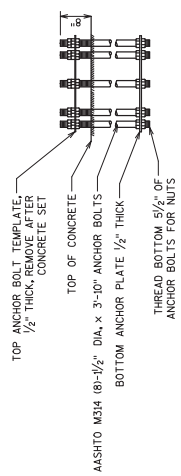
NOTES

SEE SHEET 9 FOR CONCRETE FOOTING AND DRILLED SHAFT REINFORCEMENT
SEE SHEET 8 FOR TOP VIEW OF TOP AND BOTTOM TEMPLATES AND FOR ANCHOR BOLT DETAILS,
SEE SHEET 6 FOR COLUMN AESTHETIC DETAILS

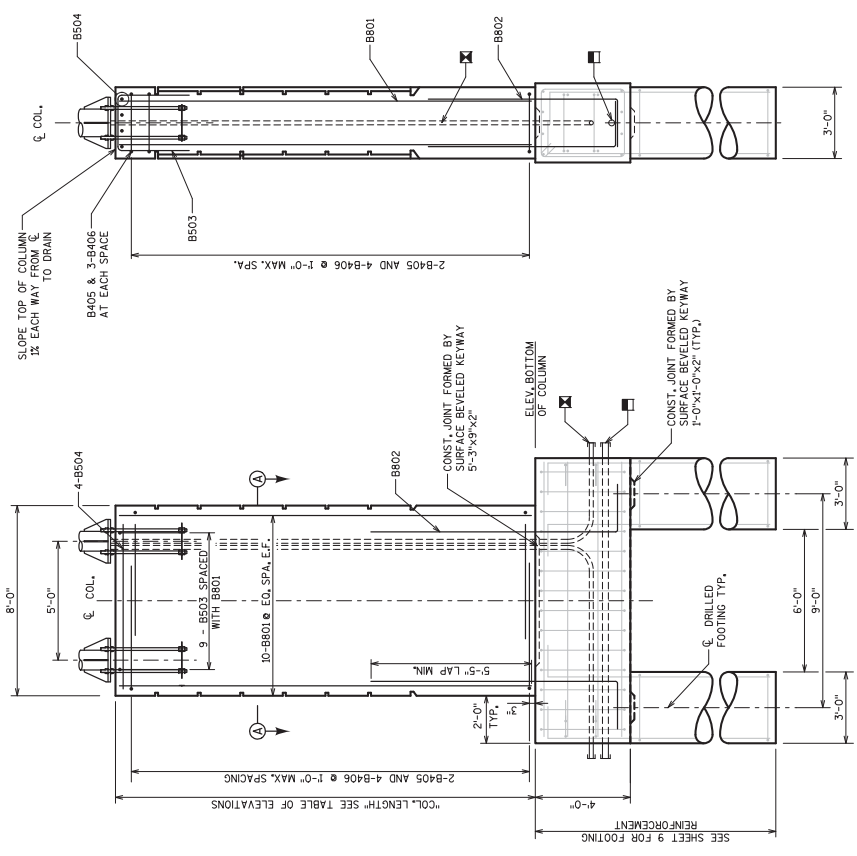
LEGEND

- ☒ 12x2" DIA. NON-METALLIC CONDUIT, EXTEND CONDUIT 6" BEYOND FACE OF GRADE BEAM AND TOP OF COLUMN, CAP OR SEAL WITH CONCRETE MASONRY PLUG, INCIDENTAL TO "SIGN SUPPORTS"
- ☐ 10-3/8" DIA. NON-METALLIC CONDUIT, EXTEND CONDUIT 6" BEYOND FACE OF GRADE BEAM AND CAP OR SEAL WITH SUITABLE REMOVABLE PLUG, INCIDENTAL TO "SIGN SUPPORTS CONCRETE MASONRY."

Addendum No. 02
ID 1030-20-84
Revised Sheet 1090
July 11, 2018



ANCHOR BOLT DETAILS



ELEVATION
(B406 NOT SHOWN FOR CLARITY)

END VIEW
(B406 NOT SHOWN FOR CLARITY)

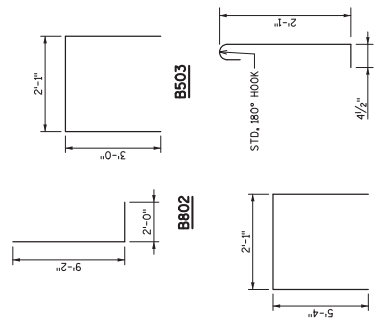
BILL OF BARS

BAR MARK	NO.	NO. COLUMN "A"	NO. COLUMN "B"	LENGTH	BAR SERIES	LOCATION
B801	X	24		20'-8"		COLUMN - VERTICAL
B802	X	24		11'-0"	X	FOOTING - DOWELS
B503	X	9		7'-10"	X	COLUMN - STIRRUPS
B504	X	9		6'-8"	X	COLUMN - HORIZONTAL (TOP)
B405	X	44		56	X	COLUMN - HORIZONTAL
B406	X	88		12'-6"	X	COLUMN TIES
B801	X		24	26'-6"		COLUMN - VERTICAL



TABLE OF ELEVATIONS

STRUCTURE	TOP OF COLUMN EL.		BOT. OF COLUMN EL.		COL. LENGTH	
	COLUMN "A"	COLUMN "B"	COLUMN "A"	COLUMN "B"	COLUMN "A"	COLUMN "B"
S-40-819	767.19	770.44	746.27	743.57	20'-11"	26'-10 1/2"



ADDENDUM NO. 2
NO. DATE REVISION
F-6-18
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
S-40-819
DRAWN BY: TAL
PLANS: BDT
SHEET 7 OF 8
CONCRETE COLUMN AND REINFORCEMENT DETAILS
1090

William C. Dulac
7/16/18

(CONTINUED)

Division 2-IH 94 SB

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Cut	Fill	Cut	Fill	
415+50	41550.00	50.00	150.07	14.39	302.55	29.95	75632.71	13275.54	56956.53
416+00	41600.00	50.00	131.25	13.53	260.48	25.85	75893.19	13301.39	57191.16
416+50	41650.00	50.00	125.62	11.70	235.84	23.36	76131.04	13324.76	57405.64
417+00	41700.00	50.00	129.22	6.96	235.96	17.28	76367.00	13342.03	57624.32
417+50	41750.00	50.00	137.60	0.74	247.06	7.13	76614.06	13349.16	57864.25
418+00	41800.00	50.00	147.38	0.01	263.87	0.69	76877.93	13349.86	58127.42
418+50	41850.00	50.00	152.05	0.01	277.25	0.02	77155.18	13349.88	58404.66
419+00	41900.00	50.00	150.79	0.01	280.41	0.02	77435.58	13349.89	58685.04
419+50	41950.00	50.00	143.01	0.19	272.04	0.19	77707.62	13350.08	58956.90
420+00	42000.00	50.00	144.10	2.58	265.84	2.56	77973.46	13352.64	59220.17
420+50	42050.00	50.00	124.01	0.01	248.25	2.40	78221.71	13355.04	59466.03
421+00	42100.00	50.00	125.74	0.01	231.25	0.02	78452.96	13355.06	59697.26
421+50	42150.00	50.00	128.12	0.01	235.06	0.02	78688.02	13355.08	59932.29
422+00	42200.00	50.00	127.98	0.01	237.13	0.02	78925.15	13355.10	60169.41
422+50	42250.00	50.00	132.83	0.01	241.49	0.02	79166.64	13355.12	60410.88
423+00	42300.00	50.00	221.17	0.34	327.78	0.32	79494.42	13355.44	60738.33
423+50	42350.00	50.00	222.26	0.01	410.58	0.32	79905.00	13355.76	61148.59
424+00	42400.00	50.00	222.48	0.07	411.80	0.07	80316.80	13355.84	61560.31
424+50	42450.00	50.00	207.26	0.00	397.91	0.06	80714.70	13355.90	61958.16
425+00	42500.00	50.00	176.29	0.98	355.14	0.91	81069.84	13356.81	62312.39
425+50	42550.00	50.00	202.28	0.53	350.53	1.40	81420.37	13358.21	62661.52
426+00	42600.00	50.00	217.71	0.01	388.88	0.50	81809.25	13358.71	63049.90
426+50	42650.00	50.00	229.21	0.00	413.81	0.01	82223.06	13358.72	63463.70
427+00	42700.00	50.00	244.79	0.01	438.89	0.01	82661.95	13358.73	63902.58
427+50	42750.00	50.00	241.43	0.00	450.20	0.01	83112.16	13358.74	64352.78
428+00	42800.00	50.00	213.68	0.00	421.40	0.00	83533.56	13358.74	64774.17
428+00	AH	0.00	183.40	0.00	0.00	0.00	0.00	0.00	0.00
428+50	42850.00	50.00	184.48	0.11	358.99	0.07	83892.54	13358.81	340.56
429+00	42900.00	50.00	178.63	0.04	336.21	0.14	84228.76	13358.94	676.64
429+50	42950.00	50.00	178.32	0.05	330.51	0.08	84559.27	13359.03	1007.06
430+00	BK	0.00	170.69	0.23	323.16	0.26	84882.42	13359.29	1329.96
430+00	AH	0.00	140.22	0.23	0.00	0.00	0.00	0.00	0.00
430+50	43050.00	50.00	185.63	0.01	306.51	0.29	85188.93	13359.58	301.42
431+00	43100.00	50.00	149.71	0.00	310.50	0.01	85499.43	13359.59	611.91
431+50	43150.00	50.00	147.78	0.02	275.45	0.02	85774.88	13359.60	887.35
432+00	43200.00	50.00	152.68	0.01	278.20	0.03	86053.09	13359.63	1165.52
432+50	43250.00	50.00	169.42	0.00	298.24	0.01	86351.33	13359.64	1463.76
433+00	43300.00	50.00	171.78	0.00	315.93	0.00	86667.25	13359.64	1779.68
433+50	43350.00	50.00	169.01	0.00	315.55	0.00	86982.80	13359.64	2095.23
434+00	43400.00	50.00	162.12	0.00	306.60	0.00	87289.40	13359.64	2401.83
434+50	43450.00	50.00	163.10	0.10	301.13	0.09	87590.53	13359.73	2702.87
435+00	43500.00	50.00	168.07	1.03	306.64	1.05	87897.17	13360.78	3008.46
435+50	43550.00	50.00	174.83	1.32	317.50	2.18	88214.67	13362.96	3323.78

Addendum No. 02
 ID 1030-20-84
 Revised Sheet 1112
 July 11, 2018

(CONTINUED ON NEXT SHEET)

PROJECT NO: 1030-20-84

HWY: IH 94

COUNTY: MILWAUKEE

EARTHWORK

SHEET: 1112

E

FILE NAME: S:\FinalDesign\10302084_SMRoadsects_090101_ew.ppt

PLOT DATE: 7/26/2018 11:58:02 AM

PLOT BY: MSCGEJ

PLOT NAME: 090101_ew2

PLOT SCALE: 1:1

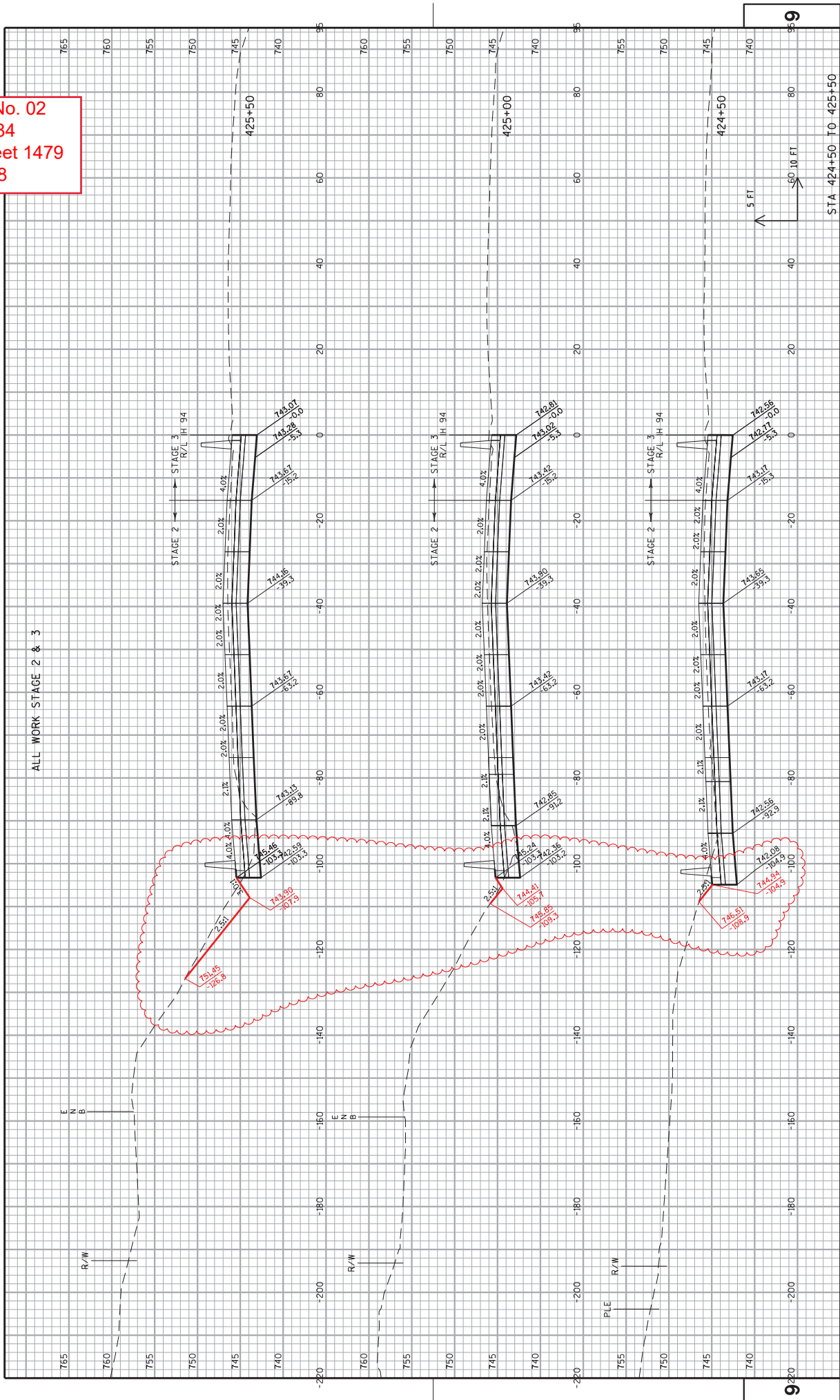
(CONTINUED)

Division 2-IH 94 SB

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Cut	Fill	Cut	Fill	
436+00 BK	43600.00	50.00	184.72	0.80	332.92	1.96	88547.59	13364.92	3654.74
436+00 AH	43600.00	0.00	16.53	0.27	0.00	0.00	0.00	0.00	0.00
436+15	43614.97	14.97	16.54	0.27	40.25	0.25	88587.84	13365.17	7.92
436+19 BK	43619.00	4.03	16.48	0.55	2.46	0.06	88590.30	13365.23	8.32
COLUMN TOTALS							144,120.84	22931.62	

Addendum No. 02
 ID 1030-20-84
 Revised Sheet 1113
 July 11, 2018

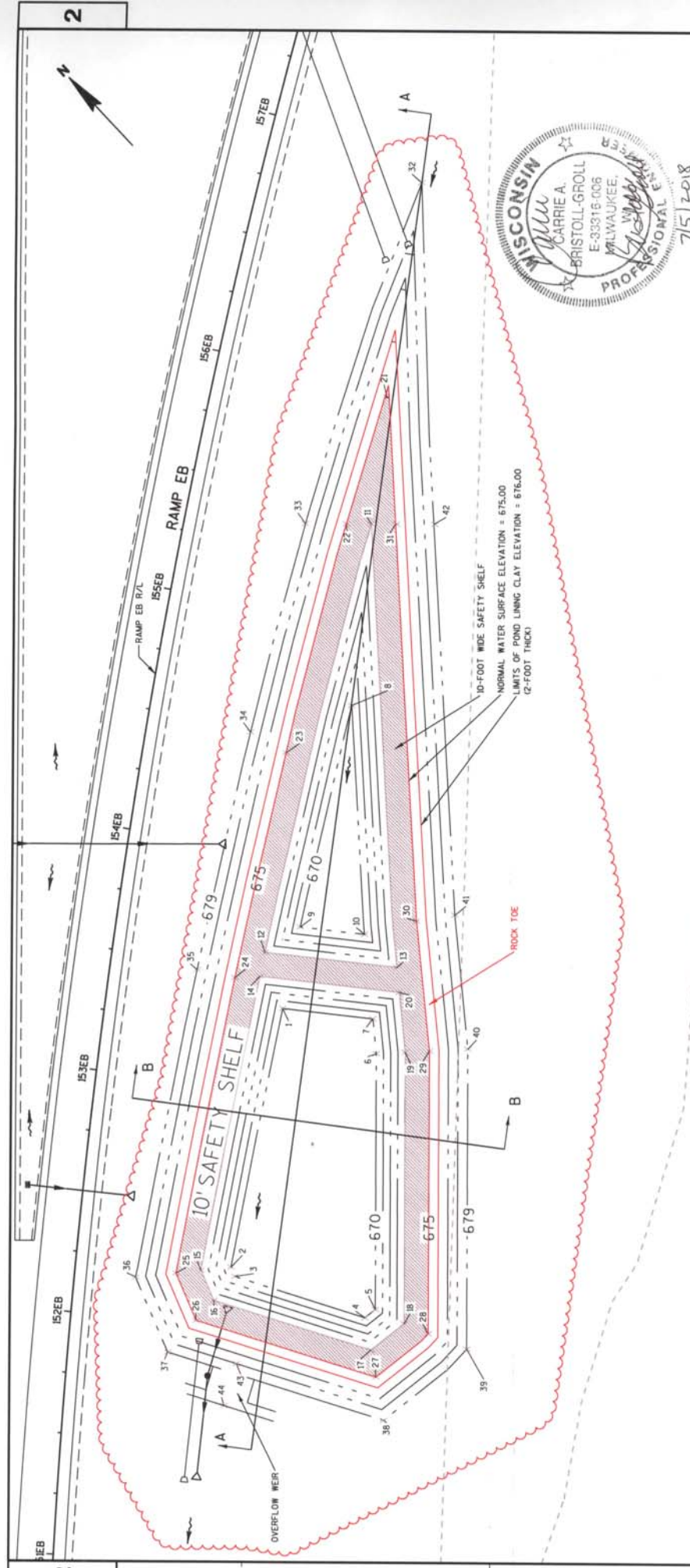
Addendum No. 02
 ID 1030-20-84
 Revised Sheet 1479
 July 11, 2018



ALL WORK STAGE 2 & 3

PROJECT NO: 1030-20-84
 COUNTY: MILWAUKEE
 CROSS SECTIONS: IH 94 SB
 HWY: IH 94
 SHEET 1479
 E

FILE NAME : S:\P\mg\Design\MIL\10302084_SMARoads\ccts\090202_ss_94.dgn
 PLOT DATE : 03-JUL-2018 09:00
 PLOT BY : MCKLB
 PLOT NAME : 090202_ss_94
 PLOT SCALE : 20:1
 WISDOT/CADDIS SHEET 21



GENERAL NOTES:

1. SEE GEOTECHNICAL INVESTIGATION FOR ANTICIPATED SUBSURFACE CONDITIONS INCLUDING GROUNDWATER CONSIDERATIONS.
2. STORM SEWER PIPE AND STRUCTURE INFORMATION SHOWN FOR REFERENCE ONLY. REFER TO STORM SEWER PLAN SHEETS FOR CONSTRUCTION DETAILS.
2. EROSION CONTROL MEASURES SHOWN FOR REFERENCE ONLY. REFER TO EROSION CONTROL PLAN SHEETS FOR CONSTRUCTION DETAILS.
3. IN ACCORDANCE WITH WISCONSIN STATUTE §B2.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE OWNERS OF ALL SYSTEMS NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCING ANY EXCAVATION WORK. THE CONTRACTOR SHALL CONTAINED ON THIS DRAWING, AND FURTHER EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.
4. ALL UNDERGROUND STRUCTURES AND UTILITIES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND DEPTH.

