



Wisconsin Department of Transportation

July 6, 2016

Division of Transportation Systems Development

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

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

NOTICE TO ALL CONTRACTORS:

**Proposal #01: 1517-07-77, WISC 2016 229
USH 10 – USH 10/STH 441
County CB – Oneida Street
I-41 Interchange Bridges and
LLBDM Bridge B-70-61 Redeck
USH 10
Winnebago County**

Letting of July 12, 2016

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

Special Provisions

Revised Special Provisions	
Article No.	Description
8.1	Utilities
10.4	Excavation, Hauling and Disposal of Contaminated Sediment, Item SPV.0035.701.

Added Special Provisions	
Article No.	Description
10.5	Protection of Engineered Sediment Cap, Item SPV.0105.701; Repair of Engineered Sediment Cap, Item SPV.0035.702.
12.29	Junction Boxes Fiberglass 18x12x6-Inch, Item SPV.0060.709

Deleted Special Provisions	
Article No.	Description
1.4	Notice to Contractor – Project Storage and Staging Areas.
7.4	Hauling Restrictions.
17.2	Anchor Bolt Cover Shroud, Item SPV.0060.350
18.10	Conduit HDPE Direction Bore 1-Duct 2-Inch, Item SPV.0090.400

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.9165.S.700	Removing Temporary Shoring Left In Place	SF	873	-433	440
205.0100	Excavation Common **P**	CY	232,472	-10,759	221,713
505.0600	Bar Steel Reinforcement HS Coated Structures	LB	5,711,380	18,870	5,730,250
550.1140	Piling Steel HP 14-Inch x 73 LB	LF	41,614	348	41,962
603.3559	Concrete Barrier Transition Type S42 to S56	Each	1	1	2
627.0200	Mulching	SY	69,196	-31,102	38,094
630.0120	Seeding Mixture No. 20	LB	2,707	-1,011	1,696
630.0200	Seeding Temporary	LB	2,554	-1,011	1,543
633.0500	Delineators Reflectors (Yellow)	Each	3	39	42
633.1000	Delineators Brackets	Each	3	39	42
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	LF	8,949	1,065	10,014
654.0107	Concrete Bases Type 7	Each	1	1	2
SPV.0035.001	Roadway Embankment	CY	126,206	-227	125,979
SPV.0090.201	Concrete Barrier Temporary Precast Left in Place	LF	30,110	-27,310	2,800

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
603.1142	Concrete Barrier Type S42	LF	0	25	25
671.0222	Conduit HDPE Directional Bore 2-Duct 2-Inch **P**	LF	0	80	80
SPV.0035.702	Repair of Engineered Sediment Cap	CY	0	3,120	3,120
SPV.0060.709	Junction Boxes Fiberglass 18x12x6-Inch	EA	0	3	3
SPV.0105.701	Protection of Engineered Sediment Cap	LS	0	1	1

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
625.0100	Topsoil	SY	37,443	-37,443	0
SPV.0060.350	Anchor Bolt Cover Shroud	Each	32	-32	0
SPV.0090.400	Conduit HDPE Directional Bore 1-Duct 2-Inch **P**	LF	80	-80	0

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
73	ITS plan (added conduit/vaults that are no longer part of 1517-07-76)
89	Lighting Plan (Added conduit and lighting base)
141	Miscellaneous Quantities (Earthwork changes)
143	Miscellaneous Quantities (Concrete Barrier addition changes)
145	Miscellaneous Quantities (Delineators and restoration changes)
148	Miscellaneous Quantities (Concrete Barrier left in place changes)
150	Miscellaneous Quantities (Lighting quantity changes)
151	Miscellaneous Quantities (Lighting quantity changes)
173	Miscellaneous Quantities (ITS quantity changes)

309	General Plan Spans 7-11 (Added sediment cap details)
310	General Plan Spans 12-16 (Added sediment cap details)
312	General Notes (Revised and added general notes)
313	Estimated Quantities (Revised qtys and added bid items)
419	General Notes and Quantities (Added bid item)
483	Parapet Electrical Work (Revised end of bridge conduit routing)
502	General Notes and Quantities (Updated Quantities, Added Bid Item)
514	Pier 4 Layout (Added Optional Construction Joint, Bearing Elevations)
515	Piers 5, 7, 8 Layout (Added Optional Construction Joint)
516	Pier 6 Layout (Added Optional Construction Joint)
517	Pier 9 Layout (Added Optional Construction Joint)
525	Piers 5-8 Shaft Reinforcing (Updated Shaft Bars)
536	Bearing Design Data (Updated Bearing Height)
571	Parapet Electrical (Revised end of bridge conduit routing)
585	General Notes and Quantities (Added bid item)
646	Parapet 32SS Electrical Work
668-669	Earthwork (FEN & FNW Ramps)
687-697	Cross Sections (FEN ramp 142FEN+50 to 152FEN+94)
702-712	Cross Sections (FEN ramp 1327FNW+50 to 1336FNW+69)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
33A	Plan Details (B-70-403 west abutment median barrier)

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

1517-07-77

July 6, 2016

Special Provisions

1.4 DELETED.

7.4 DELETED.

8.1 Utilities.

Replace entire article language with the following:

- (1) This contract comes under the provision of Administrative Rule Trans 220. 107-065 (20080501)
- (2) There are utility facilities within the construction limits of this project. Additional detailed information regarding the location of discontinued, relocated, and/or removed utility facilities is available in the work plan provided by each utility company. View these documents at the Regional Office during normal working hours.
- (3) Work around or remove and dispose of any discontinued utility conduits, cables, and pipes encountered during excavation. Any removal and disposal shall be incidental to common excavation, unless specified otherwise in this contract as a separate bid item.
- (4) **Sprint Communications Company LP** has underground communication facilities along the Canadian National Railroad corridor, throughout the project limits. No conflicts are anticipated.
- (5) The existing underground communication facility has been potholed along the west side of pier 8 (B-70-401) and the west side of pier 4 (B-70-406); pothole information is available upon request.
- (6) Notify Sprint Communications Company LP (Gerry Crain, 847-445-1869, Gerry.a.crain@sprint.com) at least 14 days prior to excavation, removal, and/or installation of temporary shoring at pier 8 (B-70-401) and pier 4 (B-70-406); Sprint Communications Company will provide an on-site representative during construction.
- (7) **Time Warner Cable** has underground communication facilities along the east side of Butte Des Morts Beach Road near pier 9 (B-70-401), to be adjusted after the grading work has been started in this area. This adjustment is anticipated to take 3 weeks.
- (8) Time Warner Cable will provide an on-site representative during grading and installation of pier 9 (B-70-401).
- (9) Notify Time Warner Cable (Vince Albin, 920-831-9249, Vince.Albin@charter.com), as per Trans 220.05(10).
- (10) **We Energies** has underground electric facilities along the east side of Lake Street. No conflicts are anticipated.

- (11) Notify We Energies (Chris Schulz, 414-588-0455, Chris.Schulz@we-energies.com) as per Trans 220.05(10) prior to excavation near pier 5 (B-70-406). We Energies plans to de-energize this electric line during pier construction and will re-energize after pier construction is complete.
- (12) **We Energies** has underground gas facilities throughout the project limits. No conflicts are anticipated.
- (13) If discontinued gas facilities are identified during construction call WE Energies Gas Dispatch at 1-800-267-5325 to verify the facility is not active.
- (14) The following utilities are either not in conflict or relocated their facilities in 2014 or 2015 and no additional conflicts are anticipated:
 - a. AT&T Legacy
 - b. AT&T Wisconsin
 - c. Town of Menasha Utility District – Sanitary Sewer
 - d. Town of Menasha Utility District – Water

10.4 Excavation, Hauling and Disposal of Contaminated Sediment, Item SPV.0035.701.

Replace paragraph three under section titled A.2 Notice to the Contractor with the following:

Dredged material that is removed from the below the depth of contaminated sediment shall be reused with the project or managed as solid waste as directed by the engineer.

Delete paragraph four under section titled A.2 Notice to the Contractor.

10.5 Protection of Engineered Sediment Cap, Item SPV.0105.003; Repair of Engineered Sediment Cap, Item SPV.0035.003.

A Description

A.1 General

This special provision describes measures to prevent damage to the engineered sediment cap in place in Little Lake Butte des Morts, and the requirements for repair of the cap if damaged during construction.

A.2 Notice to the Contractor

The contractor is advised Little Lake Butte des Morts (LLBDM) is within the United States Environmental Protection Agency (USEPA) Lower Fox River PCB Remediation Site following Superfund criteria, where soft sediment have the potential to be contaminated with PCBs. Others previously dredged PCB-impacted sediment from LLBDM and constructed a protective sand/armor cap over areas where low-level PCBs remain in the sediment.

The extent of the engineered cap is as shown on the plans. The cap has a nominal thickness of 13 inches, and consists of 3 to 6 inches of sand overlain with 4 to 7 inches of armor stone. The sand meets the ASTM C33 gradation for fine aggregate, and armor stone is angular to sub-rounded material meeting ASTM C33 No 467.

The engineered cap that covers PCB-impacted sediment is near or within the limits of construction. The contractor is advised to use best practices to avoid damage to the cap (e.g. avoid spudding and tug boat prop-wash disturbance in the capped areas). The Wisconsin Department of Natural Resources may

observe construction practices for in-water work that occurs near the cap. The Environmental Consultant will monitor the cap for damage, and will direct contractor to repair damage to the cap, as needed.

For further information on the engineered sediment cap contact the Environmental Consultant listed below.

A.3 Coordination with the Environmental Consultant

Coordinate work under this contract with the Environmental Consultant retained by the Department:

Consultant: TRC Environmental Corporation
Address: 708 Heartland Trail, Suite 3000, Madison, WI, 53717-1934
Contact: Nathan Braun or Dan Haak
Phone: (608) 826-3633 or (608) 826-3628
Fax: (608) 826-3941
e-mail: nbraun@trcsolutions.com or dhaak@trcsolutions.com

The role of the Environmental Consultant will be limited to:

- Oversee and document in-water construction activities occurring near the cap
- Document that buoys defining the edge of cap are set and maintained at the approved locations.
- Coordinate bathymetric surveys of the engineered sediment cap. (Surveys to be completed include: pre-construction, interim [end of each construction season], post-repair [if needed], and post-construction [final]).
- Evaluate bathymetric survey data for damage to the cap.
- Prepare and obtain WDNR approval for Cap Repair Plan(s) if cap damage is detected.
- Direct and oversee that repair of the cap is completed in accordance with the approved Cap Repair Plan.

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all in-water activities anticipated to occur near or within the capped areas. Notify the Environmental Consultant at least five calendar days prior to commencement of any in-water construction activities occurring near the cap.