Addendum No. 02
ID 1030-20-87
Revised Sheet 217
July 11, 2018

POINT	STATION	OFFSET	ELEV.
1	153+35.35	73.46'	HT 670.00
2	152+24.70	64.47'	HT 670.00
3	152+20.95	66.51'	HT 670.00
4	152+08.87	123.81'	HT 670.00
5	152+12.80	125.77'	HT 670.00
6	153+21.01	114.44'	HT 670.00
7	153+26.15	111.14'	HT 670.00
8	153+30.27	76.00'	HT 670.00
9	153+30.27	102.89'	HT 670.00
10	153+71.15	102.89'	HT 670.00

POINT	STATION	OFFSET	ELEV.
11	153+42.57	76.58'	HT 674.00
12	153+57.59	63.95'	HT 674.00
13	153+59.18	118.17'	HT 674.00
14	153+47.36	62.20'	HT 674.00
15	152+22.10	52.35'	HT 674.00
16	152+10.11	58.64'	HT 674.00
17	151+95.26	125.66'	HT 674.00
18	152+07.89	138.24'	HT 674.00
19	152+25.08	135.12'	HT 675.00
20	153+48.84	120.54'	HT 674.00

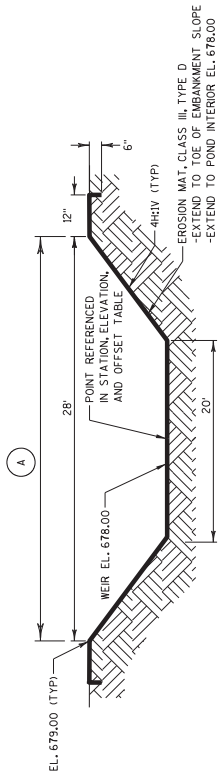
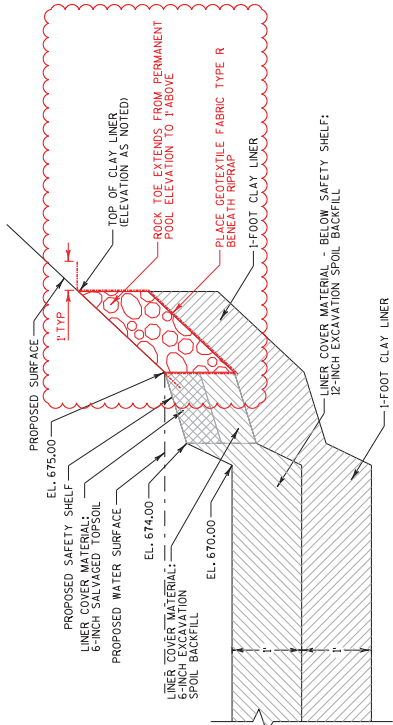
POINT	STATION	OFFSET	ELEV.
21	151+26.54	72.06'	HT 675.00
22	151+40.91	66.33'	HT 675.00
23	154+41.73	58.95'	HT 675.00
24	153+45.30	52.07'	HT 675.00
25	152+19.95	41.90'	HT 675.00
26	152+40.14	52.00'	HT 675.00
27	151+48.90	124.47'	HT 675.00
28	152+40.96	148.52'	HT 675.00
29	153+25.08	135.12'	HT 675.00
30	152+25.08	124.47'	HT 675.00
31	152+48.84	102.54'	HT 675.00

POINT	STATION	OFFSET	ELEV.
32	154+87.29	65.73'	HT 679.00
33	153+37.58	49.67'	HT 679.00
34	154+47.82	43.08'	HT 679.00
35	153+46.47	36.11'	HT 679.00
36	152+16.00	25.57'	HT 679.00
37	151+86.85	41.49'	HT 679.00
38	151+46.67	133.38'	HT 679.00
39	151+99.40	105.65'	HT 679.00
40	153+28.67	151.85'	HT 679.00
41	153+48.01	138.26'	HT 679.00
42	152+48.31	102.02'	HT 679.00

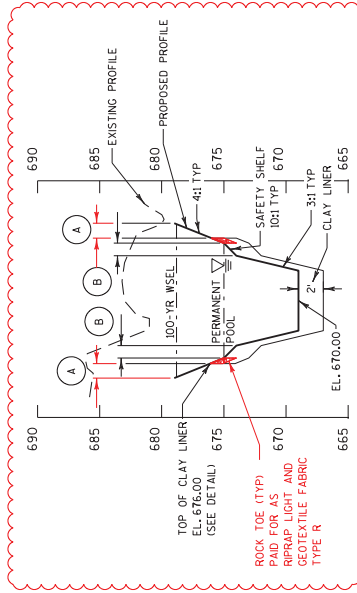
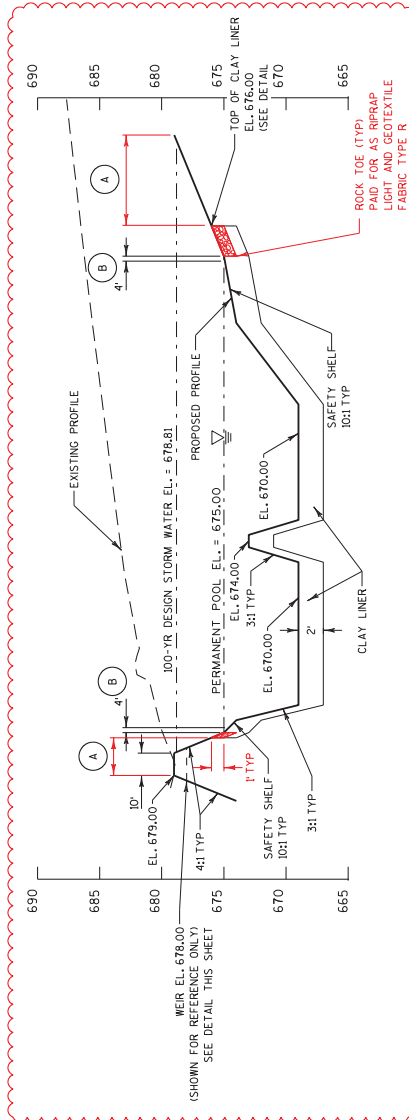
NOTE: POND STATION AND OFFSETS ARE FROM RAMP EB R/L

POINT	STATION	OFFSET	ELEV.
43	151+48.53	70.23'	HT 678.00
44	151+46.48	66.57'	HT 678.00

Addendum No. 02
ID 1030-20-87
Revised Sheet 218
July 11, 2018



TYPICAL OVERFLOW WEIR SECTION
SOUTHEAST DETENTION POND



SECTION B-B
PROPOSED TYPICAL SECTION
SOUTHEAST DETENTION POND

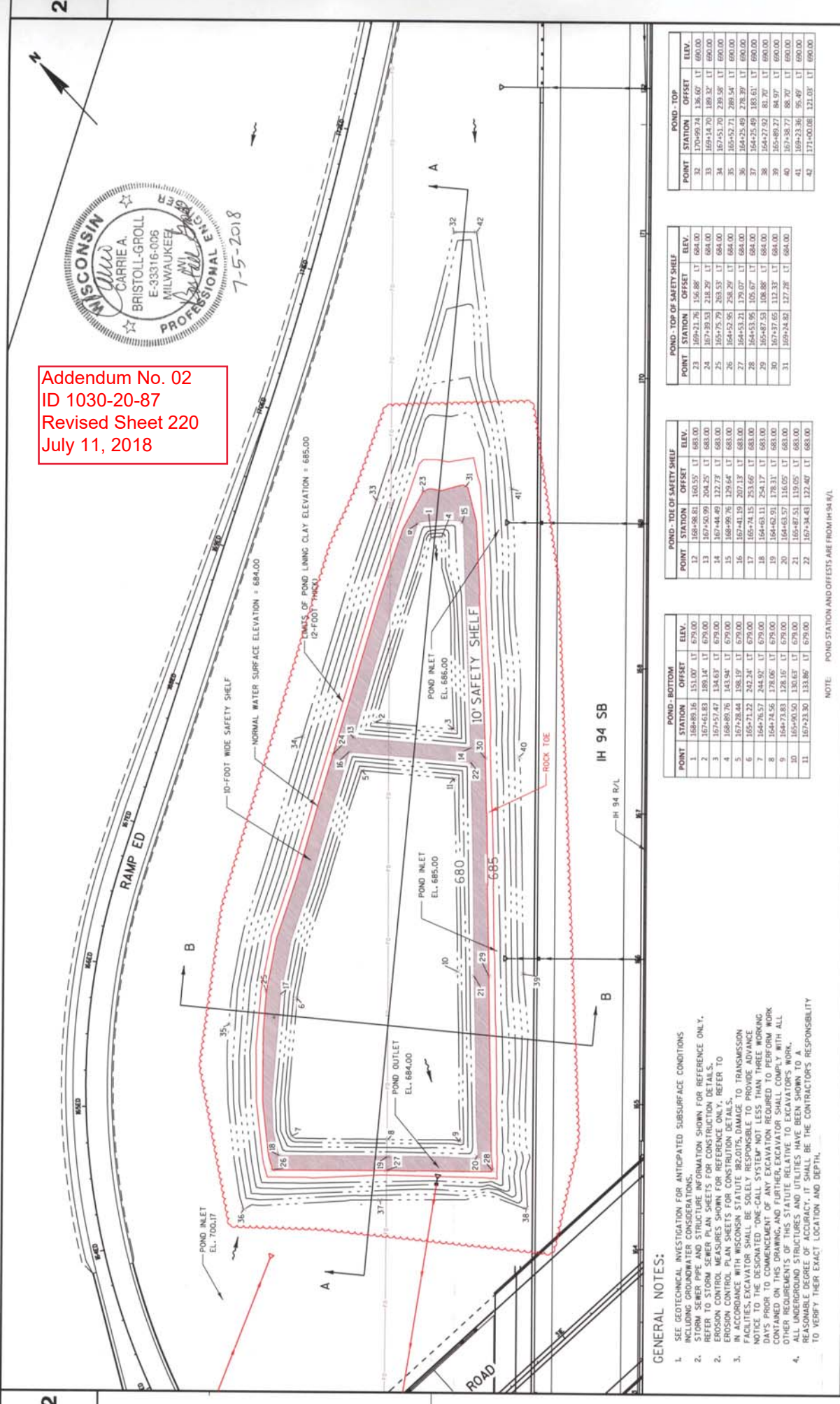
LEGEND
SEED, MIX NO. 10, FERTILIZER, TYPE B,
6" SALVAGED TOPSOIL & EROSION
MAT, URBAN, CLASS I, TYPE B
ROOTSTOCK, ROOTSTOCK PROTECTION
(SEE NOTE)

NOTES:
APPROXIMATE LOCATION OF ROOTSTOCK SHOWN, COORDINATE
WITH WISDOT ENVIRONMENTAL UNIT TO FINALIZE LOCATION
AND LAYOUT OF ROOTSTOCK VEGETATION PLANTINGS.

SECTION A-A
PROPOSED TYPICAL SECTION
SOUTHEAST DETENTION POND

(LOOKING WEST)
STA: 151+49 TO 157+17
RAMP EB

Addendum No. 02
 ID 1030-20-87
 Revised Sheet 220
 July 11, 2018



GENERAL NOTES:

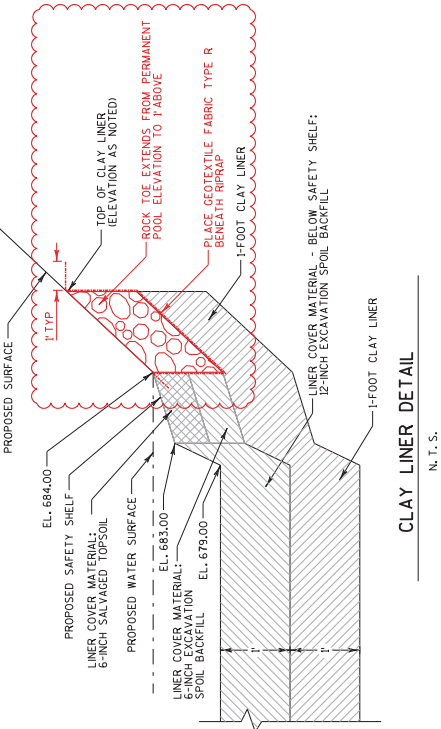
1. SEE GEOTECHNICAL INVESTIGATION FOR ANTICIPATED SUBSURFACE CONDITIONS DURING GROUNDWATER CONSIDERATIONS.
2. STORM CONTROL MEASURES SHOWN FOR REFERENCE ONLY. REFER TO STORM SEWER PLAN SHEETS FOR CONSTRUCTION DETAILS.
3. EROSION CONTROL MEASURES SHOWN FOR REFERENCE ONLY. REFER TO EROSION CONTROL PLAN SHEETS FOR CONSTRUCTION DETAILS.
4. IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE-CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK.
5. FURTHER EXCAVATION SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE.
6. ALL UNDERGROUND STRUCTURES AND UTILITIES HAVE BEEN SHOWN TO WORK. REASONABLE DEGREE OF ACCURACY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND DEPTH.

POINT	STATION	OFFSET	ELEV.
1	168+89.16	151.07	679.00
2	167+61.83	189.14	679.00
3	167+52.47	134.63	679.00
4	168+88.76	143.94	679.00
5	167+28.44	198.19	679.00
6	165+71.22	242.24	679.00
7	164+76.57	244.92	679.00
8	164+74.56	178.06	679.00
9	164+73.83	128.16	679.00
10	165+90.50	130.63	679.00
11	167+23.30	133.86	679.00
12	168+86.81	160.55	683.00
13	167+50.99	204.25	683.00
14	167+44.89	122.73	683.00
15	168+96.76	129.64	683.00
16	167+41.19	207.13	683.00
17	165+74.15	253.69	683.00
18	164+63.11	254.17	683.00
19	164+62.91	178.31	683.00
20	164+63.57	116.05	683.00
21	165+87.51	119.05	683.00
22	167+34.43	122.47	683.00
23	169+21.76	156.88	684.00
24	167+19.53	218.29	684.00
25	165+75.79	263.53	684.00
26	164+75.95	258.29	684.00
27	164+53.21	179.07	684.00
28	164+53.95	105.67	684.00
29	164+87.53	108.88	684.00
30	167+17.65	112.37	684.00
31	169+24.82	127.28	684.00
32	170+49.74	135.02	690.00
33	169+14.70	189.32	690.00
34	167+51.70	228.58	690.00
35	164+52.71	278.54	690.00
36	164+35.49	278.39	690.00
37	164+35.49	183.61	690.00
38	164+27.03	81.70	690.00
39	165+49.77	84.97	690.00
40	167+18.77	88.70	690.00
41	169+33.16	95.49	690.00
42	171+00.00	121.03	690.00

POINT	STATION	OFFSET	ELEV.
1	168+89.16	151.07	679.00
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40	167+18.77	88.70	690.00
41	169+33.16	95.49	690.00
42	171+00.00	121.03	690.00

NOTE: POND STATION AND OFFSETS ARE FROM IH 94 R/L



CLAY LINER DETAIL

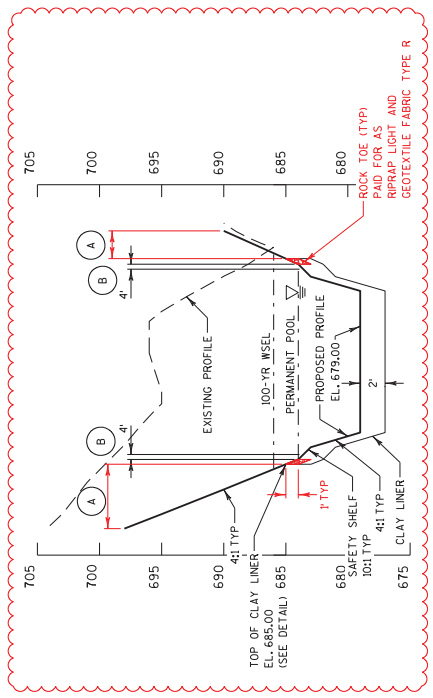
N. T. S.

Addendum No. 02
 ID 1030-20-87
 Revised Sheet 221
 July 11, 2018



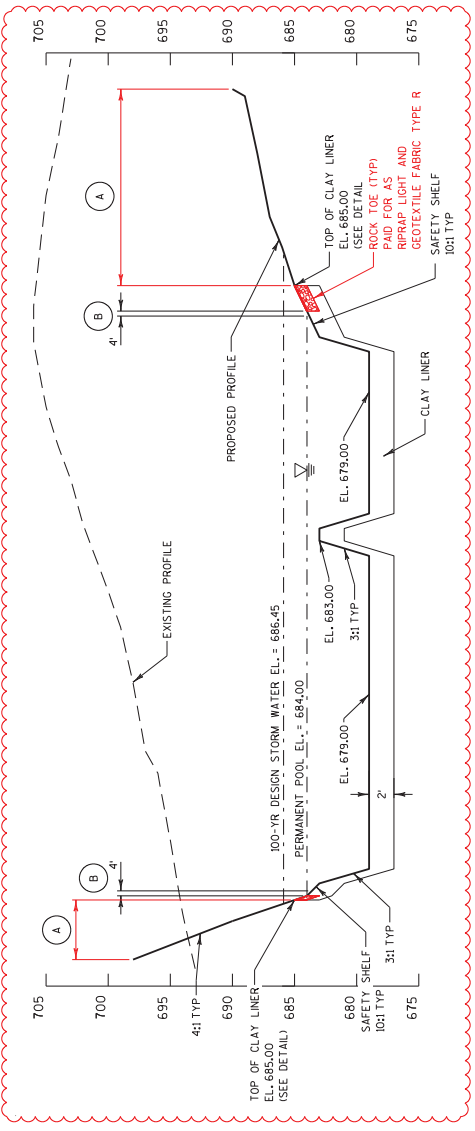
- LEGEND
- (A) SEED MIX NO. 10, FERTILIZER TYPE B, 6" SALVAGED TOPSOIL, & EROSION MAT, URBAN, CLASS 1, TYPE B
 - (B) ROOTSTOCK, ROOTSTOCK PROTECTION (SEE NOTE)

NOTES:
 APPROXIMATE LOCATION OF ROOTSTOCK SHOWN, COORDINATE WITH WISDOT ENVIRONMENTAL UNIT TO FINALIZE LOCATION AND LAYOUT OF ROOTSTOCK VEGETATION PLANTINGS.



SECTION B-B
PROPOSED TYPICAL SECTION
NORTHWEST DETENTION POND

(LOOKING NORTH)
STA: 165+40
ISH 94 SB



SECTION A-A
PROPOSED TYPICAL SECTION
NORTHWEST DETENTION POND

(LOOKING WEST)
STA: 163+81 TO 171+29
ISH 94 SB

EARTHWORK SUMMARY

CATEGORY	STAGE	ROADWAY	FROM / TO STATION	205-0100		SPV.0035.0008		SPV.0035.0009		SPV.0035.0006		SPV.0195.0010		SPV.0195.0012		MASS ORDINATE +/-
				EXCAVATION COMMON	EXCAVATION (2/5)	EBS BACKFILL	ROADWAY EMBANKMENT (3)	SOIL DRYING TREATMENT	STRENGTHENING TREATMENT	ROADWAY EMBANKMENT	SOIL DRYING TREATMENT	STRENGTHENING TREATMENT	ROADWAY EMBANKMENT	SOIL DRYING TREATMENT	STRENGTHENING TREATMENT	
				CY	CY	CY	CY	CY	TON	TON	TON	TON	TON	TON	TON	
1000	1	RAMP EC	160+00 to 161+31	0	0	0	0	7,711	0	0	0	0	0	0	0	-7,711
		RAMP ED	162+09 to 172+00	81,646	12,247	12,247	12,247	13,427	306	7,348	306	7,348	306	7,348	306	68,219
		ELM	8+47 to 28+50	15,756	2,363	2,363	2,363	50,250	59	1,418	59	1,418	59	1,418	59	-34,494
		TEMPORARY WIDENING	1131+39 to 1221+15	52,300	7,845	7,845	7,845	19,478	196	4,707	196	4,707	196	4,707	196	32,822
		SUBTOTALS STAGE 1		149,702	22,455	22,455	22,455	90,866	561	13,473	561	13,473	561	13,473	561	68,837
1000	2	IH 94 SB	131+35 to 220+00	42,024	6,304	6,304	6,304	97,885	158	3,782	158	3,782	158	3,782	158	-55,861
		IH 94 NB	147+00 to 190+50	17,925	2,689	2,689	2,689	68,199	67	1,613	67	1,613	67	1,613	67	-50,273
		RAMP EC	145+64 to 160+00	5,383	807	807	807	43,603	20	484	20	484	20	484	20	-38,220
		RAMP ED	172+00 to 182+33	56,957	2,848	2,848	2,848	2,473	71	1,709	71	1,709	71	1,709	71	54,484
		ELM	28+50 to 30+02	0	0	0	0	15,018	0	0	0	0	0	0	0	-15,018
		27TH STREET	805+75 to 818+50	1,555	233	233	233	310	6	140	6	140	6	140	6	1,244
		RAMP ED - POND	--	48,142	0	0	0	208	0	0	0	0	0	0	0	47,934
		TEMPORARY WIDENING	149+38 to 179+22	2,604	391	391	391	11,728	10	235	10	235	10	235	10	-9,125
		SUBTOTALS STAGE 2		174,580	13,272	13,272	13,272	239,425	332	7,963	332	7,963	332	7,963	332	-64,835
1000	4	IH 94 NB	131+35 to 146+50	19,370	2,906	2,906	2,906	21,366	73	1,744	73	1,744	73	1,744	73	-1,896
		RAMP EA	191+00 to 220+00	36,191	5,429	5,429	5,429	15,104	136	3,257	136	3,257	136	3,257	136	21,087
		RAMP EB	166+10 to 179+84	29,289	4,393	4,393	4,393	41,669	110	2,636	110	2,636	110	2,636	110	-12,380
		ELM	149+13 to 165+50	0	0	0	0	7,580	0	0	0	0	0	0	0	-7,580
		OAKWOOD	33+44 to 34+66	1,154	173	173	173	3,557	4	104	4	104	4	104	4	-2,403
		RAMP EB - POND	17+00 to 22+00	15,552	0	0	0	1,241	0	0	0	0	0	0	0	14,311
		SUBTOTALS STAGE 4		101,556	12,901	12,901	12,901	90,517	323	7,741	323	7,741	323	7,741	323	11,039
		GRAND TOTALS		425,849	48,628	48,628	48,628	420,807	1,216	29,177	1,216	29,177	1,216	29,177	1,216	5,041

Notes:

- 1) Cut Volume Includes Concrete and Asphaltic Surface Material.
- 2) EBS Excavation to be backfilled with EBS Backfill - All EBS material is assumed to be wasted off-site.
- 3) Roadway Embankment = Unexpanded Fill
- 4) The Mass Ordinate + or - quantity is calculated by stage. A positive quantity indicates an excess of material within the stage and a negative number indicates a shortage of material within the stage. Mass Ordinate = Cut-Embankment. The mass ordinate is for informational purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes and does not guarantee the quality of Common Excavation, and if it can be reused onsite.
- 5) Geogrid Type SR is to be used in locations of EBS backfill. Quantity is listed elsewhere.