B (Vacant)

C Construction Methods

Subsection 205.3 of the Standard Specifications is supplemented with the following:

Protect engineered cap to minimize damage to the cap during construction:

- Set and maintain buoys around the boundaries of the cap at locations specified by the Environmental Consultant or Engineer. Buoys will provide visual reminder of the location of the engineered cap to which damage must be avoided and repaired.
- Minimize in-water activity within the capped areas and use best practices to avoid damage to the cap (e.g. avoid/minimize spudding of barges and prop-wash from tug boats in or near capped areas as defined by the buoys).
- Notify the Environmental Consultant if spudding of barges or use of tug boats in the capped area will occur, and provide documentation of location(s) of these activities.

- Request adjustment of buoy location(s), if needed to accommodate construction. Do not move buoy(s) until request has been approved by Engineer.
- Coordinate with Environmental Consultant to allow bathymetric surveys to be completed as needed to evaluate condition of the cap. Bathymetric surveys to be completed by others.
- Provide Environmental Consultant with preferred means and methods for repair of cap, if needed, such that Environmental Consultant can include method in Cap Repair Plan for WDNR approval.

Repair damage to the cap, as needed, and as directed by the Environmental Consultant in accordance with WDNR- approved Cap Repair Plan. Repair, if needed, is anticipated to be as follows:

- Supply armor stone (and sand if needed) that meet design specifications for the engineered cap that is currently in place.
- **Armor Stone** to be hard and durable not having more than 40 percent by with loss upon abrasion (ASTM C535), angular to sub-rounded material meeting modified ASTM C33 No 467, which is defined below:

Armor Stone Specification ASTM C33 No. 467	
Sieve Size	% Passing
1 ¼ - inch	100
¾ – inch	30-70
3/8 – inch	10-30
#4	0-5

- **Sand cover** to be poorly graded sand that generally meets ASTM C33 gradation for fine aggregates, which is defined below:

Sand Specification ASTM C33 fine aggregate	
Sieve Size	% Passing
¾ – inch	100
#4	95-100
#8	80-100
#16	50-85
#30	25-60
#50	10-30
#100	2-10
#200	0-3 ⁽¹⁾

⁽¹⁾ Note that the current cap used sand with specifications that tightened the percent passing the #200 sieve to 0-1 percent.)

- Place armor stone (and sand if needed) over the area(s) with construction-related damage in accordance with approved Plan and schedule.
- Fill damaged area(s) to achieve elevation(s) of the top of cap measured pre-construction, but not to exceed 6-inches over the pre-construction elevation(s).

D Measurement

Protection of engineered cap shall be measured as lump sum. Repair of engineered cap shall be measured by the cubic yard of material placed to repair the cap.

E Payment

The department shall pay for protection of engineered cap as a lump sum and measured quantities to repair the cap at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.003	Protection of Engineered Cap	LS
SPV.0035.003	Repair of Engineered Cap	CY

The price shall be payment in full for the payment of all labor, tools, equipment, materials, and incidentals necessary to complete the work for protecting and repairing the cap.

12.29 Junction Boxes Fiberglass 18x12x6-Inch, Item SPV.0060.709.

A Description

This special provision describes furnishing, installing and connecting fiberglass junction boxes as specified on the plans and in this special provision.

B Material

Furnish 18"x12"x6" NEMA 4X junction boxes constructed in fiberglass with a cover, gasket, and hardware. All latches, brackets, clasps, hinges, and other miscellaneous hardware shall be stainless steel. Provide box and cover in conformance with UL 50, NEMA 250 Type 4X and CSA STD. C22.2.

Furnish box suitable for surface mounting to a structure, complete with external stainless steel mounting lugs or brackets attached to the box. Furnish an overlapping fiberglass cover that is secured to the box with a continuous stainless steel hinge and a minimum of four captive stainless steel clamps utilizing captive stainless steel hex-head bolts or deep slotted stainless steel screws.

Furnish box covers that have a continuous formed, seamless, urethane, oil-resistant gasket. Place the gasket directly onto the junction box cover. Adhere the gasket to the cover without the use of adhesives. Furnish the cover with a retaining chain and captive screws.

C Construction

Secure the junction box to the bridge structure as indicated on plans. Install exposed junction boxes on structures with the hinge on the left side of the box and the cover lying in the vertical plane when closed. Take care to assure proper orientation of mounting lugs. Use all stainless steel hardware (nuts, bolts, washers, struts, threaded rod, etc.) for mounting junction box to the bridge structure.

Make field cut conduit openings uniform and smooth. File smooth all burrs and rough edges prior to the installation of conduits into the junction box. Field cut conduit openings to be fitted with the appropriate conduit fittings and accessories.

D Measurement

The department will measure Junction Boxes Fiberglass 18x12x6-Inch by Each unit acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.709	Junction Boxes Fiberglass 18x12x6-Inch	EACH

Payment is full compensation for providing and installing all materials including fiberglass junction box, cover, mounting hardware, fittings, brackets, and attachments, as required; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the contract work.

17.2 DELETED.

18.10 DELETED.

Schedule of Items

Attached, dated July 6, 2016, are the revised Schedule of Items Pages 1 – 26.

Plan Sheets

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

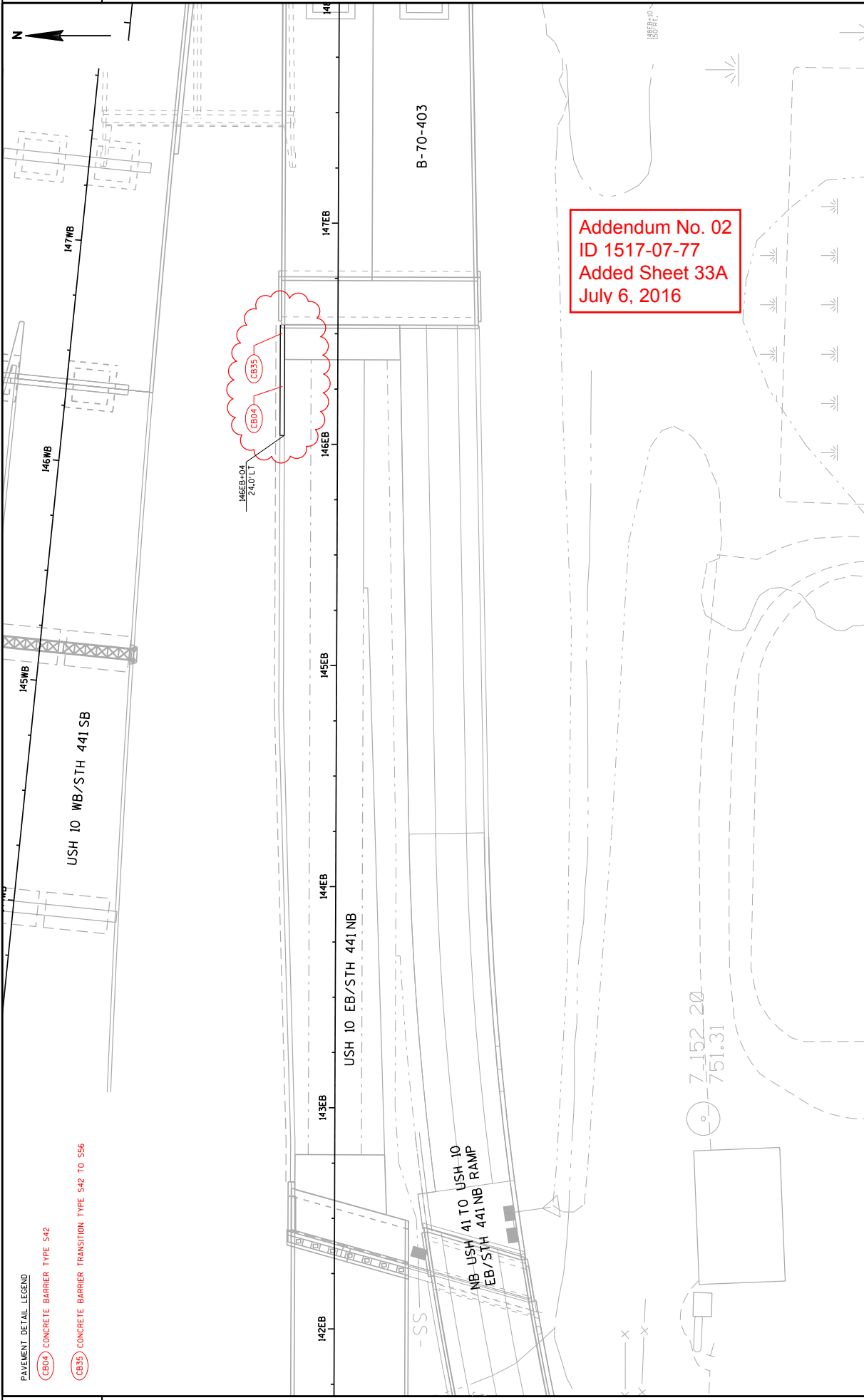
Revised:

73, 89, 141, 143, 145, 148, 150, 151, 173, 309, 310, 312, 313, 419, 483, 502, 514, 515, 516, 517, 525, 536, 571, 585, 646, 668-669, 687-697, 702-712

Added:

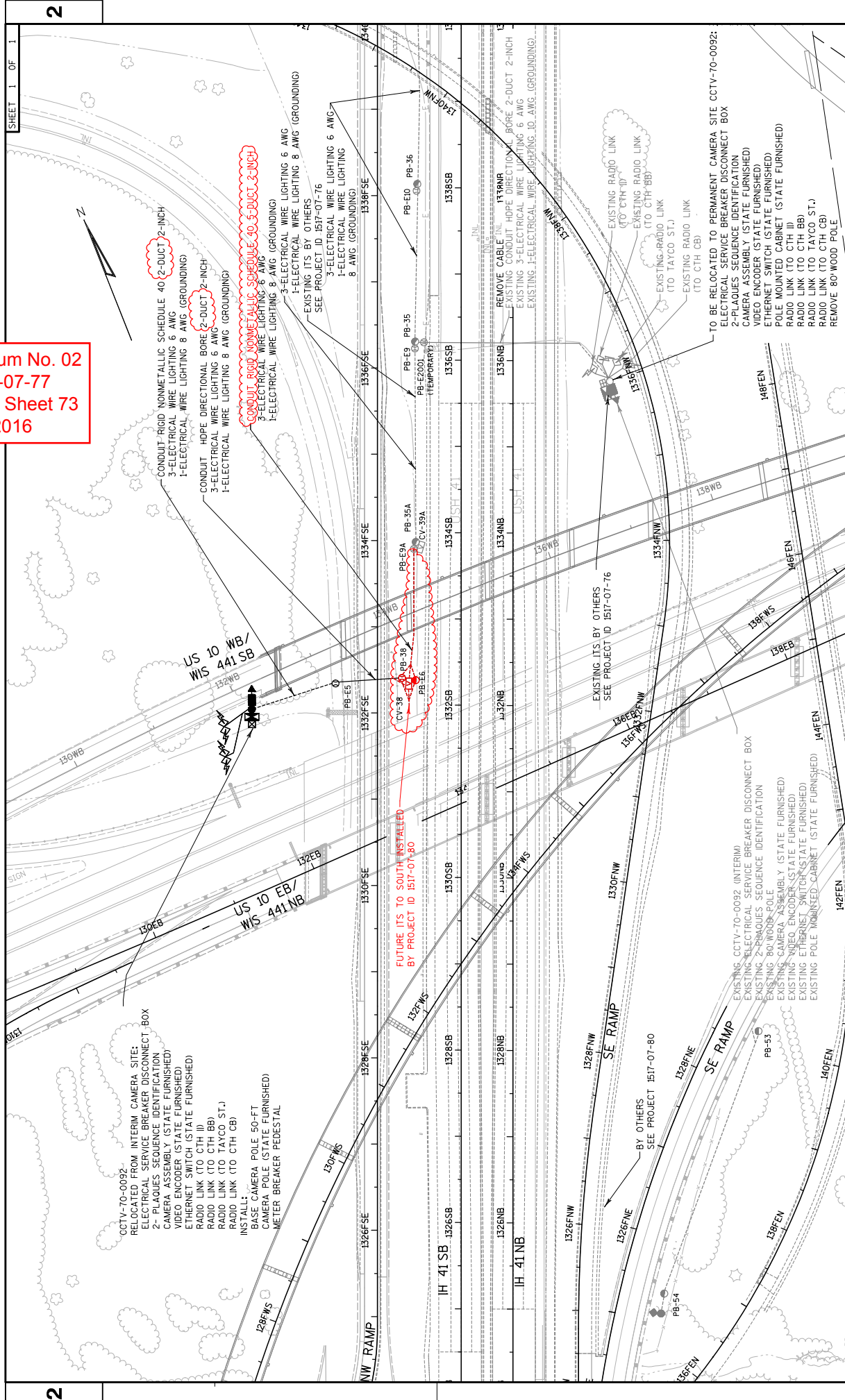
33A

END OF ADDENDUM



PAVEMENT DETAIL LEGEND
 (CB04) CONCRETE BARRIER TYPE S42
 (CB35) CONCRETE BARRIER TRANSITION TYPE S42 TO S56

PROJECT NO: 1517-07-77	HWY: USH 10	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 33A	E
FILE NAME : M:\56537\1517-07-77\1\cbs\021202-p4.dgn			PLOT BY : grossemeyer		WISDOT/CADD SHEET 42
PLOT DATE : 6/29/2016			PLOT NAME :		
PLOT SCALE : 40:1					



Addendum No. 02
 ID 1517-07-77
 Revised Sheet 73
 July 6, 2016

SHEET 1 OF 1

2

SHEET 73

E

ITS - USH 41

COUNTY: WINNEBAGO

HWY: USH 10

PROJECT NO: 1517-07-77

FILE NAME : \\S1102K306\projects\tr\enabp\tr\1517077\021411_fm.dgn

PLOT DATE : 7.1.2016

PLOT BY : nick-becker

PLOT SCALE : 100,0000 FT / IN.

WISDOT/CADD SHEET 42

CCTV-70-0092-
 RELOCATED FROM INTERIM CAMERA SITE:
 ELECTRICAL SERVICE BREAKER DISCONNECT BOX
 2- PLAQUES SEQUENCE IDENTIFICATION
 CAMERA ASSEMBLY (STATE FURNISHED)
 VIDEO ENCODER (STATE FURNISHED)
 ETHERNET SWITCH (STATE FURNISHED)
 RADIO LINK (TO CTH ID)
 RADIO LINK (TO CTH BB)
 RADIO LINK (TO TAYCO ST.)
 RADIO LINK (TO CTH CB)
 INSTALL:
 BASE CAMERA POLE 50-FT
 CAMERA POLE (STATE FURNISHED)
 METER BREAKER PEDESTAL

FUTURE ITS TO SOUTH INSTALLED
 BY PROJECT ID 1517-07-80

CONDUIT RIGID NONMETALLIC SCHEDULE 40-3-DUCT 3-INCH

CONDUIT RIGID NONMETALLIC SCHEDULE 40-2-DUCT 2-INCH
 3-ELECTRICAL WIRE LIGHTING 6 AWG (GROUNDING)
 1-ELECTRICAL WIRE LIGHTING 8 AWG (GROUNDING)

CONDUIT HOPE DIRECTIONAL BORE 2-DUCT 2-INCH
 3-ELECTRICAL WIRE LIGHTING 6 AWG (GROUNDING)
 1-ELECTRICAL WIRE LIGHTING 8 AWG (GROUNDING)

3-ELECTRICAL WIRE LIGHTING 6 AWG (GROUNDING)
 1-ELECTRICAL WIRE LIGHTING 8 AWG (GROUNDING)
 EXISTING ITS BY OTHERS
 SEE PROJECT ID 1517-07-76

3-ELECTRICAL WIRE LIGHTING 6 AWG (GROUNDING)
 1-ELECTRICAL WIRE LIGHTING 8 AWG (GROUNDING)
 EXISTING ITS BY OTHERS
 SEE PROJECT ID 1517-07-76

REMOVE CABLE IN 1133RNR
 EXISTING CONDUIT HOPE DIRECTIONAL BORE 2-DUCT 2-INCH
 EXISTING 3-ELECTRICAL WIRE LIGHTING 6 AWG (GROUNDING)
 EXISTING 1-ELECTRICAL WIRE LIGHTING 8 AWG (GROUNDING)