Addendum No. 02
 ID 1030-20-87
 Revised Sheet 362
 July 11, 2018

Addendum No. 02
ID 1030-20-87
Added Sheet 378A
July 11, 2018

ROCK TOE ITEMS

CATEGORY	LOCATION	606.0100 RIPRAP LIGHT CY	645.0130 GEOTEXTILE FABRIC TYPE SY
1000	NORTHWEST DETENTION POND	180	1060
	SOUTHEAST DETENTION POND	145	840
TOTAL		325	1900

STATE PROJECT NUMBER
1030-20-87

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.21
OPERATING RATING FACTOR: RF = 1.66
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS
STRUCTURE IS DESIGNED FOR 20 PSF FUTURE WEARING SURFACE

MATERIAL PROPERTIES

CONCRETE MASONRY
SLAB, PARAPET, APPROACH SLAB (HPC): $f_c = 4,000$ psi
PRESTRESSED GIRDER: $f_c = 8,000$ psi
ALL OTHER: $f_c = 4,000$ psi
BAR STEEL REINFORCEMENT:
HIGH STRENGTH, GRADE 60: $f_y = 60,000$ psi
EPOXY COATED ALL EXCEPT FOOTINGS
BAR STEEL REINFORCEMENT #5 STAINLESS STEEL: $f_y = 60,000$ psi
PRESTRESSING STRANDS = 0.6 INCH DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 psi

FOUNDATION DATA

ABUTMENTS AND PIERS TO BE SUPPORTED ON STEEL
PILE FOUNDATIONS. RESISTANCE AS DETERMINED
BY THE PILE CAPMAP ACCEPTANCE METHOD.
SOUTH ABUTMENT
PIER 1
220 TONS PER PILE
PIER 2
220 TONS PER PILE
NORTH ABUTMENT
PIER 1
220 TONS PER PILE
PIER 2
220 TONS PER PILE

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 /
CAPMAP ACCEPTANCE METHOD TO DETERMINE DRIVEN PILE CAPACITY.
ESTIMATED AXIAL RESISTANCE:
SOUTH ABUTMENT
PIER 1
70 FT
PIER 2
70 FT
NORTH ABUTMENT
PIER 1
75 FT
PIER 2
75 FT

TRAFFIC DATA

IH 94
A.D.T. = 95,745 (2017)
A.D.T. = 119,500 (2038)
R.D.S. = 70 MPH

HYDRAULIC DATA

0+0 4800 C.F.S.
1+0 P.C. EL 676.6
WATERWAY AREA 3050 S.F.
SCOUR CODE 36 S.O. MILES
ROADWAY OVERTOPPING N/A 5

NO.	DATE	REVISION
1	7/6/18	ADDENDUM NO. 2
2		

BLOOM COMPANIES, LLC
20001 W. Ross Road, Milwaukee, WI 53228
Phone: (414) 771-8300 Fax: (414) 771-4480

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED: *William C. DeLore* 6/19/18
DATE: 6/19/18
DATE: 6/19/18

STRUCTURE B-40-800

COUNTY: MILWAUKEE
TOWN/CITY/VILLAGE: DOK CREEK

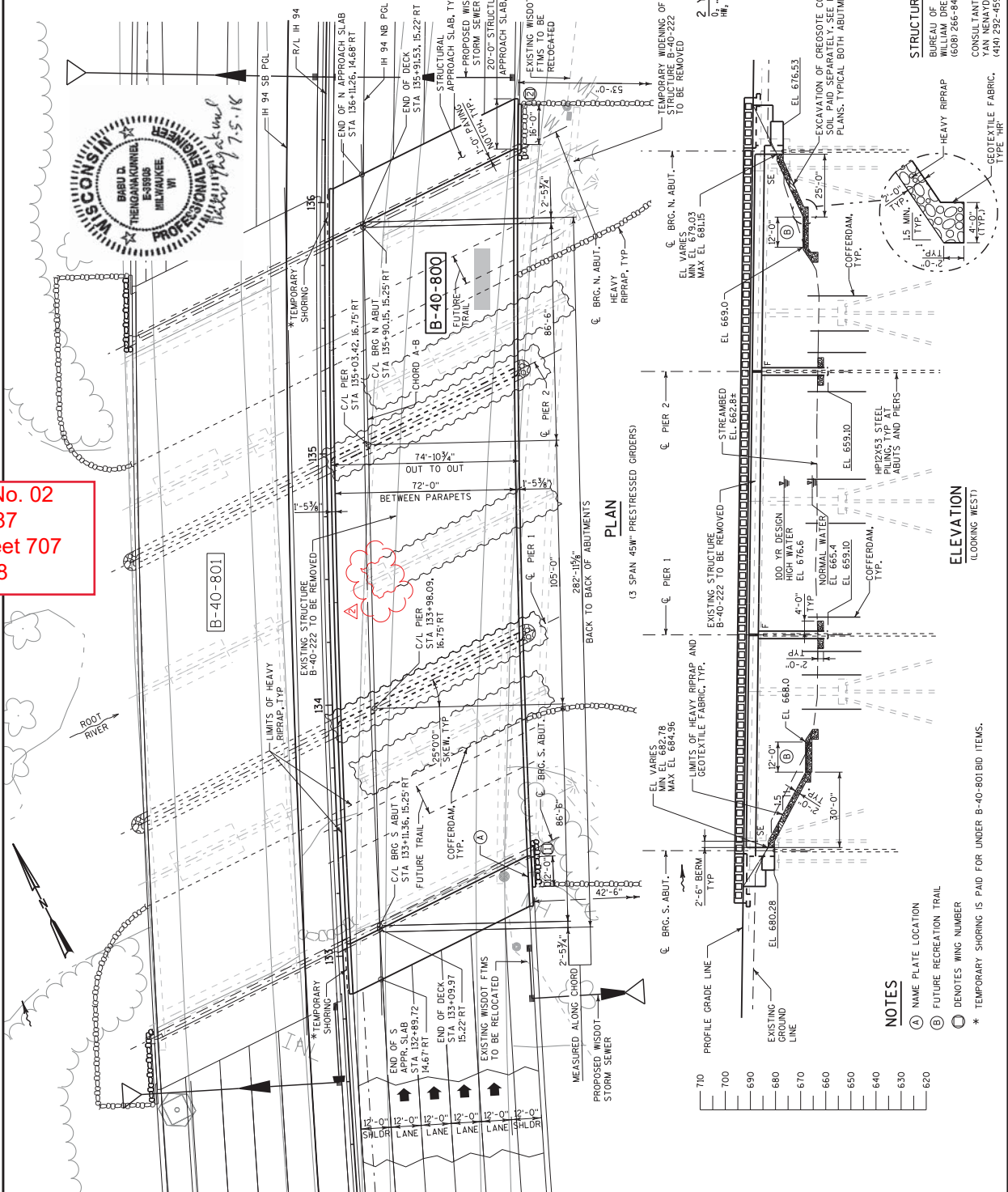
DESIGN SPEC.: ASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
DESIGNED BY: T.A.L. / C.K.C. / B.O.T.
CHECKED BY: T.A.L. / C.K.C. / B.O.T.

GENERAL PLAN & ELEVATION

SHEET 1 OF 33

707

Addendum No. 02
ID 1030-20-87
Revised Sheet 707
July 11, 2018



STRUCTURE DESIGN CONTACTS
BUREAU OF STRUCTURES CONTACT:
WILLIAM DREHER
(608) 266-8489

CONSULTANT CONTACT:
JAMES HENNING
(414) 232-4539

**EXCAVATION OF CREDOSITE CONTAMINATED
AREA UNDER THE ROADWAY
PLANS, TYPICAL BOTH ABUTMENTS.**

PLAN
(LOOKING WEST)

ELEVATION
(LOOKING WEST)

- NOTES**
- (A) NAME PLATE LOCATION
 - (B) FUTURE RECREATION TRAIL
 - (C) DENOTES WING NUMBER
 - * TEMPORARY SHORING IS PAID FOR UNDER B-40-800 BID ITEMS.

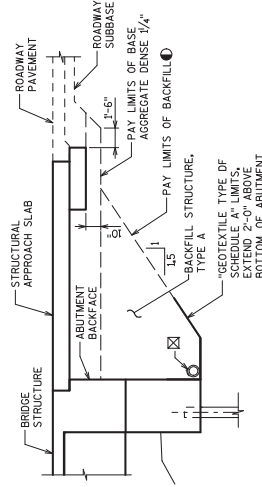
TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	S. APPROACH SLAB	SOUTH ABUTMENT	PIER 1	PIER 2	NORTH ABUTMENT	N. APPROACH SLAB	SUPER.	TOTAL
203.020.S.0006	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-40-222	LS	-	-	-	-	-	-	-	1
203.070.S.0001	REMOVING OLD STRUCTURE OVER WATERWAY WITH DEBRIS CAPTURE SYSTEM STATION 134+36 NB	LS	-	-	-	-	-	-	-	1
206.000.4000	EXCAVATION FOR STRUCTURES BRIDGES B-40-800	LS	-	-	-	-	-	-	-	1
206.000.4000	COFFERDAMS STRUCTURE B-40-800	LS	-	-	-	-	-	-	-	1
210.0500	BACKFILL STRUCTURE TYPE A	TON	-	321	-	-	291	-	-	612
306.0025	BASE AGGREGATE DENSE 1 1/4-INCH	CY	127	-	-	-	-	130	-	257
501.000.S	ICE HOT WEATHER CONCRETING	LB	770	590	2040	1930	610	770	4370	10880
502.0100	CONCRETE MASONRY BRIDGES	CY	23	78	212	257	81	23	-	734
502.3200	PROTECTIVE SURFACE TREATMENT	SY	160	-	-	-	-	160	2287	2607
502.3210	PORIMENTED SURFACE SEALER	SY	20	-	-	-	-	20	2771	317
503.0416	PRESTRESSED GIRDER TYPE 145H-INCH	LF	-	-	-	-	-	-	2785	2785
505.0600	BAR STEEL REINFORCEMENT HIS COATED STRUCTURES	LB	17,260	6,440	9,290	8,880	6,660	17,430	156,980	229,940
505.0800.S	BAR STEEL REINFORCEMENT HIS STAINLESS STRUCTURES	LB	1,300	-	-	-	-	1,300	-	2600
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	10	20	20	10	-	-	60
506.4000.4000	STEEL DIAPHRAGMS STRUCTURE B-40-800	EACH	-	-	-	-	-	-	54	54
586.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	17	-	-	18	-	-	35
517.000.S.4005	CONCRETE STANNING STRUCTURE B-40-800	SF	74	473	3846	3659	494	74	316	11736
550.0120	PILING STEEL HP 12-INCH X 53 LB	LF	-	910	1540	1540	975	-	4965	4965
606.0300	RIPRAP HEAVY	CY	-	348	59	59	308	-	-	774
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	10	-	-	10	-	-	220
645.0011	GEOTEXTILE TYPE DP SCHEDULE A	SY	-	70	-	-	71	-	-	141
645.0120	GEOTEXTILE TYPE HR	SY	-	522	88	88	461	-	-	1059
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	-	18	-	-	18	-	0	36
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	-	18	-	-	18	-	934	934
653.0220	JUNCTION BOXES 18X6X6-INCH	EACH	-	-	-	-	-	-	2	2
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	-	-	-	-	-	-	80	80
SPV.0036.4000	HPC MASONRY STRUCTURES	CY	80	2	2	2	2	1440	20196	23076
SPV.0060.4001	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH	-	2	2	2	2	-	-	8
SPV.0060.4000	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH	-	2	2	2	2	-	-	8
SPV.0065.4001	LONGITUDINAL GROOVING BRIDGE DECK	SF	1440	-	-	-	-	1440	14200	14200
SPV.0065.4002	PARTIAL DEPTH PRECAST PRESTRESSED CONCRETE DECK PANELS B-40-800	SF	-	-	-	-	-	-	-	-
	NON-BID ITEMS	SIZE								1/2" & 3/4"
	FILLER									
	NAME PLATE									

ALL BID ITEMS ARE CATEGORY 2200

THIS ITEM INCLUDES REMOVAL OF THE EXISTING BRIDGE B-40-222 AND THE TEMPORARY BRIDGE WIDENING. SEE SEPARATE PLANS FOR TEMPORARY BRIDGE WIDENING.

Addendum No. 02
ID 1030-20-87
Revised Sheet 709
July 11, 2018



STRUCTURAL BACKFILL LIMITS

- LEGEND**
- BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL STRUCTURES, LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
 - ⊠ PIPE UNDERDRAIN WRAPPED (6" INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE, ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



HORIZONTAL CURVE DATA

R. IH 94
 PI = 132+38.65
 N: 228667.02
 E: 552725.525
 R = 442'30.35, 07" RT.
 Δ = 42°10'21.78"
 D = 1702'11.78"
 L = 4000.86
 E = 403.42
 PC = 10+88.68
 N: 228517.47
 E: 551945.249
 PT = 15+88.68
 N: 230222.68
 E: 559595.26

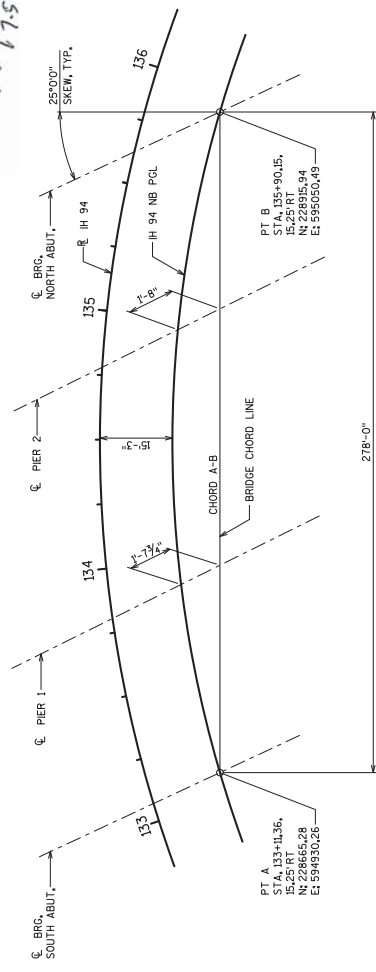
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8

NO.	DATE	REVISION
1	7/6/18	ADDENDUM NO. 2
2		BY

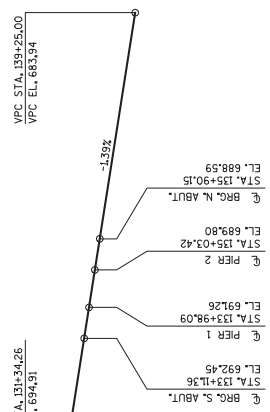
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-800		
DRAWN	TB	PLANS
BT	LOC.	BOT
QUANTITIES AND PROFILE GRADE LINES		
SHEET 3 OF 33		
709		



CHORD LINE LAYOUT

PROFILE GRADE LINE - IH 94 NB



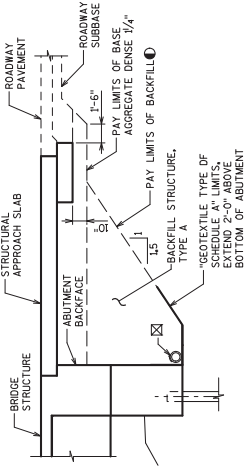
TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	S. APPROACH SLAB	SOUTH ABUTMENT	PIER 1	PIER 2	NORTH ABUTMENT	N. APPROACH SLAB	SUPER,	TOTAL
203.0210.S.0005	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-40-221	LS	-	-	-	-	-	-	-	1
203.0700.S.0002	REMOVING OLD STRUCTURE OVER WATERWAY WITH DEBRIS CAPTURE SYSTEM STATION 134+36 SB	LS	-	-	-	-	-	-	-	1
206.0000.4801	EXCAVATION FOR STRUCTURES BRIDGES B-40-801	LS	-	-	-	-	-	-	-	1
206.0000.4001	COFFERDAMS STRUCTURE B-40-801	LS	-	-	-	-	-	-	-	1
220.1500	BACKFILL STRUCTURE TYPE A	TON	-	445	-	-	422	-	-	837
505.0205	BASE AGGREGATE DENSE 1 1/4-INCH	CY	127	-	-	-	-	130	-	257
501.0000.S	ICE HOT WEATHER CONCRETING	LB	817	728	1093	2,126	713	832	4,208	13,417
502.0100	CONCRETE MASONRY BRIDGES	CY	23	97	283	283	95	23	-	817
502.3200	PROTECTIVE SURFACE TREATMENT	SY	160	-	-	-	-	160	2,530	2,850
502.3220	PIGMENTED SURFACE SEALER	SY	20	-	-	-	-	20	276	316
503.0146	PRESTRESSED GIRDER TYPE I 48W-INCH	LF	-	-	-	-	-	-	2,782	2,782
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	17,260	8,200	10,090	9,620	7,080	17,410	156,880	227,080
505.0600.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1250	-	-	-	-	1,290	-	2,580
506.2605	BEARING PAIS ELASTOMERIC NON-LAMINATED	EACH	-	10	20	20	10	-	54	60
511.0000.4020	STEEL DIAPHRAGMS STRUCTURE B-40-801	EACH	-	-	-	-	-	-	-	-
512.0000.4020	TEMPORARY SHORING STRUCTURE B-40-801	SF	-	196	-	-	178	-	-	374
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	18	-	-	18	-	-	37
517.1000.S.4006	CONCRETE STAINING STRUCTURE B-40-801	SF	150	144	524	498	137	150	3,602	5,205
550.4120	PILING STEEL HP 12-INCH X 53 LB	LF	-	910	1,540	1,540	975	-	4,965	9,165
606.0300	RIPRAP HEAVY	CY	-	492	51	51	516	-	-	1,109
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	110	-	-	110	-	-	220
645.0111	GEOTEXTILE TYPE DR SCHEDULE A	SY	-	81	-	-	83	-	-	164
645.0210	GEOTEXTILE TYPE HR	SY	-	839	180	180	885	-	-	2,085
SPV0035.4000	HPC MASONRY STRUCTURES	CY	-	2	-	-	2	-	-	4
SPV0060.4001	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH	-	2	2	2	2	-	-	8
SPV0060.4100	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH	-	2	2	2	2	-	-	8
SPV0065.4001	LONGITUDINAL GROOVING BRIDGE DECK	SF	1,444	-	-	-	-	1,444	20,340	23,229
SPV0165.4020	PARTIAL DEPTH PRECAST CONCRETE DECK PANELS B-40-801	SF	-	-	-	-	-	-	14,440	14,440
	NON-BID ITEMS									
	NAME PLATE									
	FILLER									
	SIZE									1/2" x 3/4"

ALL BID ITEMS ARE CATEGORY 2210

Addendum No. 02
ID 1030-20-87
Revised Sheet 742
July 11, 2018

STATE PROJECT NUMBER
1030-20-87



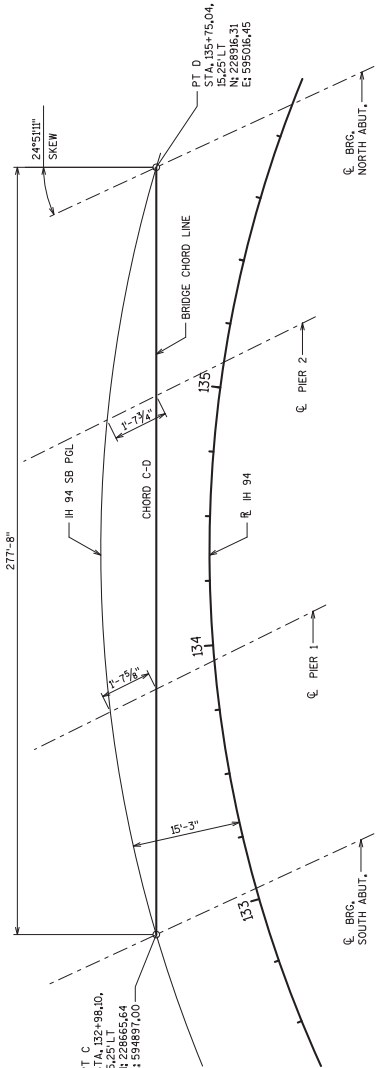
STRUCTURAL BACKFILL LIMITS

- LEGEND**
- BACKFILL PAY LIMITS BEYOND BACKFILL SHALL BE EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
 - ⊠ PIPE UNDERDRAIN WRAPPED 6-INCH SLOPE 0.5% AT ENDS OF PIPE UNDERDRAIN.

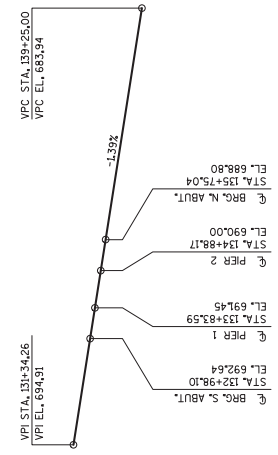


HORIZONTAL CURVE DATA

PI = 132+36.65
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 EI = 594476.25
 Δ = 42°30'35.07" RT.
 D = 102211.78"
 L = 4100.86
 E = 403.47
 PC = 110+88.68
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 EI = 595959.26



PROFILE GRADE LINE - IH 94 SB



CHORD LINE LAYOUT

ADDENDUM NO. 2
 REVISION NO. 2
 DEPARTMENT OF TRANSPORTATION
STRUCTURE B-40-801
 QUANTITIES AND PROFILE AND GRADE LINES
 SHEET 3 OF 34
 742

William C. Dulak
 7/16/18

TOTAL ESTIMATED QUANTITIES

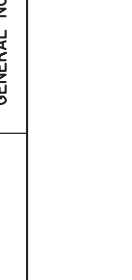
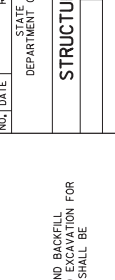
ITEM NO.	BID ITEMS	UNIT	E. APPROACH SLAB	EAST ABUTMENT	PIER 1	WEST ABUTMENT	W. APPROACH SLAB	SUPER,	TOTAL
206.1000.4802	EXCAVATION FOR STRUCTURES BRIDGES B-40-802	LS	-	-	-	-	-	-	1
206.1500	BACKFILL STRUCTURE TYPE A	TON	-	678	-	678	-	-	1,356
305.0025	BASE AGGREGATE DENSE 1 1/2-INCH	CY	174	-	-	-	174	-	348
501.0005	ICE HOT WEATHER CONCRETING	LB	1,150	980	1,840	970	1,150	8,410	14,460
502.0000	CONCRETE MASONRY BRIDGES	CY	41	150	229	29	41	-	570
502.3200	PROTECTIVE SURFACE TREATMENT	SY	244	-	-	-	244	3,014	3,503
502.3210	PIGMENTED SURFACE SEALER	SY	5	-	-	-	5	58	67
502.0085	PRESTRESSED ORDER TYPE 154W-INCH	LF	-	-	-	-	-	3,078	3,078
505.0400	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	29,550	9,480	68,740	9,950	29,450	177,650	325,230
506.0800.5	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1,920	-	-	-	1,920	-	3,840
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	13	26	13	-	-	52
506.4000.4030	STEEL DIAPHRAGMS STRUCTURE B-40-802	EACH	-	-	-	-	-	48	48
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	30	-	30	-	-	60
517.1010.5.4007	CONCRETE STAINING STRUCTURE B-40-802	SF	144	47	2,548	47	144	2,532	5,862
550.2226	PILING CIP CONCRETE 12 3/4 X 0.375-INCH	LF	-	2,530	7,290	2,530	-	-	12,350
604.0400	SLOPE PAVING CONCRETE	SY	-	42	-	42	-	-	84
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	320	-	305	-	-	625
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	-	134	-	134	-	-	268
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	-	50	-	50	-	-	100
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	-	-	-	-	-	489	489
657.6005	JUNCTION BOXES 8X24X6-INCH	EACH	-	-	-	-	-	5	5
SPV.0035.4000	HPC MASONRY STRUCTURES	CY	28	-	-	-	-	106	134
SPV.0090.4300	FENCE DECORATIVE BRIDGE	LF	44	-	-	-	-	47	91
SPV.0090.4320	PILING SLEEVES	LF	-	368	-	345	-	-	713
SPV.0085.4001	LONGITUDINAL GROOVING BRIDGE DECK	SF	1,760	-	-	-	1,726	24,220	24,706
SPV.0085.4030	PARTIAL DEPTH PRECAST PRESTRESSED CONCRETE DECK PANELS B-40-802	SF	-	-	-	-	-	15,768	15,768
	NON-BID ITEMS	SIZE							
	PREFORMED JOINT FILLER								1/2" & 3/4"
	NAME PLATE								
	PRECAST PIER COLUMNS								
	PRECAST PIER CAPS								
	GROUTED BAR COUPLERS								
	PRECAST BEARING BLOCKS								

* PRECAST PIER NON-BID ITEMS (PRECAST PIER COLUMNS, PRECAST PIER CAPS, PRECAST BEARING BLOCKS, AND GROUTED BAR COUPLERS) ARE FOR INFORMATION PURPOSES ONLY. IF THE CONTRACTOR ELECTS TO UTILIZE PRECAST PIER COLUMNS, PRECAST PIER CAPS, PRECAST BEARING BLOCKS, AND GROUTED BAR COUPLERS, THE CONTRACT SHALL GOVERN THE WORK PAYMENT FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES" FOR CAST-IN-PLACE PIER.

Addendum No. 02
ID 1030-20-87
Revised Sheet 776
July 11, 2018

GENERAL NOTES
DRAWINGS SHALL NOT BE SCALED.
BAR STEEL REINFORCEMENT SHALL BE PLACED WITH 2" OF CLEAR CONCRETE COVER UNLESS OTHERWISE NOTED. THE TOP LAYER OF BAR STEEL REINFORCEMENT IN THE DECK SHALL BE PLACED WITH 2 1/2" OF CLEAR CONCRETE COVER.
ELASTOMERIC BEARING PAD NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.
ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
ALL REINFORCING BARS ARE ENGLISH. THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFY THE BAR SIZE.
THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMIT OF EXCAVATION FOR STRUCTURES.
APPLY PROTECTIVE SURFACE TREATMENT TO THE TOP SURFACE OF THE DECK, MEDIAN, SIDEWALKS, AND TOP AND SIDES OF PAVING NOTCH.
PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE TOP SURFACE OF PARAPETS.
SEE SHEET 34 FOR CONCRETE STAINING DETAILS.