TO BE RELOCATED TO PERMANENT CAMERA SITE CCTV-70-0092:
 ELECTRICAL SERVICE BREAKER DISCONNECT BOX
 2- PLAQUES SEQUENCE IDENTIFICATION
 CAMERA ASSEMBLY (STATE FURNISHED)
 VIDEO ENCODER (STATE FURNISHED)
 ETHERNET SWITCH (STATE FURNISHED)
 POLE MOUNTED CABINET (STATE FURNISHED)
 RADIO LINK (TO CTH ID)
 RADIO LINK (TO CTH BB)
 RADIO LINK (TO TAYCO ST.)
 RADIO LINK (TO CTH CB)
 REMOVE 80' WOOD POLE

EXISTING CCTV-70-0092 (INTERIM)
 EXISTING ELECTRICAL SERVICE BREAKER DISCONNECT BOX
 EXISTING 2- PLAQUES SEQUENCE IDENTIFICATION
 EXISTING 80' WOOD POLE
 EXISTING CAMERA ASSEMBLY (STATE FURNISHED)
 EXISTING VIDEO ENCODER (STATE FURNISHED)
 EXISTING ETHERNET SWITCH (STATE FURNISHED)
 EXISTING POLE MOUNTED CABINET (STATE FURNISHED)

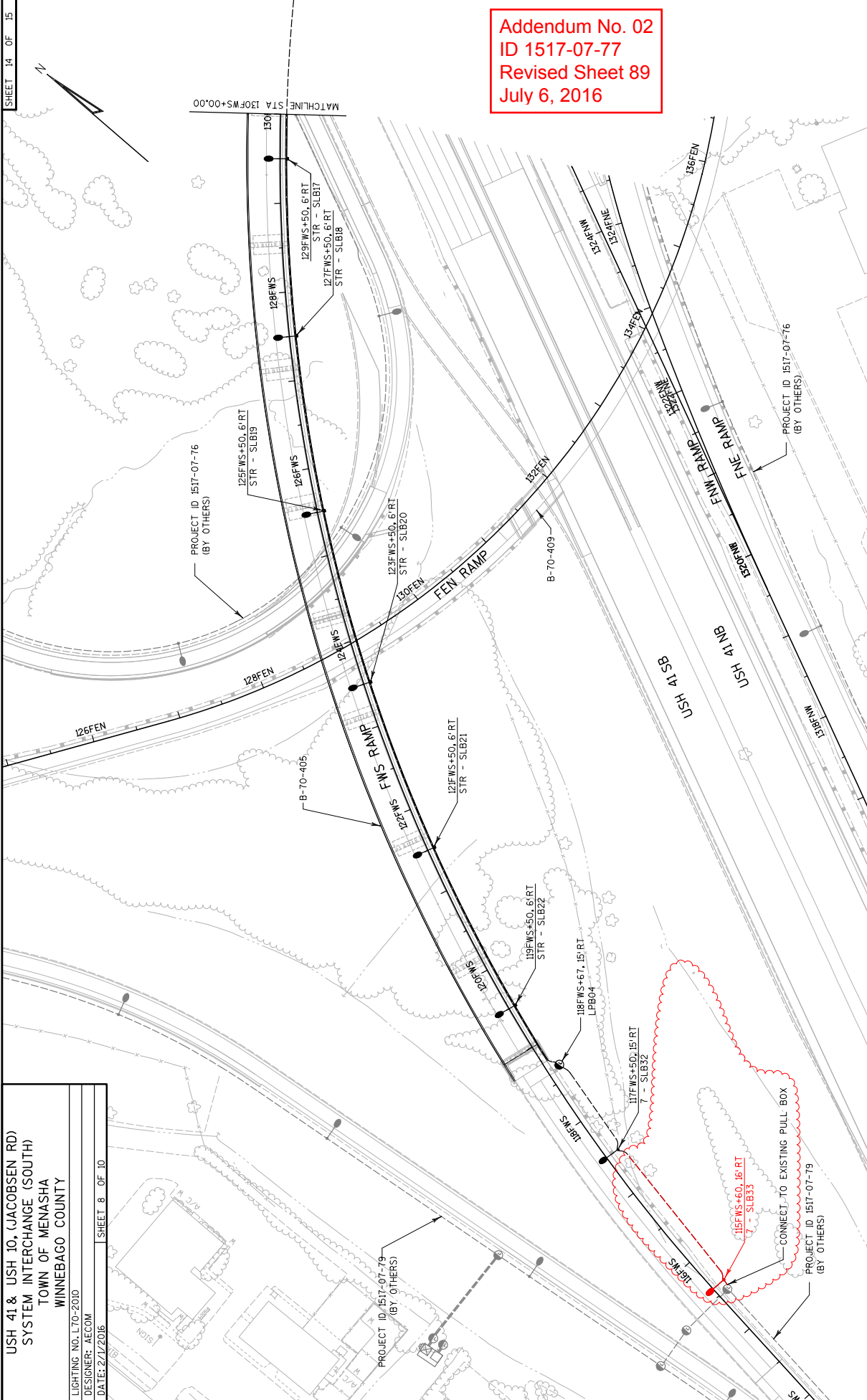
EXISTING ITS BY OTHERS
 SEE PROJECT ID 1517-07-76

USH 41 & USH 10, (JACOBSEN RD)
 SYSTEM INTERCHANGE (SOUTH)
 TOWN OF MENASHA
 WINNEBAGO COUNTY

LIGHTING NO. L70-2010
 DESIGNER: AEGOM
 DATE: 2/1/2016

SHEET 8 OF 10

2



Addendum No. 02
 ID 1517-07-77
 Revised Sheet 89
 July 6, 2016

PROJECT NO: 1517-07-77
 COUNTY: WINNEBAGO
 HWY: USH 10
 LIGHTING PLAN - RAMP FWS
 SHEET 89

FILE NAME : \\S1102K306\projects\tr-enaport\tdh\onus 10 MIS 441\CADD\sheets\15170777\023518_1p.dgn
 PLOT DATE : 6/20/2016
 PLOT BY : nuck-becker
 PLOT NAME :
 PLOT SCALE : 100,0000 ft / in.
 WISDOT/CADD SHEET 42