ALL BID ITEMS ARE CATEGORY 2220



THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. THE QUANTITIES AND ABUTMENT SIZES FOR 3 FEET BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES EXCAVATION TO BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

LEGEND
 BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
 PIPE UNDERDRAIN WRAPPED 16-INCH, SLOPE 0.5% MIN. TO DAYLIGHT BEYOND THE ENDS OF MSE WALL.

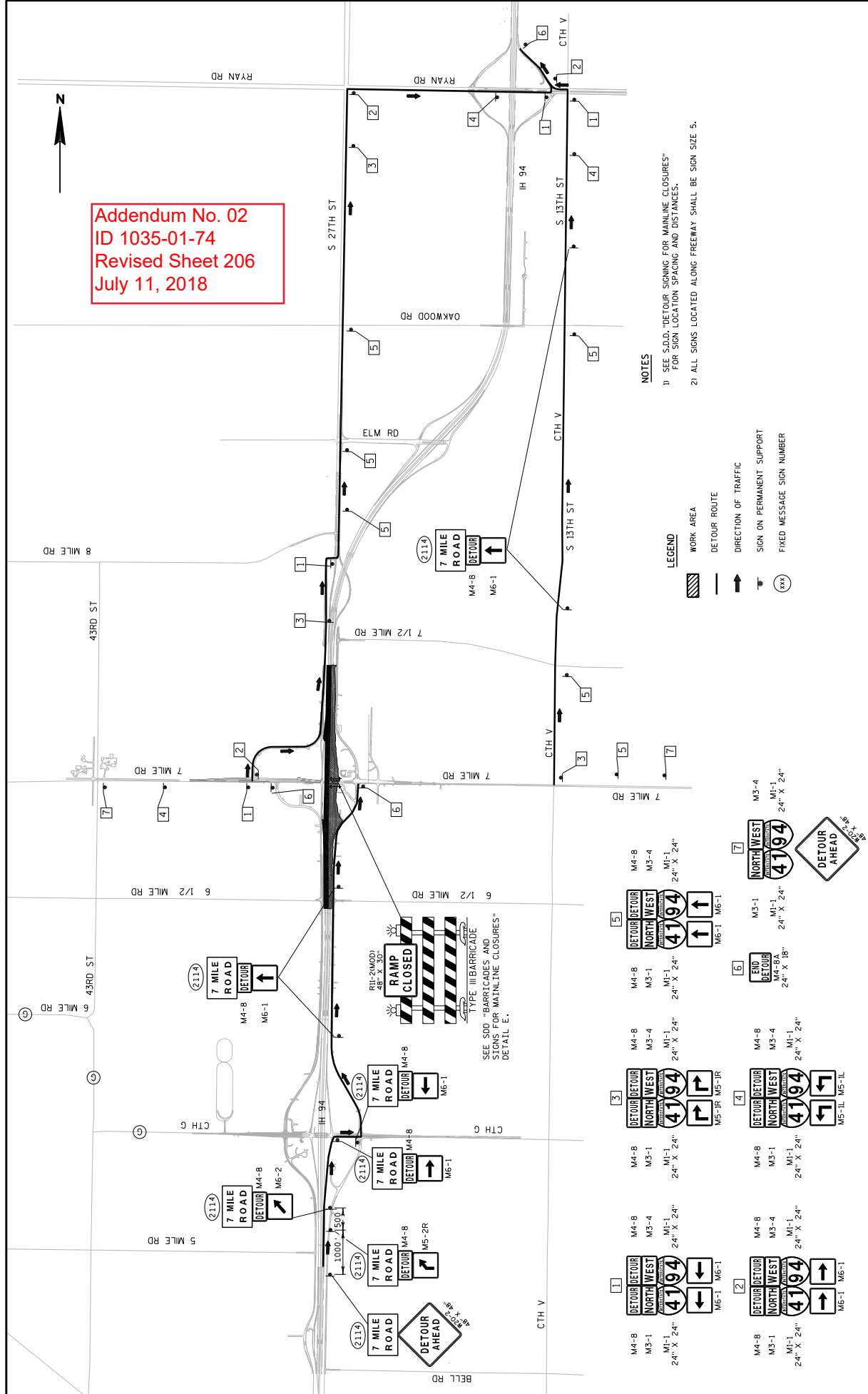
EARTHWORK SUMMARY

CATEGORY	DIVISION	FROM / TO STATION	ROADWAY	(1)		(2)		(3)		(4)		COMMENT
				EXCAVATION COMMON	EXCAVATION EBS	EXCAVATION EBS	BACKFILL	ROADWAY EMBANKMENT	ROADWAY EMBANKMENT	MASS ORDINATE	MASS +/-	
1000	1	341+50 - 353+50	EBS AT DITCH FILLS	0	368	368	0	0	0	0	0	USE 7 MILE WB CUT
	1	1242NE+20 - 1242NE+55	RAMP NE	377	70	70	0	0	377	377	0	USE 7 MILE WB CUT
	1	341+50 - 353+50	7 MILE ROAD WB	5,000	824	824	310	4,690	5,068	5,068	0	USE CUT BACKFILL / EBS
DIVISION 1 SUBTOTAL				5,378	1,262	1,262	310	5,068				
	2	343+50 - 353+50	EBS AT DITCH FILLS	0	99	99	0	0	0	0	0	USE 7 MILE EB CUT
	2	1240SE+76 - 1241SE+41	RAMP SE	1,070	180	180	0	1,070	6,138	6,138	0	USE 7 MILE EB CUT
	2	343+50 - 353+50	7 MILE ROAD EB	3,575	580	580	300	3,275	9,413	9,413	0	USE CUT BACKFILL / EBS
DIVISION 2 SUBTOTAL				4,645	859	859	300	4,345				
	3	334+00 - 335+35	7 MILE ROAD MEDIAN	81	0	0	0	81	9,493	9,493	0	
	3	337+25 - 354+00	EBS AT DITCH FILLS	0	199	199	0	0	9,493	9,493	0	
	3	337+25 - 354+00	7 MILE ROAD MEDIAN	2,910	470	470	620	2,290	11,783	11,783	0	
	3	335+50 - 358+50	7 MILE ROAD MEDIAN	803	0	0	0	803	12,586	12,586	0	
	3	360+36 - 362+50	7 MILE ROAD MEDIAN	386	0	0	0	386	12,973	12,973	0	
	3	3239+25-3241+25	EAST FRONTAGE RD	242	0	0	38	204	13,176	13,176	0	BERM REMOVAL
DIVISION 3 SUBTOTAL				4,422	669	669	658	3,763				
TOTALS				15,306	2,790	2,790	1,268	14,038				

Addendum No. 02
ID 1035-01-72
Revised Sheet 94
July 11, 2018

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
 (1) EXCAVATION COMMON VOLUME INCLUDES CONCRETE AND ASPHALTIC SURFACE MATERIAL.
 (2) EBS EXCAVATION TO BE BACKFILLED WITH EBS BACKFILL. ALL EBS MATERIALS ASSUMED TO BE WASTED OFF-SITE.
 (3) ROADWAY EMBANKMENT = UNEXPAVEMENTED FILL.
 (4) THE MASS ORDINATE +/- OR QUANTITY IS CALCULATED BY DIVISION. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION AND A NEGATIVE NUMBER INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION. MASS ORDINATE = EXCAVATION COMMON (1) - ROADWAY EMBANKMENT (4). THE MASS ORDINATE IS FOR INFORMATIONAL PURPOSES ONLY AS COMMON EXCAVATION AND ROADWAY EMBANKMENT ARE NOT BALANCED FOR QUANTITY PURPOSES AND DOES NOT GUARANTEE THE QUALITY OF COMMON EXCAVATION, AND IF IT CAN BE REUSED ON-SITE.

Addendum No. 02
 ID 1035-01-74
 Revised Sheet 206
 July 11, 2018

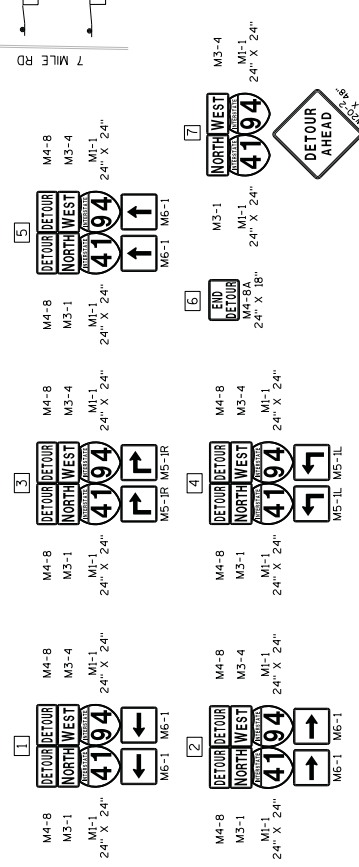


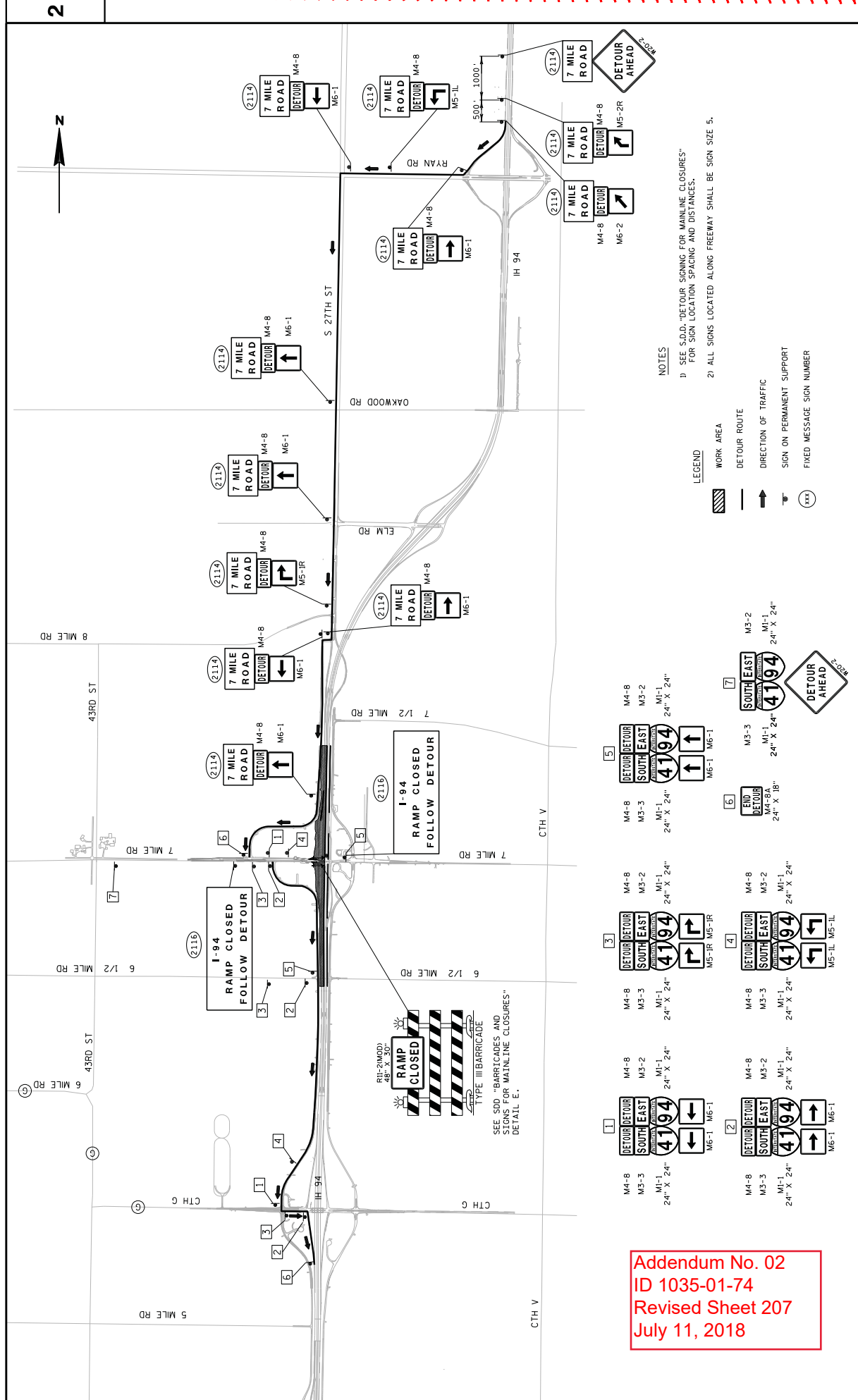
NOTES

- 1) SEE S.D.D. "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR SIGN LOCATION SPACING AND DISTANCES.
- 2) ALL SIGNS LOCATED ALONG FREEWAY SHALL BE SIGN SIZE 5.

LEGEND

- WORK AREA
- DETOUR ROUTE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT SUPPORT
- FIXED MESSAGE SIGN NUMBER





NOTES

1) SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR SIGN LOCATION SPACING AND DISTANCES.

2) ALL SIGNS LOCATED ALONG FREEWAY SHALL BE SIGN SIZE 5.

LEGEND

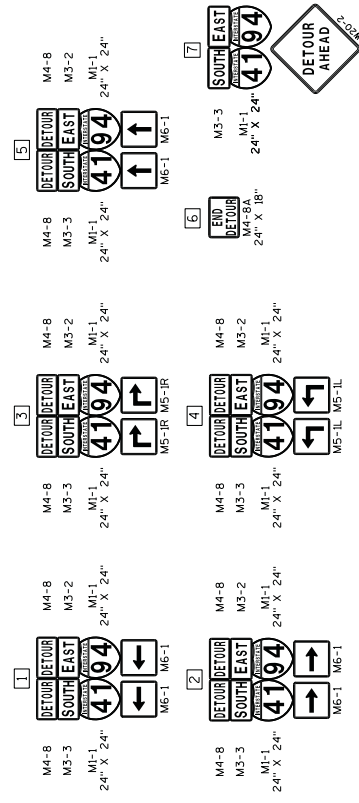
WORK AREA

DETOUR ROUTE

DIRECTION OF TRAFFIC

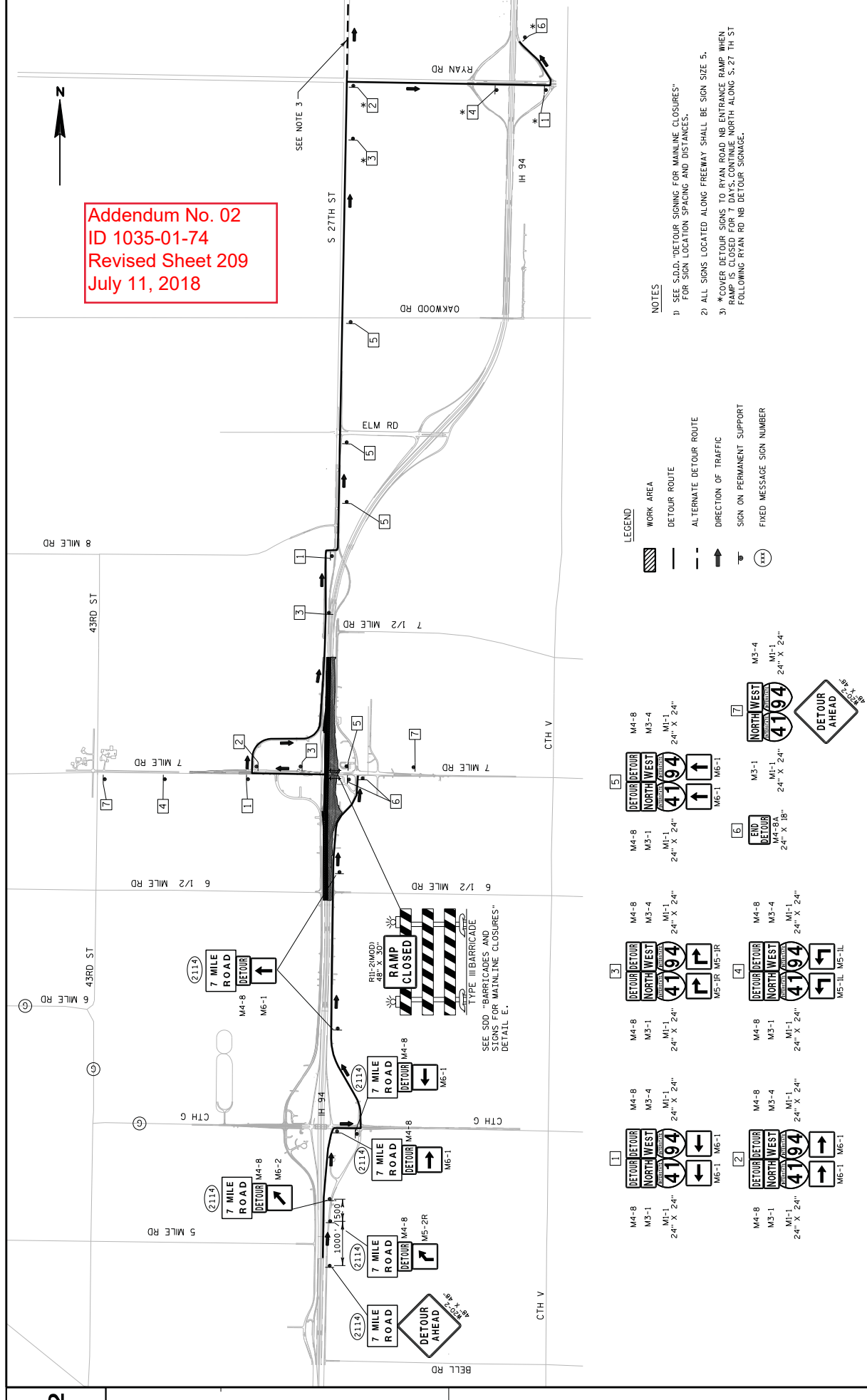
SIGN ON PERMANENT SUPPORT

FIXED MESSAGE SIGN NUMBER



Addendum No. 02
 ID 1035-01-74
 Revised Sheet 207
 July 11, 2018

Addendum No. 02
ID 1035-01-74
Revised Sheet 209
July 11, 2018

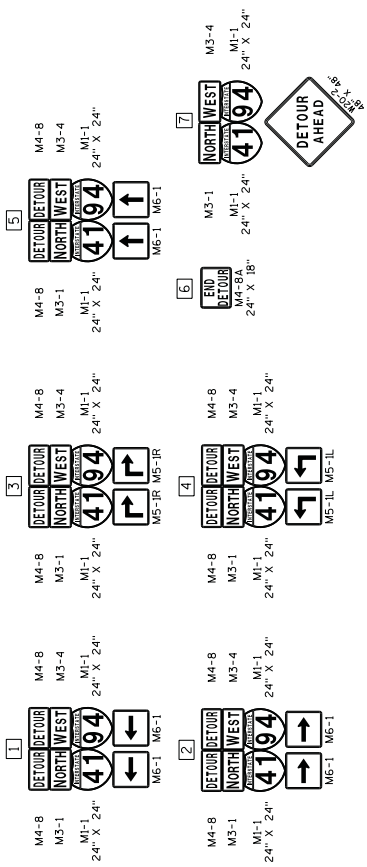


NOTES

- 1) SEE S.D.D. "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR SIGN LOCATION SPACING AND DISTANCES.
- 2) ALL SIGNS LOCATED ALONG FREEWAY SHALL BE SIGN SIZE 5.
- 3) *COVER DETOUR SIGNS TO RYAN ROAD NB ENTRANCE RAMP WHEN RAMP IS CLOSED FOR 7 DAYS. CONTINUE NORTH ALONG S. 27 TH ST FOLLOWING RYAN RD NB DETOUR SIGNAGE.

LEGEND

- WORK AREA
- DETOUR ROUTE
- ALTERNATE DETOUR ROUTE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT SUPPORT
- FIXED MESSAGE SIGN NUMBER



EARTHWORK SUMMARY

CATEGORY	DIVISION	FROM/TO STATION	ROADWAY	(1) 205.01000 EXCAVATION COMMON		(2) SPV.0035.0009 EBS BACKFILL		(3) SPV.0035.0006 ROADWAY EMBANKMENT		(4) MASS ORDNATE		CUMULATIVE WASTE	COMMENT
				CY	CY	CY	CY	CY	+-	CY			
1000	1	1213+00 - 1226+90	IH 94 NB WIDENING	444	469	469	469	1,657	-1,213	-1,213			
	1	1227+00 - 1240+95	IH 94 NB WIDENING	516	450	450	450	2,090	-1,574	-2,787			
	1	1242+90 - 1268+00	IH 94 NB WIDENING	1,603	0	0	0	1,890	-286	-3,074			
	1	12261SE+00 - 12291SE+00	TEMP EXIT SE RAMP	442	0	0	0	3	439	-2,634			
	1	12441NE+50 - 12521NE+00	TEMP ENTRANCE NE RAMP	1,199	0	0	0	12	1,187	-1,447			
		DIVISION 1 SUBTOTAL		4,204	918	918	918	5,652	-1,447				
	2	1213+00 - 1268+00	IH 94 SB SW RAMP	29,709	1,514	1,514	1,514	14,879	14,831	13,384			
	2	1242NW+25 - 1253NW+86	NW RAMP	1,311	915	915	915	6,860	-5,549	7,835			
		DIVISION 2 SUBTOTAL		37,014	2,429	2,429	2,429	23,649	13,365				
	3	1213+00 - 1268+00	IH 94 NB SE RAMP	33,129	0	0	0	8,414	24,715	36,633			
	3	1230SE+42 - 1241SE+35	SE RAMP	1,948	563	563	563	2,562	-614	36,020			
	3	1241NE+78 - 1252NE+98	NE RAMP	11,193	0	0	0	169	11,024	47,044			
		DIVISION 3 SUBTOTAL		46,270	563	563	563	11,145	35,126				
	4	1213+00 - 1217+84	H 94 SB WIDENING REMOVAL AND RESTORATION	14	0	0	0	22	-8	47,036			
	4	1232+00 - 1240+50	H 94 SB WIDENING REMOVAL AND RESTORATION	37	0	0	0	133	-96	46,940			
	4	1243+15 - 1253+75	H 94 SB WIDENING REMOVAL AND RESTORATION	83	0	0	0	235	-153	46,787			
	4	1264+45 - 1268+00	H 94 SB WIDENING REMOVAL AND RESTORATION	162	0	0	0	143	19	46,806			
		DIVISION 4 SUBTOTAL		296	0	0	0	534	-237				
		TOTALS		87,765	3,910	3,910	3,910	40,979	46,806				

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
 (1) EXCAVATION COMMON VOLUME INCLUDES CONCRETE AND ASPHALTIC SURFACE MATERIAL.
 (2) EBS EXCAVATION TO BE BACKFILLED WITH EBS BACKFILL. **ALL EBS MATERIAL IS ASSUMED TO BE WASHED OFF SHEET.**
 (3) ROADWAY EMBANKMENT = UNEXPANDED FILL
 (4) THE MASS ORDNATE + OR - QUANTITY IS CALCULATED BY DIVISION. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION AND A NEGATIVE NUMBER INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION. MASS ORDNATE = EXCAVATION COMMON (1) - ROADWAY EMBANKMENT (4). THE MASS ORDNATE IS FOR INFORMATIONAL PURPOSES ONLY AS COMMON EXCAVATION AND ROADWAY EMBANKMENT ARE NOT BALANCED FOR QUANTITY PURPOSES AND DOES NOT GUARANTEE THE QUALITY OF COMMON EXCAVATION, AND IT CAN BE REUSED ON SITE.

Addendum No. 02
 ID 1035-01-74
 Revised Sheet 231
 July 11, 2018

TRAFFIC CONTROL COVERING SIGN ITEMS

CATEGORY	STAGE	643.0910 COVERING SIGNS TYPE I		643.0920 COVERING SIGNS TYPE II	
		# SIGNS	# CYCLES	# SIGNS	# CYCLES
1000	1A	--	--	--	--
	1B	3	1	3	--
	1C	--	--	--	--
	2	2	1	2	--
	3	--	--	--	--
	4	3	1	3	--
	5	--	--	--	--
UNDISTRIBUTED		2	1	2	10
TOTALS			10		10

TRAFFIC CONTROL DETOUR ITEMS

CATEGORY	STAGE	643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL LIGHTS TYPE A		643.0900 TRAFFIC CONTROL SIGNS	
		DURATION DAYS	EACH	DAYS	EACH	DAYS	EACH
1000	STAGE 1B	30	4	120	4	240	4
	STAGE 2	224	4	896	4	1,792	4
	STAGE 4	133	4	532	4	1,064	4
UNDISTRIBUTED			252		504		700
TOTALS			1,800		3,600		49,000

TRAFFIC CONTROL

CATEGORY	PROJECT	EACH
1000	1035-01-74	0.14
TOTAL		0.14

Addendum No. 02
ID 1035-01-74
Revised Sheet 252
July 11, 2018

3

3

* FOR INFORMATION ONLY

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PAVEMENT MARKING ITEMS

CATEGORY	ROADWAY	STATION	646.1545 MARKING LINE GROOVED WET REF		646.1545 MARKING LINE GROOVED CONTRAST EPOXY		646.1545 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH		646.1545 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH		646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH		646.3555 MARKING LINE GROOVED CONTRAST EPOXY SPECIAL MARKING		646.3555 MARKING LINE GROOVED CONTRAST EPOXY STOP LINE		646.3555 MARKING LINE GROOVED CONTRAST EPOXY YIELD LINE		646.3555 MARKING LINE GROOVED CONTRAST EPOXY CHEVRON			
			WHITE	YELLOW	WHITE	4-INCH	WHITE	LF	WHITE	LF	WHITE	LF	WHITE	LF	WHITE	LF	WHITE	18-INCH	EPoxy	18-INCH	EPoxy	24-INCH
1000	H 94 SB	1213+00 - 1288+00	5	8	5,500	4,400	4,125	--	1,087	--	--	--	--	--	--	--	--	--	--	--	--	--
	H 94 NB	1213+00 - 1288+00	3	10	5,500	4,340	4,125	--	1,082	--	--	--	--	--	--	--	--	--	--	--	--	--
	RAMP SE	1227+13 - 1241+43	17	22	995	1,485	--	--	527	--	1	1	1	1	2	--	--	--	--	--	--	200
	RAMP SW	1226+02 - 1241+51	5	5	875	1,540	--	--	645	--	--	--	--	2	--	--	--	--	--	--	--	--
	RAMP NE	1241+78 - 1259+12	6	6	991	1,655	--	--	667	--	--	--	--	2	--	--	--	--	--	--	--	177
	RAMP NW	1241+74 - 1256+74	12	14	1,100	1,595	--	--	930	--	2	2	1	--	2	18	15	--	--	--	--	--
UNDISTRIBUTED			7	5	29	35	50	20	62	16	--	--	--	--	--	2	--	--	2	--	--	23
TOTALS			55	70	14,990	15,050	8,300	320	5,010	650	3	3	2	4	4	20	15	--	--	--	--	400

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 1035-01-74	HWY: IH 94/7 MILE ROAD	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET NO: 252
FILE NAME : F:\BIM-1834B 7M Road\10350174_MRoad\scf6\7m0302001.mqj.ppt		PLOT DATE : 7/10/2018 1:36PM		PLOT NAME : 7m030201.mqj25
		PLOT BY : ssook		PLOT SCALE : 1.000000:1.000000
				WISDOT/CADDS SHEET 42

RECONNECT STORM SEWER

CATEGORY	STAGE	ROADWAY	FROM STR	TO STR	STATION	OFFSET	SPV.0060.0016 EACH
1000	2	IH 94 NE	177A	EX. MH	1260+08	121.9 LT	1
4		NE RAMP	168.1	EX. MH	1254+19 NE	28.5 RT	1
TOTAL							2

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

EXPOSING EXISTING INFRASTRUCTURE

CATEGORY	ROADWAY	UNPAVED AREA EACH	PAVED AREA EACH
1000	PROJECT	3	3
TOTAL		3	3

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ID 1035-01-74
Revised Sheet 254
July 11, 2018

TRAFFIC CONTROL DETOUR ITEMS

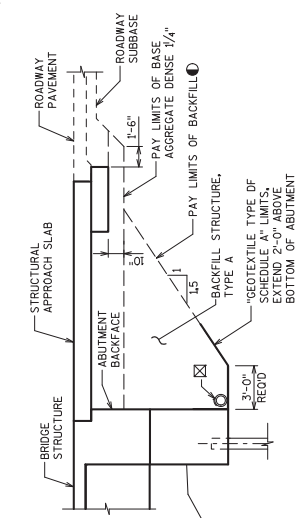
CATEGORY	STAGE	LOCATION	FMS SIGN NO.	TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	COMMENT
1000	STAGE 1B	H 94, S OF CTH G	2114	5.00	7 MILE RD
		H 94, S OF CTH G	2114	5.00	7 MILE RD
		H 94, S OF CTH G	2114	5.00	7 MILE RD
		H 94, S OF CTH G	2114	5.00	7 MILE RD
		CTH G AT E FRONTAGE RD	2114	5.00	7 MILE RD
		E FRONTAGE RD, N OF CTH G	2114	5.00	7 MILE RD
		6 1/2 MILE RD	2114	5.00	7 MILE RD
		S 13TH ST	2114	6.00	7 MILE RD
		S 13TH ST	2114	7.00	7 MILE RD
1000	STAGE 2	1263+34	2111	7.50	CLOSED
		1263+34	2104	12.75	USE HWY G
		7 1/2 MILE RD	2115	45.00	7 MILE RD RAMP CLOSED USE HWY G
		7 1/2 MILE RD	2111	7.50	CLOSED
		PUETZ RD	2117	45.00	7 MILE RD RAMP CLOSED USE HWY G
		PUETZ RD	2117	7.50	CLOSED
		7 MILE RD, W OF IH 94	2116	49.50	IH 94 RAMP CLOSED FOLLOW DETOUR
		7 MILE RD, E OF IH 94	2116	49.50	IH 94 RAMP CLOSED FOLLOW DETOUR
		W FRONTAGE RD, N OF 7 MILE RD	2114	5.00	7 MILE RD
		27TH ST	2114	5.00	7 MILE RD
		27TH ST	2114	5.00	7 MILE RD
		27TH ST	2114	5.00	7 MILE RD
		27TH ST	2114	5.00	7 MILE RD
		RYAN RD	2114	5.00	7 MILE RD
		RYAN RD	2114	5.00	7 MILE RD
		RYAN RD	2114	5.00	7 MILE RD
		IH 94, N OF RYAN RD	2114	5.00	7 MILE RD
		IH 94, N OF RYAN RD	2114	5.00	7 MILE RD
		IH 94, N OF RYAN RD	2114	5.00	7 MILE RD
1,000	STAGE 4	2 MILE RD	2111	7.50	CLOSED
		4 MILE RD	2115	49.50	7 MILE RD RAMP CLOSED USE HWY G
		BELL RD	2111	7.50	CLOSED
		CTH G	2111	7.50	CLOSED
		6 1/2 MILE RD	2117	45.00	7 MILE RD RAMP CLOSED USE RYAN RD
		H 94, S OF CTH G	2114	5.00	7 MILE RD
		H 94, S OF CTH G	2114	5.00	7 MILE RD
		H 94, S OF CTH G	2114	5.00	7 MILE RD
		H 94, S OF CTH G	2114	5.00	7 MILE RD
		CTH G AT E FRONTAGE RD	2114	5.00	7 MILE RD
		E FRONTAGE RD, N OF CTH G	2114	5.00	7 MILE RD
		6 1/2 MILE RD	2114	5.00	7 MILE RD
TOTALS					484.25

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TOTAL ESTIMATED QUANTITIES

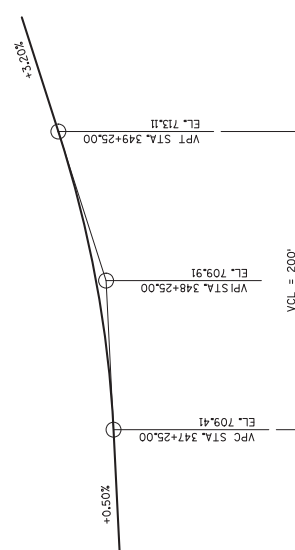
BID ITEM NO.	BID ITEMS	UNIT	SOUTH APPROACH SLAB	SOUTH ABUTMENT	PIER	NORTH ABUTMENT	NORTH APPROACH SLAB	SUPER-STRUCTURE	TOTAL
203.0200.0001	REMOVING OLD STRUCTURE STATION 124+81.17	LS	-	-	-	-	-	-	1
203.0200.5.0008	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-51-32	LS	-	-	-	-	-	-	1
206.0000.4139	EXCAVATION FOR STRUCTURES BRIDGES B-51-139	LS	-	-	-	-	-	-	1
202.0500	BACKFILL STRUCTURE TYPE A	TON	-	253	201	263	-	-	717
305.0225	BASE AGGREGATE DENSE 1 1/4-INCH	CY	119	-	-	-	119	-	238
416.0620	DRILLED DOWEL BARS	EACH	-	-	36	-	-	-	36
501.0000.S	ICE HOT WEATHER CONCRETING	LB	754	480	119	480	755	3308	6,895
502.0000	CONCRETE MASONRY BRIDGES	CY	21	64	62	64	21	-	332
502.3200	PROTECTIVE SURFACE TREATMENT	SY	160	-	-	-	160	1595	1,915
502.3200	PIGMENTED SURFACE SEALER	SY	20	-	-	-	20	191	231
503.0046	PRESTRESSED GIRDER TYPE 148W-INCH	LF	-	-	-	-	-	1,542	1,542
505.0000	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	2,350	-	-	-	-	2,350
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	15,720	6,650	23,530	6,650	15,720	-	57,270
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	12,900	-	-	-	1,290	-	14,190
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	8	16	8	-	-	32
506.0000.0001	STEEL DIAPHRAGMS STRUCTURE B-51-139	EACH	-	-	-	-	-	-	28
512.0000.4040	TEMPORARY SHORING B-51-139	SF	134	500	410	1,071	135	-	2,250
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	14	-	14	-	-	28
517.0000.S.4001	CONCRETE STAINING STRUCTURE B-51-139	SF	150	67	2,272	70	150	2,492	5,201
517.0000.S.4001	ARCHITECTURAL SURFACE TREATMENT STRUCTURE B-51-139	SF	-	16	-	16	-	-	32
550.0226	PILING, CIP CONCRETE 12"x 24" 0.375-INCH	LF	-	1,260	4,180	1,190	-	-	6,630
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	100	-	100	-	-	200
645.0011	GEOTEXTILE TYPE DF SCHEDULE A	SY	-	75	-	75	-	-	150
SPV,0035,4000	HPC MASONRY STRUCTURES	CY	80	-	-	-	80	-	600
SPV,0065,4001	LONGITUDINAL GROOVING BRIDGE DECK	SF	1,440	-	-	-	1,440	14,004	16,884
SPV,0165,4040	PARTIAL DEPTH PRECAST PRESTRESSED CONCRETE DECK PANELS B-51-139	SF	-	-	-	-	-	-	10,391
SPV,0180,4800	SLOPE PAVING CRUSHED AGGREGATE SPECIAL	SY	-	496	-	501	-	-	997
ALL ITEMS ARE CATEGORY 2160.									
NON-BID ITEMS									
*	PREFORMED JOINT FILLER	SIZE	-	-	-	-	-	-	1/2" x 3/4"
*	NAME PLATE								
*	PRECAST PIER COLUMNS								
*	PRECAST PIER CAPS								
*	GROUTED BAR COUPLERS								
*	PRECAST BEARING BLOCKS								

* PRECAST PIER NON-BID ITEMS (PRECAST PIER COLUMNS, PRECAST PIER CAPS, PRECAST BEARING BLOCKS, AND GROUTED BAR COUPLERS) SHALL BE SUBMITTED TO THE CONTRACTOR FOR REVIEW AND APPROVAL BY THE ENGINEER. PRECAST PIER COLUMNS, PRECAST PIER CAPS, OR BOTH, THE NON-BID ITEM SPECIAL PROVISIONS WITHIN THE CONTRACT SHALL GOVERN THE WORK, PAYMENT FOR THE PRECAST PIER SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES" FOR CAST-IN-PLACE PIER.

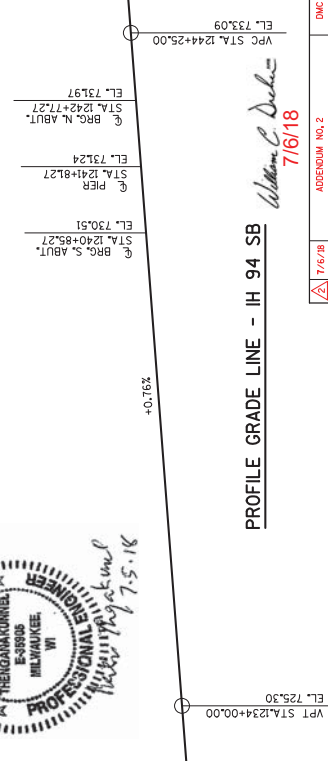


STRUCTURAL BACKFILL LIMITS

PROFILE GRADE LINE - SEVEN MILE ROAD EB & WB



PROFILE GRADE LINE - IH 94 SB



LEGEND

- BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE SUBMITTED TO EXCAVATION FOR STRUCTURE SHIELDS. EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- ☒ PIPE UNDERDRAIN WRAPPED 16-INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE, ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

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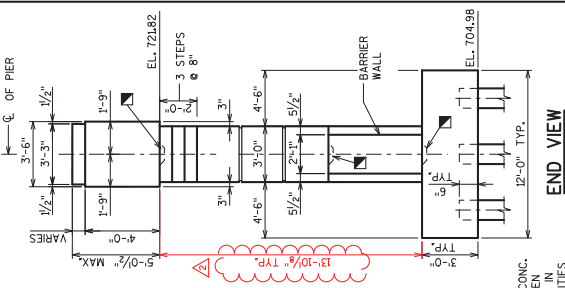
GENERAL NOTES

- DRAWINGS SHALL NOT BE SCALED.
- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED WITH 2 1/2" OF CLEAR COVER.
- ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS NOTED OTHERWISE. BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS NOTED OTHERWISE.
- ALL STATIONS AND ELEVATIONS ARE IN FEET, ELEVATIONS ARE REFERENCED TO THE NVD DATUM.
- THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON THIS SHEET.
- ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
- AT ABUTMENTS ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL, THE EXISTING GROUND LINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.
- ALL REINFORCING BARS ARE ENGLISH AND THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE, ALL DIMENSIONS IN THE BAR BENDS ARE OUT TO OUT.
- THE MINIMUM CONCRETE HAUNCH SHALL BE 2" FOR DESIGN CALCULATIONS AND THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH DEPTH OF 2 1/2", WHICH IS THE MAXIMUM HAUNCH QUANTITY FOR WHICH THE CONTRACTOR WILL BE PAID.
- PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK & APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGM, PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.
- SEAL ALL EXPOSED HORIZONTAL AND VERTICAL PREFORMED JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER, 1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.
- EXISTING STRUCTURE B-51-32 IS A 3-SPAN CONTINUOUS HAUNCH SLAB BRIDGE, WITH AN OVERALL LENGTH OF 100'-6", AND AN OVERALL WIDTH OF 60'-11", AND SHALL COMPLETELY BE REMOVED.
- FOR STRUCTURE B-51-140, SEE SEPARATE SET OF PLANS.

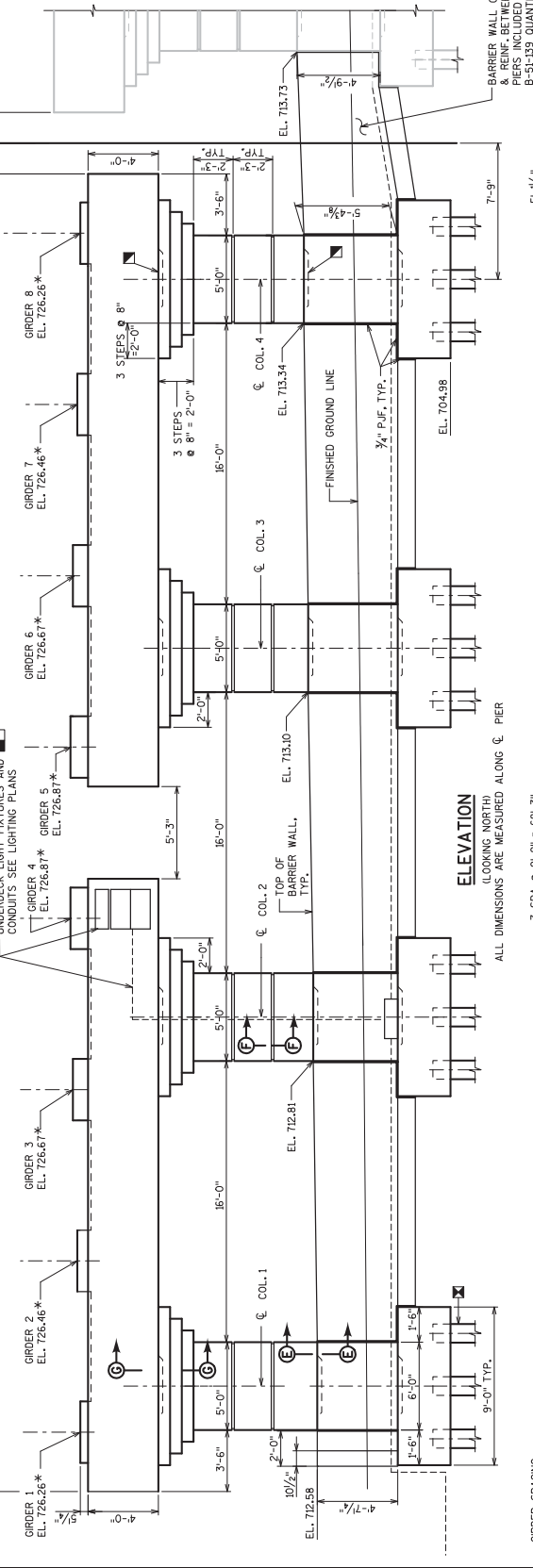
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ID 1035-01-74
Revised Sheet 469
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1035-01-74



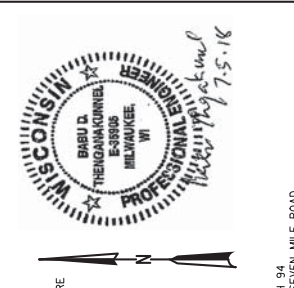
ELEVATION
(LOOKING NORTH)
ALL DIMENSIONS ARE MEASURED ALONG \ominus PIER



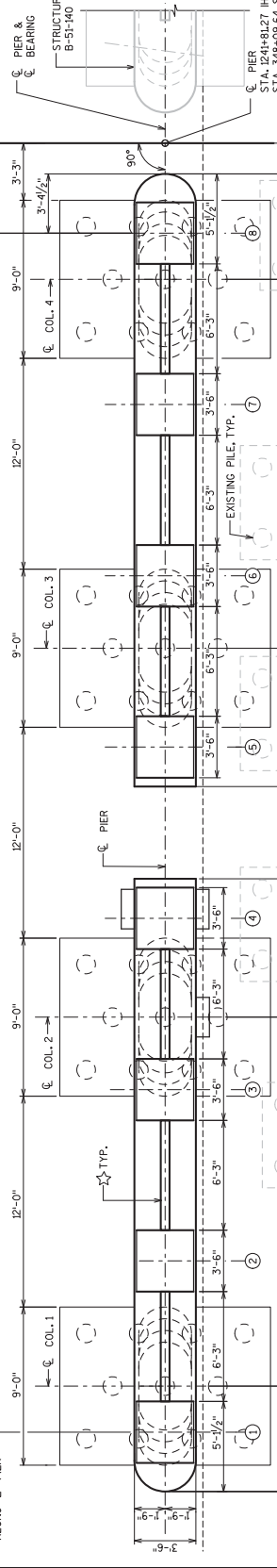
PLAN
GIRDER SPACING ALONG \ominus PIER



SECTION E-E
SECTION F-F



END VIEW



REINFORCEMENT DETAILS

DATE: 7/5/2018 10:51:19M FILE NAME: F:\BIM-3436 - 10 Road\1035\01-74\1035-01-74\1035-01-74_Pier Geometry.dgn
DRAWN BY: DANIELA
CHECKED BY: DANIELA
DATE: 7/5/18
PROJECT: 1035-01-74

NO.	DATE	REVISION	BY
1	7/6/18	ADDENDUM NO. 2	DMC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-51-139
DRAWN BY: DMC
CHECKED BY: DMC

PIER GEOMETRY
SHEET II OF 29
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FOR REINFORCEMENT DETAILS, FOOTING PLAN, BILL OF MATERIALS AND BENDING DIAGRAMS SEE SHEETS 12-14.

* ELEVATIONS ARE GIVEN AT THE TOP OF CONCRETE AT THE INTERSECTION OF THE \ominus GIRDER AND \ominus PIER.

FOR CONCRETE STAINING DETAILS, SEE SHEET "AESTHETIC DETAILS".

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE PIER INSTEAD OF THE CAST-IN-PLACE PIER WITH THE STRUCTURE DESIGN SECTION. THE PRECAST CONCRETE PIER SHALL CONFORM TO PRECAST DETAILS IN CHAPTER 7 STANDARDS OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL AND SPECIAL PROVISIONS RELATED TO PRECAST ELEMENTS WITH THE EXCEPTION OF METHOD OF PAYMENT. PAYMENT SHALL BE FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES" FOR THE CAST-IN-PLACE PIER.