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 141
 July 6, 2016

REMOVING STORM SEWER

204.0245.001
 REMOVING
 PIPE STORM SEWER
 SIZE 12-INCH-18-INCH
 LF

STATION	OFFSET	STATION	OFFSET	LOCATION	INCH	LF
138WB+06	131.4'	RT - 138WB+27	71.4'	RTJUSH 10 WE	12	63
STAGE 2 SUBTOTAL						63
PROJECT 1517-07-77 TOTAL						63

REMOVING SAND BARRELS

204.9105.S.001
 REMOVING
 SAND
 BARRELS
 LS

STATION	OFFSET	LOCATION	LS	REMARKS
143WB+20	RT	USH 10 WB	1	ARRAY IN GORE
STAGE 2 SUBTOTAL				1
PROJECT 1517-07-77 TOTAL				1

EARTHWORK

Stage	From/To Station	Location	Excavation Common (CY) 205.0100		Fill (CY)	Structure Fill (CY) (6)	Roadway Embankment (CY) (4) SPV.0035.001	Mass Ordinate +/- (5)
			Cut (CY) (2)	EBS (CY) (3)				
1	131WB+50.00 to 133WB+49.68	WEST ABUTMENTS OF 401 B-70-401 TOE TRENCH	55	0	22,542	0	22,542	-22,487
			590	0	0	0	0	590
			645	0	22,542	0	22,542	-21,897
Stage 1 Subtotal			645				22,542	
2	142WB+80.98 to 146WB+34.79	USH 10 WB FILL PLUG	36,978	0	0	0	0	36,978
	179WB+42.00 to 180WB+80.76	EAST ABUTMENTS OF B-70-61 AND B-70-403	8,890	0	0	0	0	8,890
	161FEN+87 to 168FEN+75	BEHIND CURB & GUTTER	0	0	327	0	327	-327
	142FEN+50.01 to 152FEN+91.49	FEN RAMP	126,512	0	10	0	10	126,502
	1323FEN+50.00 to 1336FEN+68.81	FEN RAMP	48,687	0	94	0	94	48,593
	243+50EB to 256+00EB	MIDWAY EARLY FILL	0	0	103,006	0	103,006	-103,006
			221,068	0	103,437	0	103,437	117,632
Stage 2 Subtotal			221,068	0	103,437	0	103,437	117,632
Project 1517-07-77 Total			221,068	0	103,437	0	103,437	125,979

- Excavation Common = Cut + EBS Excavation.
- Cut volume includes concrete and asphaltic surface material.
- EBS Excavation to be backfilled with roadway embankment unless otherwise noted in plans.
- Roadway Embankment = Fill
- The Mass Ordinate: A positive quantity indicates an excess of material and a negative quantity indicates a shortage of material. Mass Ordinate = Cut - Fill. 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. All EBS material is assumed to be wasted offsite. Structure Excavation is not included in this calculation.

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.

PAVEMENT BAR ITEMS

FROM STATION	TO STATION	OFFSET	LOCATION	QUANTITY
168FEN+75	LT	168FEN+75	RT FEN RAMP	22
114FWS+50	LT	114FWS+50	LT FWS RAMP	24
STAGE 2 SUBTOTAL				46
PROJECT 1517-07-77 TOTAL				46

RUMBLE STRIPS

STATION	OFFSET	LOCATION	QUANTITY
181WB+18	RT	USH 10 WB	265
161FEN+75	LT/RT	FEN RAMP	861
128FWS+01	LT/RT	FWS RAMP	724
112FWS+00	LT/RT	FWS RAMP	29
STAGE 2 SUBTOTAL			1,879
PROJECT 1517-07-77 TOTAL			2,521

SURFACE DRAINS

STATION	OFFSET	LOCATION	CY	SY
167FEN+00	RT	FEN RAMP	--	17
136FWS+05	LT	FWS RAMP	4	--
118FWS+67	RT	FWS RAMP	2	--
STAGE 2 SUBTOTAL			6	17
PROJECT 1517-07-77 TOTAL			6	17

BARRIER ITEMS

FROM STATION	TO STATION	OFFSET	ROADWAY	QUANTITY
181WB+02	24.0' RT	183WB+96	24.0' RT	298
181EB+12	24.0' LT	181EB+38	25.2' LT	--
181EB+38	25.2' LT	181EB+49	25.6' LT	--
181EB+49	25.6' LT	181EB+59	26.0' LT	--
181EB+59	26.0' LT	184EB+05	34.0' LT	246
146EB+04	24.0' LT	146EB+29	24.0' LT	25
146EB+29	24.0' LT	146EB+54	24.0' LT	25
PROJECT 1517-07-77 TOTALS				298