P.F. - PREFORMED JOINT FILLER

NOTES
FOR REINFORCEMENT DETAILS, FOOTING PLAN, BILL OF MATERIALS AND BENDING DIAGRAMS SEE SHEETS 12-14.

* ELEVATIONS ARE GIVEN AT THE TOP OF CONCRETE AT THE INTERSECTION OF THE \ominus GIRDER AND \ominus PIER.

FOR CONCRETE STAINING DETAILS, SEE SHEET "AESTHETIC DETAILS".

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE PIER INSTEAD OF THE CAST-IN-PLACE PIER WITH THE STRUCTURE DESIGN SECTION. THE PRECAST CONCRETE PIER SHALL CONFORM TO PRECAST DETAILS IN CHAPTER 7 STANDARDS OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL AND SPECIAL PROVISIONS RELATED TO PRECAST ELEMENTS WITH THE EXCEPTION OF METHOD OF PAYMENT. PAYMENT SHALL BE FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES" FOR THE CAST-IN-PLACE PIER.

P.F. - PREFORMED JOINT FILLER

LEGEND

- ALL UNDERDECK ITEMS PAID UNDER ROADWAY BID ITEMS.
- 3'-6" x 1'-2" x 3" CONSTR. JOINT FORMED BY BEVELED KEYWAY, TYP. TOP AND BOTTOM OF ALL COLUMNS
- 2" x 6" BEVELED KEYED CONSTRUCTION JOINT BETWEEN GIRDERS
- 12 3/4" C.I.P. PIPE PILES SEE SHEET 6 FOR PILE SPLICE DETAILS.
- GIRDER NUMBER
- P.F. - PREFORMED JOINT FILLER

PLAN
GIRDER WALL NOT SHOWN FOR CLARITY

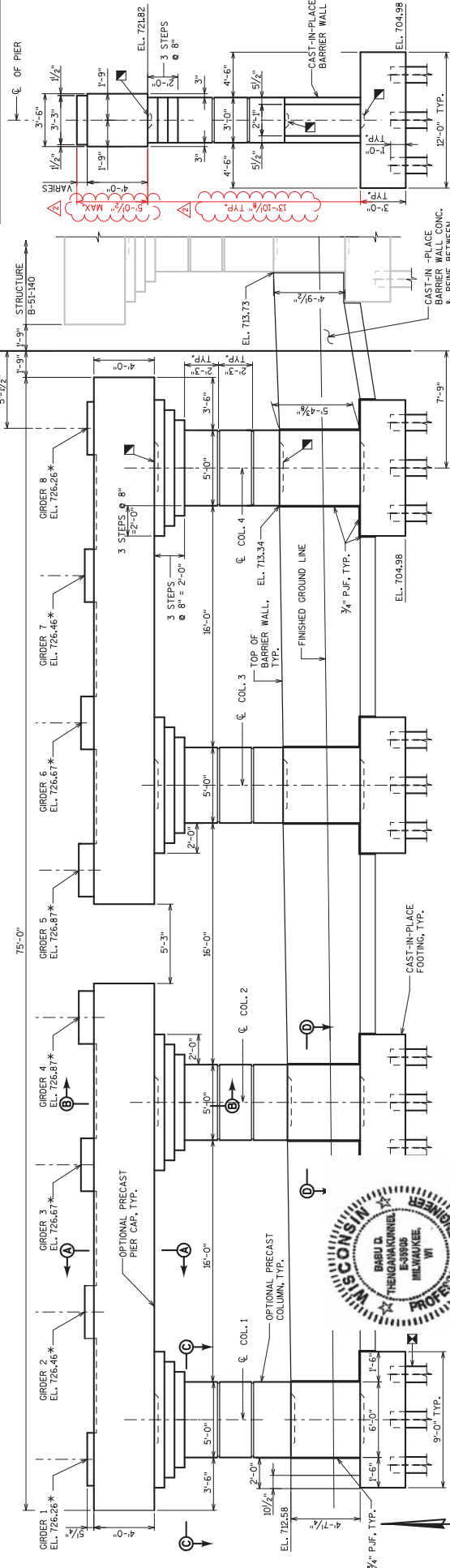
SECTION G-G

SECTION E-E

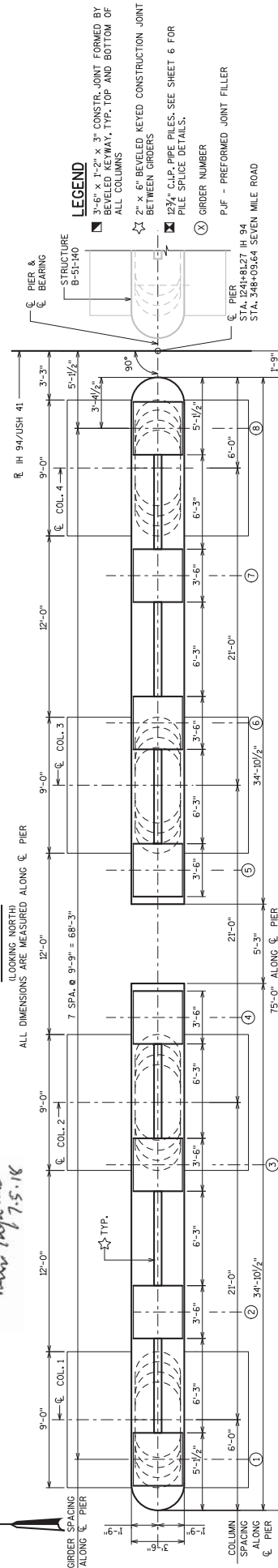
SECTION F-F

SECTION G-G

STATE PROJECT NUMBER
1035-01-74



END VIEW



PLAN

NOTES

- THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE PIER (PRECAST COLUMN, PRECAST PIER CAP AND PRECAST BEARING BLOCKS) IN LIEU OF THE CAST-IN-PLACE PIER WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE PIER SHALL CONFORM TO PRECAST DETAILS IN CHAPTER 7 STANDARDS OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL AND SPECIAL PROVISIONS RELATED TO PRECAST ELEMENTS WITH THE EXCEPTION OF THE QUANTITIES OF MATERIALS AND WORKMANSHIP. THE PRECAST PIER SHALL BE BASED ON THE QUANTITIES AND WORKMANSHIP FOR THE PRECAST PIER CAP, COLUMN AND BEARING BLOCKS.
- PROVIDE A SUITABLE LIFTING DEVICE FOR THE PRECAST CAP, COLUMN AND BEARING BLOCK UNITS.
- MANUFACTURER TO DETERMINE THE PRECAST COLUMN LENGTHS ASSUMING 1/2" STEEL SHIMS AT THE BOTTOM OF THE COLUMN.

BARREIR WALL NOT SHOWN FOR CLARITY)

GROUTED COUPLER SLEEVE MAY BE OVERSIZED TO ALLOW FOR ADDITIONAL LATERAL CLEARANCE IN THE FIELD. STANDARD WISCONSIN PRACTICE IS TO OVERSIZE COUPLER SLEEVE TO ALLOW FOR 1/2" CLEARANCE AT EACH END. STRIPUPS AS NECESSARY TO ACCOUNT FOR LARGER DIAMETER COUPLER SLEEVE.

ALL PRECAST ELEMENTS AND DIAPHRAGM ITEMS PAID PER C.I.P. BID ITEMS. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR THE PRECAST PIER OPTION.

THE CONTRACTOR MAY USE PRECAST SEGMENTS AT THEIR DISCRETION (E.G. PRECAST CAP ONLY) WITH APPROVAL BY THE BUREAU OF STRUCTURES.

ALLOWABLE PRECAST ELEMENTS INCLUDE PIER COLUMNS, PIER CAP, AND BEARING BLOCKS.

*ELEVATIONS ARE GIVEN AT THE TOP OF CONCRETE AT THE INTERSECTION OF \bar{C} GIRDER AND \bar{C} PIER.

REFER TO SHEET "PIER REINFORCING DETAILS (2 OF 2)" FOR SECTION A-A, B-B, C-C AND SECTION D-D DETAILS.

REFER TO SHEET "PIER BARRIER WALL DETAILS" FOR BARRIER WALL DETAILS.

REFER TO SHEETS 11 THRU 14 FOR DETAILS OF CAST IN PLACE ELEMENTS.

FOR REINFORCEMENT DETAILS, FOOTING PLAN, BILL OF BARS AND BENDING DIAGRAMS SEE SHEETS 12-14.

FOR CONCRETE STANNING DETAILS, SEE SHEET 26.

NO.	DATE	REVISION	BY
1	7/6/18	ADDENDUM NO. 2	DMC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

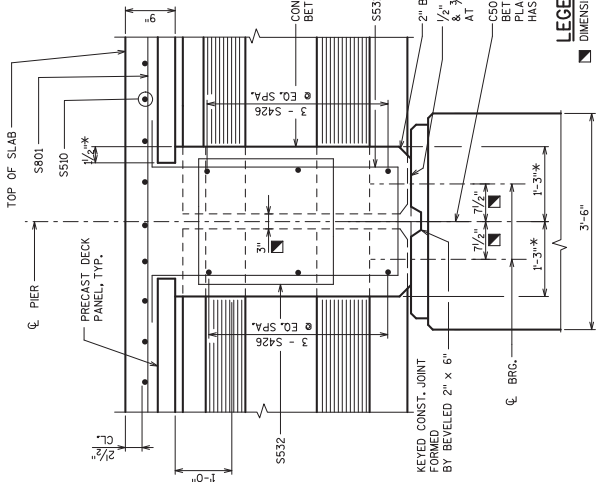
STRUCTURE B-51-139

DRAWN BY: HG
CHECKED BY: DMC

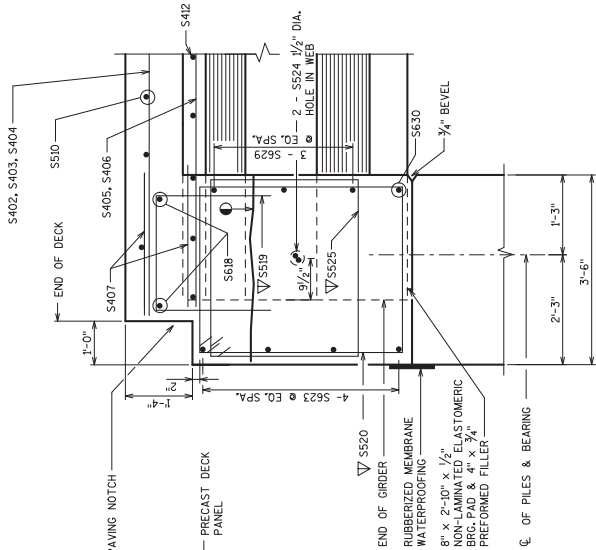
PRECAST PIER (OPTIONAL)

SHEET 15 OF 29
481

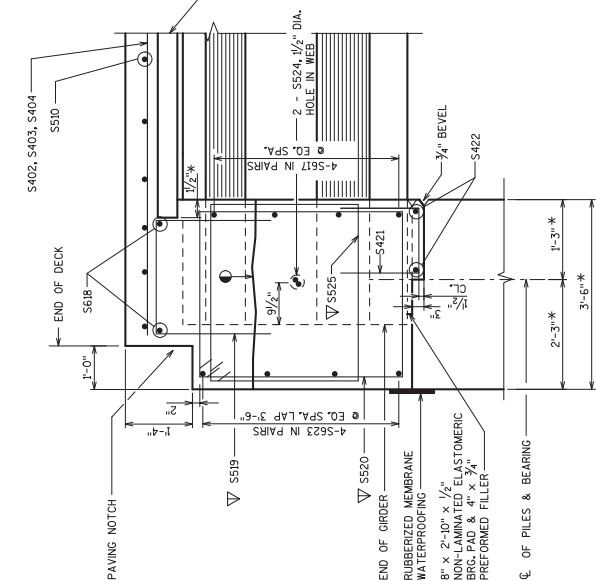
Addendum No. 02
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DIAPHRAGM AT PIER

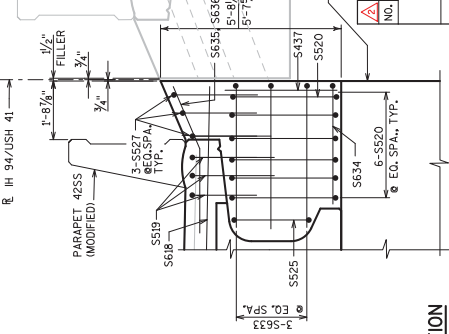


DIAPHRAGM AT ABUTMENT (UNDER PARAPET)

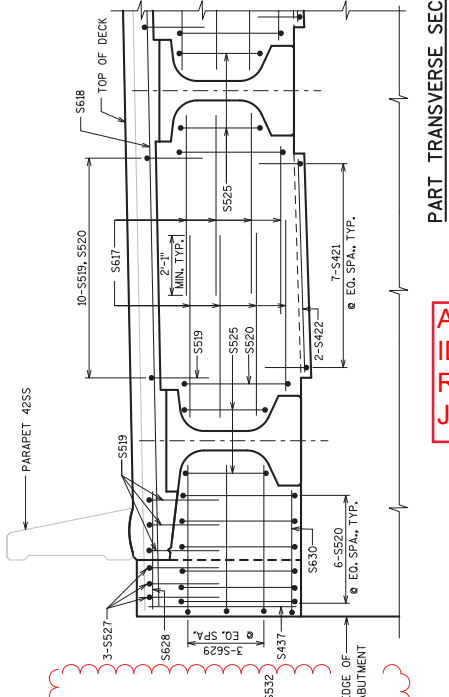


DIAPHRAGM AT ABUTMENT (BETWEEN GIRDERS)

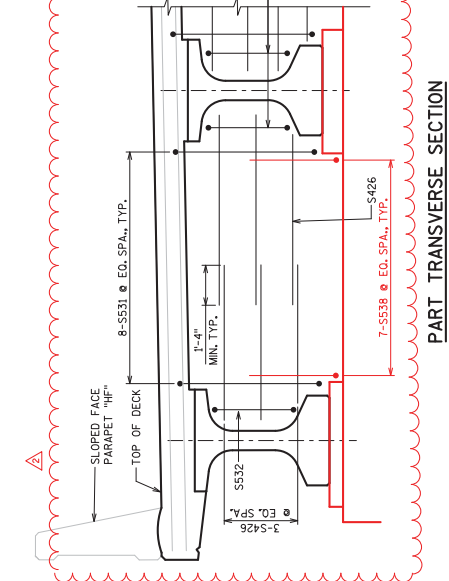
- LEGEND**
- ▣ DIMENSION IS TAKEN PARALLEL TO ϕ OF GIRDER.
 - * DIMENSION IS TAKEN NORMAL TO ϕ SUBSTRUCTURE UNITS.
 - OPTIONAL CONCT. JT. 1'-2" BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF DIAPHRAGM POUR.
 - ▽ BARS PLACED PARALLEL TO GIRDERS, SPACING PERPENDICULAR TO ϕ GIRDERS.



PART TRANSVERSE SECTION AT ABUTMENT DIAPHRAGM



PART TRANSVERSE SECTION AT PIER DIAPHRAGM



PART TRANSVERSE SECTION AT PIER DIAPHRAGM

NO.	DATE	REVISION	BY
1	7/6/18	ADDENDUM NO. 2	DMC

W. C. D. 7/6/18

STRUCTURE B-51-139	
DRAWN BY	HC
CHECKED BY	DMC

SUPERSTRUCTURE DETAILS	
SHEET 21 OF 29	

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Revised Sheet 487
July 11, 2018

TOP OF DECK ELEVATIONS - SPAN 1

POINT	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	PIER	
WEDGE	730.27	730.34	730.41	730.49	730.56	730.63	730.71	730.78	730.85	730.92	731.00
G1	730.31	730.38	730.45	730.52	730.60	730.67	730.74	730.82	730.89	730.96	731.04
G2	730.50	730.57	730.65	730.72	730.79	730.87	730.94	731.01	731.08	731.16	731.23
G3	730.70	730.77	730.84	730.91	730.99	731.06	731.13	731.21	731.28	731.35	731.43
G4	730.89	730.96	731.04	731.11	731.18	731.26	731.33	731.40	731.47	731.55	731.62
CROWN	730.99	731.06	731.13	731.21	731.28	731.35	731.43	731.50	731.57	731.64	731.72
G5	730.89	730.96	731.04	731.11	731.18	731.26	731.33	731.40	731.47	731.55	731.62
G6	730.70	730.77	730.84	730.91	730.99	731.06	731.13	731.21	731.28	731.35	731.43
PGL	730.51	730.58	730.65	730.73	730.80	730.87	730.95	731.02	731.09	731.16	731.24
G7	730.50	730.57	730.65	730.72	730.79	730.87	730.94	731.01	731.08	731.16	731.23
G8	730.31	730.38	730.45	730.52	730.60	730.67	730.74	730.82	730.89	730.96	731.04
E.EDGE	730.27	730.34	730.41	730.49	730.56	730.63	730.71	730.78	730.85	730.92	731.00

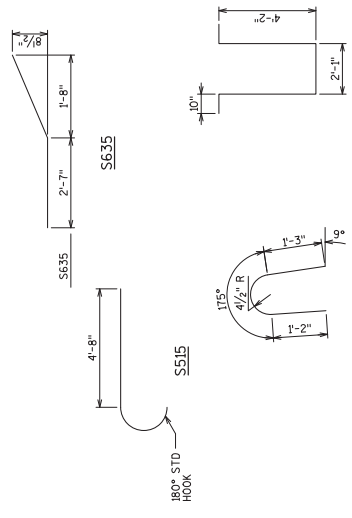
TOP OF DECK ELEVATIONS - SPAN 2

POINT	PIER	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	PIER
WEDGE	731.00	731.07	731.14	731.22	731.29	731.36	731.44	731.51	731.58	731.65	731.73
G1	731.04	731.11	731.18	731.25	731.33	731.40	731.47	731.55	731.62	731.69	731.76
G2	731.23	731.30	731.38	731.45	731.52	731.59	731.67	731.74	731.81	731.89	731.96
G3	731.43	731.50	731.57	731.64	731.72	731.79	731.86	731.94	732.01	732.08	732.15
G4	731.62	731.69	731.77	731.84	731.91	731.98	732.06	732.13	732.20	732.28	732.35
CROWN	731.72	731.79	731.86	731.94	732.01	732.08	732.16	732.23	732.30	732.37	732.45
G5	731.62	731.69	731.77	731.84	731.91	731.98	732.06	732.13	732.20	732.28	732.35
G6	731.43	731.50	731.57	731.64	731.72	731.79	731.86	731.94	732.01	732.08	732.15
PGL	731.24	731.31	731.38	731.46	731.52	731.59	731.66	731.75	731.82	731.89	731.97
G7	731.23	731.30	731.38	731.45	731.52	731.59	731.67	731.74	731.81	731.89	731.96
G8	731.04	731.11	731.18	731.25	731.33	731.40	731.47	731.55	731.62	731.69	731.76
E.EDGE	731.00	731.07	731.14	731.22	731.29	731.36	731.44	731.51	731.58	731.65	731.73

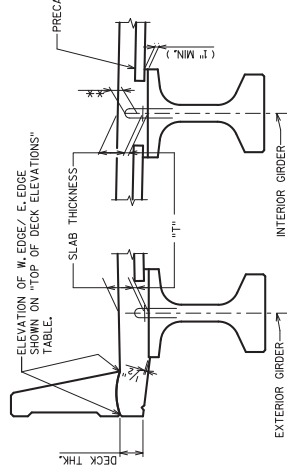
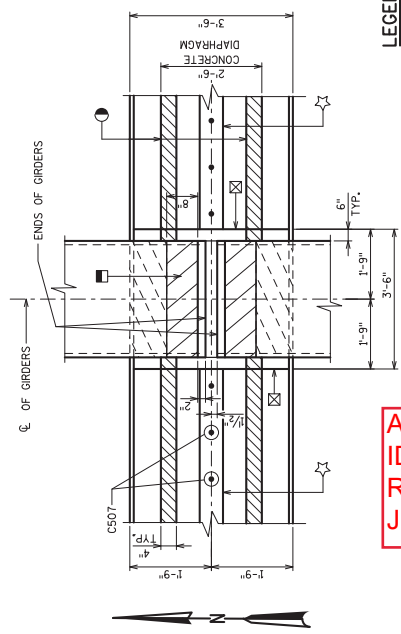
BAR MARK	A	B
S519	2'-2"	2'-0"
S421	1"	1'-3"
S527	3'-1"	3'-0"
S629	3'-1"	3'-10"
S630	3'-1"	3'-0"
S633	3'-1"	4'-2"
S634	3'-1"	4'-2"
S516	2'-1"	2'-1"
S520	3'-1"	3'-1"
S525	3'-1"	2'-2"
S532	2'-1"	2'-2"

BILL OF BARS

BAR MARK	NO.	LENGTH	BAR SERIES	LOCATION
S801	X 211	65'-2"	-	SLAB LONGITUDINAL TOP OVER PIER
S402	X 212	45'-0"	-	SLAB LONGITUDINAL TOP
S403	X 106	23'-5"	-	SLAB LONGITUDINAL TOP SPAN 1
S404	X 106	32'-3"	-	SLAB LONGITUDINAL TOP SPAN 2
S405	X 40	45'-0"	-	SLAB LONGITUDINAL BOTTOM
S406	X 10	20'-10"	-	SLAB LONGITUDINAL BOTTOM ENDS
S407	X 16	2'-4"	-	SLAB LONGITUDINAL ENDS
S530	X 492	38'-7"	-	SLAB TRANSVERSE TOP
S413	X 520	5'-6"	-	SLAB TRANSVERSE BOTTOM
S414	X 726	4'-8"	-	SLAB BETWEEN DECK PANELS
S535	X 492	5'-3"	X	SLAB OVERHANG
S536	X 584	4'-5"	X	PARAPET VERTICAL
S617	X 112	5'-6"	X	DIAPHRAGM @ ABUTTS; HORIZ.
S618	X 8	40'-8"	X	SLAB TRANSVERSE @ ABUT/DIAPH
S519	X 152	5'-11"	X	DIAPHRAGM @ ABUTTS; VERTICAL, TOP
S520	X 164	13'-0"	X	DIAPHRAGM @ ABUTTS; STIRRUPS
S421	X 198	3'-3"	X	DIAPHRAGM @ ABUTTS; VERTICAL, BOTTOM
S422	X 28	6'-0"	X	DIAPHRAGM @ ABUTTS; HORIZ., BOTTOM
S623	X 16	4'-5"	X	DIAPHRAGM @ ABUTTS; HORIZ., B.F.
S524	X 32	6'-0"	X	DIAPHRAGM @ ABUTTS; GIRDER HOLES
S525	X 32	11'-2"	X	DIAPHRAGM @ ABUTTS; STIRRUPS
S426	X 84	5'-2"	X	DIAPHRAGM @ PIER HORIZ.
S527	X 12	10'-2"	X	DIAPHRAGM @ ABUTTS; VERTICAL, ENDS
S628	X 2	1'-1"	X	DIAPHRAGM TRANSVERSE TOP, ENDS @ WEST
S629	X 6	10'-5"	X	DIAPHRAGM @ ABUT END, HORIZ. U BAR, WEST
S630	X 2	8'-9"	X	DIAPHRAGM @ ABUT END, HORIZ. U BAR, WEST
S531	X 56	11'-7"	X	DIAPHRAGM @ PIER, VERT.
S532	X 14	9'-0"	X	DIAPHRAGM @ PIER, STIRRUPS, VERT.
S633	X 6	11'-1"	X	DIAPHRAGM @ ABUT END, HORIZ. U BAR, EAST
S634	X 2	9'-9"	X	DIAPHRAGM @ ABUT END, HORIZ. U BAR, EAST
S635	X 6	4'-5"	X	DIAPHRAGM @ ABUTTS; HORIZ.
S636	X 2	1'-5"	X	DIAPHRAGM @ ABUTTS; HORIZ.
S437	X 8	4'-5"	X	DIAPHRAGM @ ABUTTS; END, VERT.
S538	X 19	6'-3"	X	DIAPHRAGM @ PIER U BAR



BENDING DIAGRAMS



SLAB HAUNCH DETAIL

IF 1" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE SLAB THICKNESS SHOULD BE FOLLOW THE PLAN PROFILE BY MORE THAN 1/2" OR, IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN 1/2" OR, IF 2" MINIMUM DECK EMBEDMENT OF THE BAR CANNOT BE OBTAINED ABOVE THE TOP OF DECK PANELS.

TO DETERMINE 'T', ELEV. OF TOP OF GIBS, AT E. OF SUBSTRUCTURE UNITS & AT L/10 POINTS OF EACH SPAN SHALL BE TAKEN, THEN FOLLOW THIS PROCESS:

- TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIBS ELEVATION
- + DEAD LOAD DEFLECTION
- = SLAB THICKNESS (CAST IN PLACE DECK + PRECAST DECK PANELS)
- = HAUNCH HEIGHT 'T'

Addendum No. 02
 ID 1035-01-74
 Revised Sheet 488
 July 11, 2018

LEGEND

- 1/2" x 8" x 2'-6" NON-LAMINATED ELASTOMERIC BEARING PAD
- 3/4" PREFORMED FILLER
- 2" x 6" BEVELED KEYS CONSTRUCTION JOINT BETWEEN ORDERS
- BEAM SEAT EDGE



STATE PROJECT NUMBER
 1035-01-74

REVISION
 ADDENDUM NO. 2
 DATE 7/16/18
 BY Wm. C. DeLoe

DEPARTMENT OF TRANSPORTATION
 STRUCTURE B-51-139
 DRAWN BY HC
 PLANS DIV. DMC

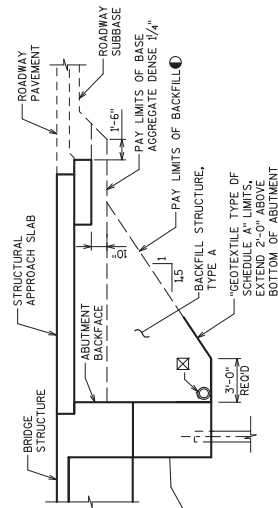
SUPERSTRUCTURE
 BILL OF BARS

SHEET 22 OF 29
 488

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	SOUTH APPROACH SLAB	SOUTH ABUTMENT	PIER	NORTH ABUTMENT	NORTH APPROACH SLAB	SUPER-STRUCTURE	TOTAL
203.0200.0002	REMOVING OLD STRUCTURE STATION 1241+81 RT	LS	-	-	-	-	-	-	1
206.1000.4140	EXCAVATION FOR STRUCTURES BRIDGES B-51-140	LS	-	-	-	-	-	-	1
210.1000	BACKFILL STRUCTURE TYPE A	TON	-	256	157	236	-	-	649
305.0125	BASE AGGREGATE DENSE 11 1/4-INCH	CY	119	-	-	-	119	-	238
416.0620	DRILLED DOWEL BARS	EACH	-	-	28	-	-	-	28
501.0000.5	ICE HOT WEATHER CONCRETING	LB	755	473	1098	473	755	3283	6,507
502.0100	CONCRETE MASONRY BRIDGES	CY	21	63	156	63	21	-	324
502.0200	PROTECTIVE SURFACE TREATMENT	SY	160	-	-	-	160	1595	1,915
502.3200	PIGMENTED SURFACE SEALER	SY	20	-	-	-	20	191	231
503.0146	PRESTRESSED ORDER TYPE 145W-INCH	LF	-	-	-	-	-	1,542	1,542
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	-	2,350	-	-	-	2,350
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	15,720	6,650	23,270	6,650	15,720	-	61,990
505.0800.5	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1290	-	-	-	1,290	-	2,580
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	8	16	8	-	-	32
506.4000.0002	STEEL DIAPHRAGMS STRUCTURE B-51-140	EACH	-	-	-	-	-	28	28
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	13	-	13	-	-	26
517.000.5.4002	CONCRETE STAINING STRUCTURE B-51-140	SF	150	76	2,256	79	150	2,464	5,175
517.0500.5.4002	ARCHITECTURAL SURFACE TREATMENT STRUCTURE B-51-140	SF	-	16	-	16	-	-	32
550.2126	PIILING OIP CONCRETE 12"x4" 0.375-INCH	LF	-	1,260	4,180	1,190	-	-	6,630
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	100	-	100	-	-	200
645.0311	GEOTEXTILE TYPE DF SCHEDULE A	SY	-	75	-	75	-	-	150
SPV.0035.4000	HPC MASONRY STRUCTURES	CY	80	-	-	-	80	440	600
SPV.0165.4001	LONGITUDINAL GROOVING BRIDGE DECK	SF	1,440	-	-	-	1,440	14,004	16,284
SPV.0165.4050	PARTIAL DEPTH PRECAST PRESTRESSED CONCRETE DECK PANELS B-51-140	SF	-	-	-	-	-	10,391	10,391
SPV.0180.4800	SLOPE PAVING CRUSHED AGGREGATE SPECIAL	SY	-	506	-	514	-	-	1,020
	NON-BID ITEMS	SIZE							1/2" & 3/4"
	PREFORMED JOINT FILLER								
	NAME PLATE								
	PRECAST PIER COLUMNS								
	PRECAST PIER CAPS								
	PRECAST BAR COUPLERS								
	PRECAST BEARING BLOCKS								

ALL ITEMS ARE CATEGORY 2110
 * PRECAST PIER NON-BID ITEMS (PRECAST PIER COLUMNS, PRECAST PIER CAPS, PRECAST BEARING BLOCKS AND GROUTED BAR COUPLERS) ARE FOR INFORMATION PURPOSES ONLY. IF THE CONTRACTOR ELECTS TO UTILIZE PRECAST PIER COLUMNS, PRECAST PIER CAPS, PRECAST BEARING BLOCKS AND GROUTED BAR COUPLERS, THE CONTRACT SHALL GOVERN THE WORK, PAYMENT FOR THE PRECAST PIER SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES" FOR CAST-IN-PLACE PIER.



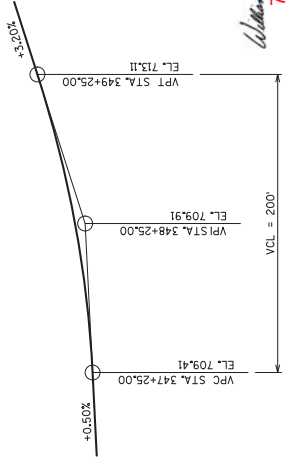
STRUCTURAL BACKFILL LIMITS

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
 BAR STEEL REINFORCEMENT SHALL BE ENFORCED 2% CLEAR UNLESS OTHERWISE SHOWN. NOTED: THE TOP REINFORCEMENT OF BAR STEEL REINFORCEMENT IN THE DECK SHALL BE PLACED WITH 2 1/2" OF CLEAR COVER.
 ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS NOTED OTHERWISE.
 BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS NOTED OTHERWISE.
 ALL STATIONS AND ELEVATIONS ARE IN FEET, ELEVATIONS ARE REFERENCED TO THE NGVD DATUM.
 THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON THIS SHEET.
 ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE JOINT EDGES ARE SMOOTH AND TRUE.
 AT ABUTMENTS ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.
 THE EXISTING GROUND LINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.
 ALL REINFORCING BARS ARE ENGLISH AND THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE.
 THE MINIMUM CONCRETE HAUNCH SHALL BE 2" FOR DESIGN CALCULATIONS AND THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH DEPTH OF 2 1/2" WHICH IS THE MAXIMUM HAUNCH QUANTITY FOR WHICH THE CONTRACTOR WILL BE PAID.
 PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK & APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGM.
 PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.
 SEAL ALL EXPOSED HORIZONTAL AND VERTICAL PREFORMED JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.
 1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.
 EXISTING STRUCTURE B-51-133 A 3-SPAN CONTINUOUS HAUNCHED SLAB BRIDGE WITH AN OVERALL LENGTH OF 10'-6" AND AN OVERALL WIDTH OF 60'-11" AND THE TEMPORARY WIDENING SHALL COMPLETELY BE REMOVED UNDER THE BID ITEM - REMOVING OLD STRUCTURE STATION 1241+81 RT.
 FOR STRUCTURE B-51-139, SEE SEPARATE SET OF PLANS.



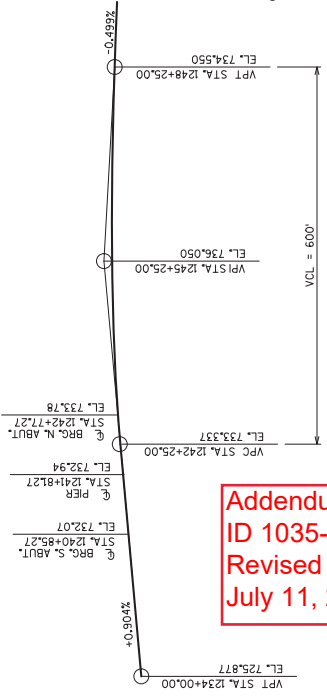
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PROFILE GRADE LINE - SEVEN MILE ROAD EB & WB

Addendum No. 02
ID 1035-01-74
Revised Sheet 498
July 11, 2018

PROFILE GRADE LINE - IH 94 NB



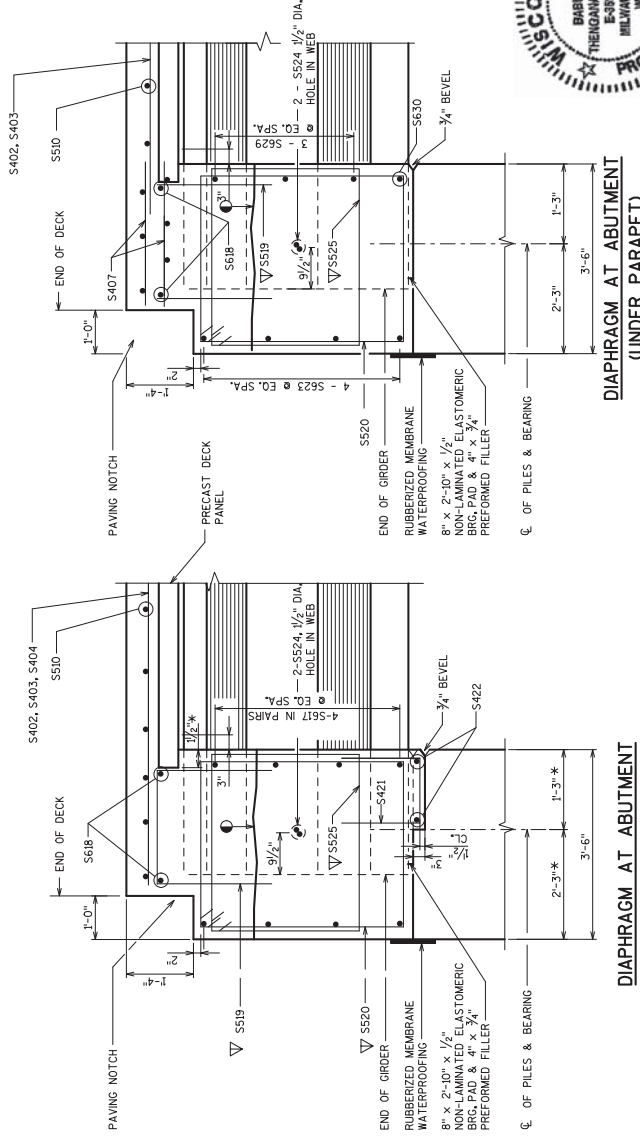
LEGEND

- BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES, LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED 46-INCH SLOPE 0.5% MIN. TO SUITABLE DRAINAGE, ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

QUANTITIES AND DESIGN DATA

ADDENDUM NO. 2
 NO. DATE REVISION BY
 7/6/18
 DEPARTMENT OF TRANSPORTATION
STRUCTURE B-51-140
 DRAWN BY: TAL
 CHECKED BY: BDT
 SHEET 3 OF 26

STATE PROJECT NUMBER
1035-01-74

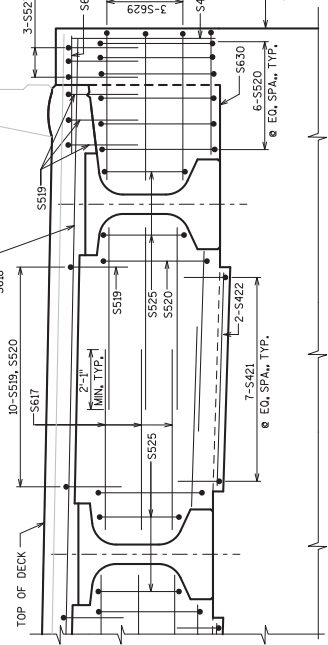


LEGEND
 ▣ DIMENSION IS TAKEN PARALLEL TO ϕ OF GIRDER,
 * DIMENSION IS TAKEN NORMAL TO ϕ OF SUBSTRUCTURE UNITS,
 ○ OPTIONAL CONST. JT. 1"-2" BELOW TOP OF GIRDER, IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF DIAPHRAGM POUR,
 ▽ BARS PLACED PARALLEL TO ORDERS, SPACING PERPENDICULAR TO ϕ OF ORDERS.

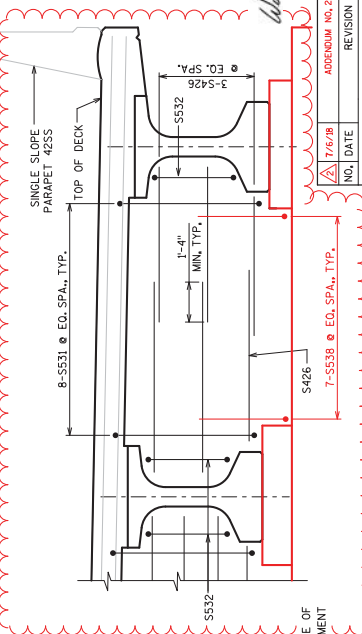
DIAPHRAGM AT PIER

DIAPHRAGM AT ABUTMENT (UNDER PARAPET)

DIAPHRAGM AT ABUTMENT (BETWEEN GIRDERS)



PART TRANSVERSE SECTION AT ABUTMENT DIAPHRAGM
 (NORTH ABUTMENT SHOWN, SOUTH ABUTMENT OPPOSITE)



PART TRANSVERSE SECTION AT PIER DIAPHRAGM

Addendum No. 02
 ID 1035-01-74
 Revised Sheet 516
 July 11, 2018

<p>NO. DATE REVISION</p>		
1	7/6/18	ADDITIONAL NO. 2
<p>BY</p>		
<p>STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION</p>		
<p>STRUCTURE B-51-140</p>		
DRAWN BY	HC	PLANS CNO, BDT
<p>SHEET 21 OF 26</p>		

516

TOP OF DECK ELEVATIONS - SPAN 1

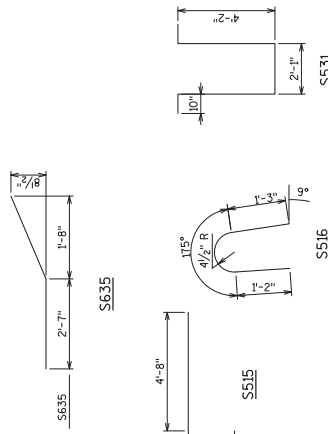
POINT	℄ BRG. S. ABUT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	PIER
WEDGE	731.83	731.92	732.01	732.10	732.18	732.27	732.36	732.44	732.53	732.62	732.70
G1	731.87	731.96	732.05	732.13	732.21	732.31	732.39	732.48	732.57	732.65	732.74
G2	732.07	732.15	732.24	732.33	732.41	732.50	732.59	732.67	732.76	732.85	732.94
PGL	732.07	732.15	732.24	732.33	732.42	732.51	732.60	732.68	732.77	732.86	732.94
G3	732.26	732.35	732.44	732.52	732.61	732.70	732.78	732.87	732.96	733.04	733.13
G4	732.46	732.55	732.64	732.72	732.81	732.89	732.98	733.06	733.15	733.24	733.33
CROWN	732.55	732.64	732.73	732.82	732.90	732.99	733.08	733.16	733.25	733.34	733.42
G5	732.46	732.54	732.63	732.72	732.80	732.89	732.98	733.06	733.15	733.24	733.33
G6	732.26	732.35	732.44	732.52	732.61	732.70	732.78	732.87	732.96	733.04	733.13
G7	732.07	732.15	732.24	732.33	732.41	732.50	732.59	732.67	732.76	732.85	732.94
G8	731.87	731.96	732.05	732.13	732.22	732.31	732.39	732.48	732.57	732.65	732.74
E.EDGE	731.83	731.92	732.01	732.10	732.18	732.27	732.36	732.44	732.53	732.62	732.70

TOP OF DECK ELEVATIONS - SPAN 2

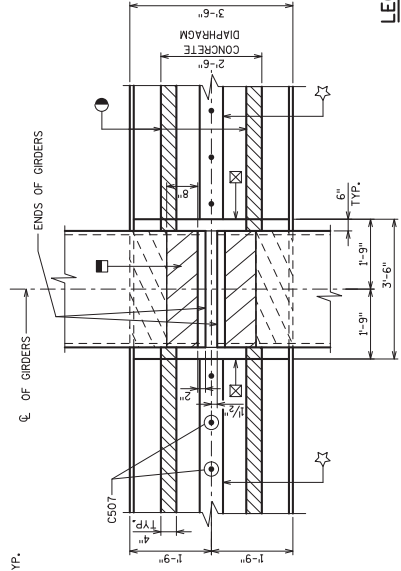
POINT	PIER	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ BRG. N. ABUT.
WEDGE	732.70	732.79	732.88	732.96	733.05	733.14	733.22	733.30	733.38	733.46	733.54
G1	732.74	732.83	732.91	733.00	733.09	733.17	733.26	733.34	733.42	733.50	733.58
G2	732.94	733.02	733.11	733.20	733.28	733.37	733.46	733.54	733.62	733.70	733.78
PGL	732.94	733.03	733.12	733.20	733.29	733.38	733.46	733.54	733.62	733.70	733.78
G3	733.13	733.22	733.30	733.39	733.48	733.57	733.65	733.73	733.81	733.89	733.97
G4	733.33	733.41	733.50	733.59	733.67	733.76	733.85	733.93	734.01	734.09	734.16
CROWN	733.42	733.51	733.60	733.68	733.77	733.86	733.94	734.02	734.10	734.18	734.26
G5	733.33	733.41	733.50	733.59	733.67	733.76	733.85	733.93	734.01	734.09	734.16
G6	733.13	733.22	733.30	733.39	733.48	733.57	733.65	733.73	733.81	733.89	733.97
G7	732.94	733.02	733.11	733.20	733.28	733.37	733.46	733.54	733.62	733.70	733.78
G8	732.74	732.83	732.91	733.00	733.09	733.17	733.26	733.34	733.42	733.50	733.58
E.EDGE	732.70	732.79	732.88	732.96	733.05	733.14	733.22	733.30	733.38	733.46	733.54

Addendum No. 02
ID 1035-01-74
Revised Sheet 517
July 11, 2018

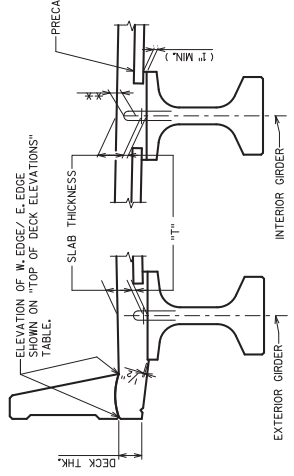
BAR MARK	A	B
S519	2'-2"	2'-0"
S421	1'-3"	1'-3"
S527	3'-1"	3'-8"
S629	3'-1"	3'-10"
S630	3'-1"	3'-10"
S633	3'-1"	4'-2"
S634	7'-11"	7'-6"
S538	2'-1"	2'-1"



BENDING DIAGRAMS



BEARING PAD DETAIL AT PIER



SLAB HAUNCH DETAIL

IF 1" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN SLAB THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN 1/2" OR, DECK EMBEDMENT OF THE BAR CANNOT BE OBTAINED ABOVE THE TOP OF DECK PANELS.

** TO DETERMINE "T", ELEV. OF TOP OF GIRS. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:
TOP OF DECK ELEV. AT FINAL GRADE
+ DEAD LOAD DEFLECTION
- SLAB THICKNESS (CAST IN PLACE DECK + PRECAST DECK PANELS) = HAUNCH HEIGHT "T"

BILL OF BARS

BAR MARK	COM.	NO.	LENGTH	BAR SERIES	LOCATION
S801	X	211	59'-2"	-	SLAB LONGITUDINAL TOP, OVER PIER
S402	X	222	49'-0"	-	SLAB LONGITUDINAL TOP
S403	X	106	23'-5"	-	SLAB LONGITUDINAL TOP, SPAN 1
S404	X	106	39'-3"	-	SLAB LONGITUDINAL TOP, SPAN 2
S405	X	40	45'-0"	-	SLAB LONGITUDINAL BOTTOM
S406	X	10	20'-0"	-	SLAB LONGITUDINAL BOTTOM, ENDS
S407	X	16	2'-4"	-	SLAB LONGITUDINAL ENDS
S510	X	492	38'-7"	-	SLAB TRANSVERSE TOP
S412	X	520	5'-6"	-	SLAB TRANSVERSE BOTTOM
S413	X	726	4'-8"	-	SLAB BETWEEN DECK PANELS
S515	X	492	5'-3"	X	SLAB OVERHANG
S516	X	584	4'-5"	X	PARAPEL VERTICAL
S617	X	112	5'-6"	-	DIAPHRAGM @ ABUT'S, HORIZ.
S618	X	8	40'-8"	-	SLAB TRANSVERSE @ ABUT DIAPH
S519	X	164	5'-11"	X	DIAPHRAGM @ ABUT'S, VERTICAL, TOP
S520	X	164	13'-0"	X	DIAPHRAGM @ ABUT'S, VERTICAL, BOTTOM
S421	X	98	3'-3"	X	DIAPHRAGM @ ABUT'S, STIRRUPS
S422	X	28	6'-0"	-	DIAPHRAGM @ ABUT'S, HORIZ., B.F.
S623	X	16	4'-5"	-	DIAPHRAGM @ ABUT'S, HORIZ., B.F.
S524	X	32	6'-0"	-	DIAPHRAGM @ ABUT'S, STIRRUPS
S426	X	84	5'-2"	-	DIAPHRAGM @ PIER, HORIZ.
S427	X	12	10'-2"	X	DIAPHRAGM @ ABUT'S, VERTICAL, ENDS
S628	X	2	1'-1"	X	DIAPHRAGM TRANSVERSE TOP, ENDS @ WEST
S629	X	6	10'-5"	X	DIAPHRAGM @ ABUT END, HORIZ, U BAR, WEST
S630	X	2	8'-9"	X	DIAPHRAGM @ ABUT END, HORIZ, U BAR, WEST
S531	X	56	11'-7"	X	DIAPHRAGM @ PIER, VERT.
S532	X	14	9'-0"	X	DIAPHRAGM @ PIER, STIRRUPS VERT.
S633	X	6	11'-1"	X	DIAPHRAGM @ ABUT END, HORIZ, U BAR, EAST
S634	X	2	9'-9"	X	DIAPHRAGM @ ABUT END, HORIZ, U BAR, EAST
S635	X	6	4'-5"	X	DIAPHRAGM @ ABUT'S, HORIZ.
S636	X	2	1'-5"	-	DIAPHRAGM @ ABUT'S, HORIZ.
S437	X	8	4'-5"	-	DIAPHRAGM @ ABUT'S, END, VERT.
S538	X	49	6'-0"	X	DIAPHRAGM @ PIER, VERT, U BAR



STATE PROJECT NUMBER
1035-01-74

DATE: 7/6/18
ADDENDUM NO. 2
REVISION: BY
DNC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-51-140
DRAWN BY: HC
CHECKED BY: BDT

SUPERSTRUCTURE
BILL OF BARS

SHEET 22 OF 26
517

EARTHWORK SUMMARY

Division	From/To Station	Location	205.0100 Excavation Common CY	(1) CY	(2)/(5) EBS Excavation CY	SPV.0035.0008 EBS Backfill CY	(3) Roadway Embankment CY	SPV.0035.0006 Soil Drying Treatment TON	SPV.0195.0010 Subgrade Strengthening Treatment TON	(4) Mass Ordinate +/-
1	1194+00 to 1213+00	NORTHBOUND WIDENING	768	154	154	3,250	0	0	-2,482	
Division 1 Subtotals			768	154	154	3,250	0	0	-2,482	
2	1188+00 to 1213+00	SOUTHBOUND MAINLINE	11,360	2,272	2,272	3,953	38	4	7,407	
Division 2 Subtotals			11,360	2,272	2,272	3,953	38	4	7,407	
4	1188+00 to 1213+00	NORTHBOUND MAINLINE	14,782	2,956	2,956	313	35	5	14,469	
Division 4 Subtotals			14,782	2,956	2,956	313	35	5	14,469	
5	1171+50 to 1188+00	MEDIAN	1,818	364	364	0	0	0	1,818	
Division 5 Subtotals			1,818	364	364	0	0	0	1,818	
5	1188+00 to 1213+00	SB SHOULDER WIDENING REMOVAL AND RESTORATION	739	0	0	0	0	0	739	
Division 6 Subtotals			739	0	0	0	0	0	739	
Grand Totals			29,468	11,909	11,909	7,515	73	20	21,952	

NOTES:

- 1) Cut Volume Includes Concrete and Asphaltic Surface Material.
- 2) EBS Excavation to be backfilled with EBS Backfill. **At EBS material is assumed to be wasted off-site.**
- 3) Roadway Embankment = Unexpanded Fill
- 4) The Mass Ordinate + or - quantity is calculated by Division. A positive quantity indicates an excess of material within the division and a negative number indicates a shortage of material within the division.
- 5) Mass Ordinate = Cut-Embankment. The Mass Ordinate is for information purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes and does not guarantee the quality of Common Excavation and if it can be reused onsite.
- 6) Geogrid Type SR is to be used in locations of EBS backfill. If warranted, quantity is listed elsewhere.

Addendum No. 02
ID 1035-01-79
Revised Sheet 150
July 11, 2018

EXPOSING EXISTING INFRASTRUCTURE

CATEGORY	PROJECT	SPV.0060.0100	
		EXPOSING EXISTING INFRASTRUCTURE UNPAVED AREA	EXPOSING EXISTING INFRASTRUCTURE PAVED AREA
1000	IH 94 NORTHBOUND	1	1
TOTAL		1	1

PROJECT NO: 1035-01-79

HWY: IH 94

COUNTY: RACINE

MISCELLANEOUS QUANTITIES

SHEET

E

EARTHWORK

CATEGORY	STAGE	ROADWAY	FROM / TO STATION	SPV/0195.0010 EBS EXCAVATION (1)		SPV/0195.0006 EBS BACKFILL (2)		SPV/0195.0006 ROADWAY EMBANKMENT (3)		SPV/0195.0010 SOIL DRYING TREATMENT		SPV/0195.0012 ROADWAY STRENGTHENING TREATMENT		MASS ORDINATE +/- (4)
				CY	(2)/(5)	CY	CY	CY	TON	TON	TON			
1000	1	WEST FRONTAGE ROAD TO 27TH ST	4288+00 to 4297+10	9,270	567	567	957	957	38	0	0	0	8,313	
		IH 94 NORTHBOUND WIDENING	1288+00 to 1293+00	7,763	467	467	21,485	21,485	167	15	15	0	-13,721	
		EAST FRONTAGE ROAD CUL-DE-SAC	5276+21 to 5277+59	214	59	59	219	219	6	0	0	0	-5	
		EBS AT DITCH FILLS	1288+00 to 1293+00	0	1,469	1,469	0	0	0	0	0	0	0	
		SUBTOTAL STAGE 1B		17,248	2,501	2,501	22,661	22,661	210	62	62	0	-5,413	
	2	IH 94 SOUTHBOUND	1288+00 to 1293+00	17,817	1,482	1,482	27,134	27,134	151	49	49	0	-9,317	
		EBS AT DITCH FILLS	4288+00 to 4297+10	0	346	346	0	0	0	0	0	0	0	
		SUBTOTAL STAGE 2		17,817	1,828	1,828	27,134	27,134	151	60	60	0	-9,317	
	3	IH 94 NORTHBOUND	1288+00 to 1293+00	1,956	128	128	675	675	19	4	4	0	1,281	
		IH 94 SOUTHBOUND	1288+00 to 1293+00	2,126	104	104	474	474	16	3	3	0	1,652	
		SUBTOTAL STAGE 3		4,082	233	233	1,149	1,149	35	8	8	0	2,933	
	4	IH 94 NORTHBOUND	1288+00 to 1293+00	16,646	1,149	1,149	2,965	2,965	147	38	38	0	13,680	
		SUBTOTAL STAGE 4		16,646	1,149	1,149	2,965	2,965	147	38	38	0	13,680	
	5	IH 94 SOUTHBOUND	1288+00 to 1293+00	495	0	0	0	0	0	0	0	0	495	
		SUBTOTAL STAGE 5		495	0	0	0	0	0	0	0	0	495	
		GRAND TOTALS		56,288	5,711	5,711	53,909	53,909	544	168	168	0	2,378	

- 1) Cut Volume Includes Concrete and Asphaltic Surface Material.
- 2) EBS Excavation to be backfilled with EBS Backfill. **[All EBS material is assumed to be wasted off-site.]**
- 3) Roadway Embankment = Unexpanded Fill
- 4) The Mass Ordinate +/- quantity is calculated by Division. A positive quantity indicates an excess of material within the division and a negative number indicates a shortage of material within the division. Mass Ordinate = Cut-Embankment. The mass ordinate is for informational purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes and does not guarantee the quality of Common Excavation, and it can be reused onsite.
- 5) Geogrid Type SR is to be used in locations of EBS backfill. Quantity is listed elsewhere.

Addendum No. 02
ID 1035-01-82
Revised Sheet 125
July 11, 2018



Proposal Schedule of Items

Proposal ID: 20180724001 Project(s): 1030-20-84, 1030-20-87, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82

Federal ID(s): WISC 2018380, WISC 2018381, WISC 2018382, WISC 2018383, WISC 2018384, WISC 2018385

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0160	204.9105.S Removing (item description) 0006. Old Sign Structure S-51-204	LS	LUMP SUM	_____.
0162	204.9105.S Removing (item description) 0007. Old Sign Structure S-51-206	LS	LUMP SUM	_____.
0164	204.9105.S Removing (item description) 0008. Old Sign Structure S-51-401	LS	LUMP SUM	_____.
0166	204.9105.S Removing (item description) 0009. Old Sign Structure S-51-205	LS	LUMP SUM	_____.
0168	205.0100 Excavation Common **P**	1,041,654.000 CY	_____.	_____.
0170	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	163.000 TON	_____.	_____.
0172	205.3000.S Temporary Emergency Pullouts	4.000 EACH	_____.	_____.
0174	206.1000 Excavation for Structures Bridges (structure) 4139. B-51-139	LS	LUMP SUM	_____.
0176	206.1000 Excavation for Structures Bridges (structure) 4140. B-51-140	LS	LUMP SUM	_____.
0178	206.1000 Excavation for Structures Bridges (structure) 4800. B-40-800	LS	LUMP SUM	_____.
0180	206.1000 Excavation for Structures Bridges (structure) 4801. B-40-801	LS	LUMP SUM	_____.
0182	206.1000 Excavation for Structures Bridges (structure) 4802. B-40-802	LS	LUMP SUM	_____.
0184	206.1000 Excavation for Structures Bridges (structure) 4803. B-40-803	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20180724001 Project(s): 1030-20-84, 1030-20-87, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82

Federal ID(s): WISC 2018380, WISC 2018381, WISC 2018382, WISC 2018383, WISC 2018384, WISC 2018385

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0304	460.8624 HMA Pavement 4 SMA 58-28 V	275.000 TON	_____.	_____.
0306	465.0120 Asphaltic Surface Driveways and Field Entrances	76.000 TON	_____.	_____.
0308	465.0125 Asphaltic Surface Temporary	1,255.000 TON	_____.	_____.
0310	465.0315 Asphaltic Flumes	59.000 SY	_____.	_____.
0312	495.1000.S Cold patch	150.000 TON	_____.	_____.
0314	501.1000.S Ice Hot Weather Concreting	65,469.000 LB	_____.	_____.
0316	502.0100 Concrete Masonry Bridges **P**	4,198.000 CY	_____.	_____.
0318	502.3200 Protective Surface Treatment **P**	18,421.000 SY	_____.	_____.
0320	502.3210 Pigmented Surface Sealer	1,849.000 SY	_____.	_____.
0322	503.0146 Prestressed Girder Type I 45W-Inch **P**	8,651.000 LF	_____.	_____.
0324	503.0155 Prestressed Girder Type I 54W-Inch **P**	3,078.000 LF	_____.	_____.
0326	504.0500 Concrete Masonry Retaining Walls **P**	65.000 CY	_____.	_____.
0328	505.0400 Bar Steel Reinforcement HS Structures	37,420.000 LB	_____.	_____.
0330	505.0600 Bar Steel Reinforcement HS Coated Structures	1,975,490.000 LB	_____.	_____.
0332	505.0800.S Bar Steel Reinforcement HS Stainless Structures	17,830.000 LB	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20180724001 Project(s): 1030-20-84, 1030-20-87, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82

Federal ID(s): WISC 2018380, WISC 2018381, WISC 2018382, WISC 2018383, WISC 2018384, WISC 2018385

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0570	608.0442 Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	541.000 LF	_____.	_____.
0572	608.0512 Storm Sewer Pipe Reinforced Concrete Class V 12-Inch	1,200.000 LF	_____.	_____.
0574	608.0515 Storm Sewer Pipe Reinforced Concrete Class V 15-Inch	164.000 LF	_____.	_____.
0576	608.0518 Storm Sewer Pipe Reinforced Concrete Class V 18-Inch	794.000 LF	_____.	_____.
0578	608.0524 Storm Sewer Pipe Reinforced Concrete Class V 24-Inch	761.000 LF	_____.	_____.
0580	608.2414 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 14x23-Inch	630.000 LF	_____.	_____.
0582	608.2419 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	2,229.000 LF	_____.	_____.
0584	608.2424 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	97.000 LF	_____.	_____.
0586	611.0420 Reconstructing Manholes	41.000 EACH	_____.	_____.
0588	611.0430 Reconstructing Inlets	12.000 EACH	_____.	_____.
0590	611.0530 Manhole Covers Type J	29.000 EACH	_____.	_____.
0592	611.0535 Manhole Covers Type J-Special	26.000 EACH	_____.	_____.
0594	611.0610 Inlet Covers Type BW	171.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20180724001 Project(s): 1030-20-84, 1030-20-87, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82

Federal ID(s): WISC 2018380, WISC 2018381, WISC 2018382, WISC 2018383, WISC 2018384, WISC 2018385

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0596	611.0627 Inlet Covers Type HM	48.000 EACH	_____.	_____.
0598	611.0636 Inlet Covers Type HM-S	13.000 EACH	_____.	_____.
0600	611.0642 Inlet Covers Type MS	61.000 EACH	_____.	_____.
0602	611.0654 Inlet Covers Type V	327.000 EACH	_____.	_____.
0604	611.0660 Inlet Covers Type WM	53.000 EACH	_____.	_____.
0606	611.2004 Manholes 4-FT Diameter	165.000 EACH	_____.	_____.
0608	611.2005 Manholes 5-FT Diameter	116.000 EACH	_____.	_____.
0610	611.2006 Manholes 6-FT Diameter	58.000 EACH	_____.	_____.
0612	611.2007 Manholes 7-FT Diameter	18.000 EACH	_____.	_____.
0614	611.2008 Manholes 8-FT Diameter	2.000 EACH	_____.	_____.
0616	611.3003 Inlets 3-FT Diameter	23.000 EACH	_____.	_____.
0618	611.3004 Inlets 4-FT Diameter	94.000 EACH	_____.	_____.
0620	611.3225 Inlets 2x2.5-FT	112.000 EACH	_____.	_____.
0622	611.3230 Inlets 2x3-FT	16.000 EACH	_____.	_____.
0624	611.3253 Inlets 2.5x3-FT	17.000 EACH	_____.	_____.
0626	611.3901 Inlets Median 1 Grate	2.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20180724001 Project(s): 1030-20-84, 1030-20-87, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82

Federal ID(s): WISC 2018380, WISC 2018381, WISC 2018382, WISC 2018383, WISC 2018384, WISC 2018385

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0628	611.3902 Inlets Median 2 Grate	28.000 EACH	_____.	_____.
0630	611.3903 Inlets Median 3 Grate	1.000 EACH	_____.	_____.
0632	611.8110 Adjusting Manhole Covers	134.000 EACH	_____.	_____.
0634	611.8115 Adjusting Inlet Covers	108.000 EACH	_____.	_____.
0636	611.8120.S Cover Plates Temporary	46.000 EACH	_____.	_____.
0638	612.0106 Pipe Underdrain 6-Inch	79,052.000 LF	_____.	_____.
0640	612.0206 Pipe Underdrain Unperforated 6-Inch	371.000 LF	_____.	_____.
0642	612.0212 Pipe Underdrain Unperforated 12-Inch	780.000 LF	_____.	_____.
0644	612.0406 Pipe Underdrain Wrapped 6-Inch	2,810.000 LF	_____.	_____.
0646	612.0700 Drain Tile Exploration	1,600.000 LF	_____.	_____.
0648	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	3.000 EACH	_____.	_____.
0650	614.0115 Anchorages for Steel Plate Beam Guard Type 2	2.000 EACH	_____.	_____.
0652	614.0150 Anchor Assemblies for Steel Plate Beam Guard	3.000 EACH	_____.	_____.
0654	614.0305 Steel Plate Beam Guard Class A	50.000 LF	_____.	_____.
0656	614.0396 Guardrail Mow Strip Asphalt	2,433.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20180724001 Project(s): 1030-20-84, 1030-20-87, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82

Federal ID(s): WISC 2018380, WISC 2018381, WISC 2018382, WISC 2018383, WISC 2018384, WISC 2018385

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0718	628.2004 Erosion Mat Class I Type B	508,952.000 SY	_____.	_____.
0720	628.2006 Erosion Mat Urban Class I Type A	10,200.000 SY	_____.	_____.
0722	628.2008 Erosion Mat Urban Class I Type B	90,013.000 SY	_____.	_____.
0724	628.6005 Turbidity Barriers	934.000 SY	_____.	_____.
0726	628.6505 Soil Stabilizer Type A	2.200 ACRE	_____.	_____.
0728	628.6510 Soil Stabilizer Type B	29.100 ACRE	_____.	_____.
0730	628.7005 Inlet Protection Type A	798.000 EACH	_____.	_____.
0732	628.7010 Inlet Protection Type B	6.000 EACH	_____.	_____.
0734	628.7015 Inlet Protection Type C	69.000 EACH	_____.	_____.
0736	628.7020 Inlet Protection Type D	947.000 EACH	_____.	_____.
0738	628.7504 Temporary Ditch Checks	6,095.000 LF	_____.	_____.
0740	628.7515.S Stone or Rock Ditch Checks	597.000 CY	_____.	_____.
0742	628.7555 Culvert Pipe Checks	379.000 EACH	_____.	_____.
0744	628.7560 Tracking Pads	43.000 EACH	_____.	_____.
0746	628.7570 Rock Bags	1,930.000 EACH	_____.	_____.
0748	630.0160 Seeding Mixture No. 60	1,090.000 LB	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20180724001 Project(s): 1030-20-84, 1030-20-87, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82

Federal ID(s): WISC 2018380, WISC 2018381, WISC 2018382, WISC 2018383, WISC 2018384, WISC 2018385

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0866	643.0420 Traffic Control Barricades Type III	66,565.000 DAY	_____.	_____.
0868	643.0500 Traffic Control Flexible Tubular Marker Posts	70.000 EACH	_____.	_____.
0870	643.0600 Traffic Control Flexible Tubular Marker Bases	70.000 EACH	_____.	_____.
0872	643.0705 Traffic Control Warning Lights Type A	128,462.000 DAY	_____.	_____.
0874	643.0715 Traffic Control Warning Lights Type C	111,129.000 DAY	_____.	_____.
0876	643.0800 Traffic Control Arrow Boards	2,176.000 DAY	_____.	_____.
0878	643.0900 Traffic Control Signs	469,704.000 DAY	_____.	_____.
0880	643.0910 Traffic Control Covering Signs Type I	25.000 EACH	_____.	_____.
0882	643.0920 Traffic Control Covering Signs Type II	75.000 EACH	_____.	_____.
0884	643.1000 Traffic Control Signs Fixed Message	3,816.750 SF	_____.	_____.
0886	643.1050 Traffic Control Signs PCMS	6,529.000 DAY	_____.	_____.
0888	643.1051 Traffic Control Signs PCMS with Cellular Communications	2,017.000 DAY	_____.	_____.
0890	643.1055.S Truck or Trailer Mounted Attenuator	119.000 DAY	_____.	_____.
0892	643.1100.S Dynamic Late Merge System	692.000 DAY	_____.	_____.
0894	643.4100.S Traffic Control Interim Lane Closure	576.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20180724001 Project(s): 1030-20-84, 1030-20-87, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82

Federal ID(s): WISC 2018380, WISC 2018381, WISC 2018382, WISC 2018383, WISC 2018384, WISC 2018385

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1178	SPV.0005 Special 0001. Seedbed Preparation	2.000 ACRE	_____.	_____.
1180	SPV.0030 Special 0001. Fertilizer Type B Special	473.000 CWT	_____.	_____.
1182	SPV.0035 Special 0001. Pond Lining Clay Special	3,637.000 CY	_____.	_____.
1184	SPV.0035 Special 0002. Clay Embankment Fill	6,177.000 CY	_____.	_____.
1186	SPV.0035 Special 0005. Backfill Slurry	1,414.000 CY	_____.	_____.
1188	SPV.0035 Special 0006. Roadway Embankment **P**	579,089.000 CY	_____.	_____.
1190	SPV.0035 Special 0007. Excavation, Hauling, and Reuse of Low-Level Contaminated Soil	780.000 CY	_____.	_____.
1192	SPV.0035 Special 0008. EBS Excavation	135,592.000 CY	_____.	_____.
1194	SPV.0035 Special 0009. EBS Backfill	135,592.000 CY	_____.	_____.
1196	SPV.0035 Special 0020. Riprap Light Special Mix	36.000 CY	_____.	_____.
1198	SPV.0035 Special 4000. HPC Masonry Structures **P**	7,483.000 CY	_____.	_____.
1200	SPV.0045 Special 0001. Portable Speed Trailer	948.000 DAY	_____.	_____.
1202	SPV.0055 Special 0002. Dispute Resolution Board	20,000.000 DOL	1.00000	20,000.00
1204	SPV.0055 Special 0100. Incentive/Disincentive for Interim Completion of Work - Stage 4	500,000.000 DOL	1.00000	500,000.00
1206	SPV.0055 Special 0101. Incentive/Disincentive for Interim Completion of Work - Stage 5	500,000.000 DOL	1.00000	500,000.00



Proposal Schedule of Items

Proposal ID: 20180724001 Project(s): 1030-20-84, 1030-20-87, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82

Federal ID(s): WISC 2018380, WISC 2018381, WISC 2018382, WISC 2018383, WISC 2018384, WISC 2018385

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1440	SPV.0195 Special 0003. HMA Longitudinal Joint Repair	4,607.000 TON	_____.	_____.
1442	SPV.0195 Special 0004. Select Subbase	8,896.000 TON	_____.	_____.
1444	SPV.0195 Special 0005. Excavation, Hauling and Disposal of Creosote Contaminated Soil	3,471.000 TON	_____.	_____.
1446	SPV.0195 Special 0010. Soil Drying Treatment	3,042.000 TON	_____.	_____.
1448	SPV.0195 Special 0012. Subgrade Strengthening Treatment	42,023.000 TON	_____.	_____.
1450	SPV.0200 Special 0012. Manholes 4-FT Diameter Special	90.000 VF	_____.	_____.
1452	203.0200 Removing Old Structure (station) 0008. 134+40	LS	LUMP SUM	_____.
1454	203.0200 Removing Old Structure (station) 0009. 1241+75	LS	LUMP SUM	_____.
1456	522.0412 Culvert Pipe Reinforced Concrete Class IV 12-Inch	200.000 LF	_____.	_____.
1458	522.0436 Culvert Pipe Reinforced Concrete Class IV 36-Inch	965.000 LF	_____.	_____.
1460	522.0554 Culvert Pipe Reinforced Concrete Class V 54-Inch	437.000 LF	_____.	_____.
1462	522.2429 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	112.000 LF	_____.	_____.
1464	SPV.0060 Special 1040. Salvage Lighting Units	2.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20180724001 Project(s): 1030-20-84, 1030-20-87, 1035-01-72, 1035-01-74, 1035-01-79, 1035-01-82

Federal ID(s): WISC 2018380, WISC 2018381, WISC 2018382, WISC 2018383, WISC 2018384, WISC 2018385

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1466	606.0100 Riprap Light	325.000 CY	_____.	_____.
1468	645.0130 Geotextile Type R	1,900.000 SY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.