INLET COVERS AND DRAINAGE ITEMS FOR CONCRETE SURFACE DRAINS

LOCATION	STR NO.	STATION	OFFSET	LOCATION	ELEV	RIM FLANGE OR FLOWLINE	STR TYP	COVER	STR DEPTH	END WALLS FOR CULVERT	INLET COVERS	INLETS	PIPE UNDERDRAIN	REMARKS
FWS RAMP	411	126FWS+48.10	4.0	RT	750.78	N/A	N/A	HM	N/A	611.0627	611.0654	612.0212	12-INCH UNPERFORATED	A,B
FWS RAMP	421	126FWS+50.00	4.0	RT	747.98	N/A	N/A	HM	N/A	611.0627	611.0654	612.0212	12-INCH UNPERFORATED	A,B
FWS RAMP	422	126FWS+75.14	4.0	RT	748.00	N/A	N/A	HM	N/A	611.0627	611.0654	612.0212	12-INCH UNPERFORATED	A,B
FWS RAMP	423	126FWS+25.07	4.0	RT	747.98	N/A	N/A	HM	N/A	611.0627	611.0654	612.0212	12-INCH UNPERFORATED	A,B
FWS RAMP	434	166FWS+35.51	16.0	LT	749.48	N/A	N/A	HM	N/A	611.0627	611.0654	612.0212	12-INCH UNPERFORATED	A,B
FWS RAMP	CSD1000	118FWS+67.48	6.0	RT	791.83	N/A	IN 2X2-FT	V	3.50	611.0627	611.0654	612.0212	12-INCH UNPERFORATED	A,B
FWS RAMP	N/A	118FWS+64	81	RT	N/A	N/A	N/A	N/A	N/A	611.0627	611.0654	612.0212	12-INCH UNPERFORATED	A,B
FWS RAMP	CSD1010	136FWS+09.72	23.0	LT	772.59	N/A	IN 2X2-FT	V	3.42	611.0627	611.0654	612.0212	12-INCH UNPERFORATED	A,B
FWS RAMP	N/A	135FWS+18	68	LT	N/A	N/A	N/A	N/A	N/A	611.0627	611.0654	612.0212	12-INCH UNPERFORATED	A,B
PROJECT 1517-07-77 TOTAL														

- 1) STRUCTURE DEPTH = RIM ELEVATION - CASTING DEPTH - 6" FOR ADJUSTMENT RINGS - INVERT ELEVATION
- A) STRUCTURES PLACED IN PREVIOUS PROJECT. REMOVE COVER PLATE LEFT IN PLACE.
- B) STATION/OFFSET OF INLETS ARE GIVEN FROM FACE OF CURB AND GUTTER. RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE. SEE CONSTRUCTION DETAIL

Addendum No. 02
ID 1517-07-77
Revised Sheet 143
July 6, 2016

WATER

LOCATION	MGAL	SPV,0120.150 WATERFOR SEEDED AREAS
AGGREGATE COMPACTION	7	--
EARTHWORK COMPACTION	505	--
DUST CONTROL	250	--
SEEDED AREAS	--	1,836
PROJECT 1517-07-77 TOTAL	762	1,836

DELINEATORS

STATION	OFFSET	ROADWAY	633.0500 DELINEATORS REFLECTORS (YELLOW) EACH	633.1000 DELINEATORS BRACKETS EACH
181WB+18 - 183WB+18	25' RT	USH 10 WB/S/TH 441 SB	3	3
136FWN+00 - 146FWN+00	15' RT	FVN RAMP	17	17
119FWS+00 - 141FWS+00	0' RT	FWS RAMP	22	22
PROJECT 1517-07-77 TOTAL			42	42

RIPRAP, SOD & GEOTEXTILE FABRIC

STATION	OFFSET	LOCATION	CY	SOD EROSION CONTROL	645.0120 GEOTEXTILE FABRIC TYPE/HR	NOTE
132WB+15 - 132WB+62	RT	USH 10 WB	20	--	40	
146FEN+25	LT	FEN RAMP	5	6	9	
148FEN+00	LT	FEN RAMP	7	7	13	
166FEN+84	RT	FEN RAMP	5	--	9	
1329FNN+38	RT	FNN RAMP	7	7	13	
1329FNN+94	RT	FNN RAMP	7	6	13	
1338FNN+05	RT	FNN RAMP	5	6	9	
135FWN+18	LT	FVN RAMP	2	--	3	A
118FWS+67	RT	FWS RAMP	2	--	3	A
UNDISTRIBUTED			15	8	28	
PROJECT 1517-07-77 TOTAL			75	40	140	

NOTE

A - PLACE AT CONCRETE SURFACE DRAIN OUTFALL

RESTORATION

STATION	OFFSET	LOCATION	SY	SY	629.0210 FERTILIZER TYPE/B	630.0120 SEEDING MIXTURE NO. 20	630.0200 SEEDING TEMPORARY	REMARKS
131WB+58 - 133WB+50	LT	USH 10 WB	3,359	--	2.1	90	--	
131WB+79 - 133WB+30	RT	USH 10 WB	1,537	--	1.0	42	--	
131WB+50 - 132WB+46	L7/RT	USH 10 WB	777	777	0.4	21	--	
142WB+81 - 146WB+69	RL	USH 10 WB	8,081	1,168	5.1	218	218	
142FEN+50 - 152FEN+92	L7/RT	FEN RAMP	29,652	20,736	18.2	801	801	
1323FNN+50 - 1336FNN+69	L7/RT	FNN RAMP	19,128	15,149	11.9	517	517	
243EB+00 - 256EB+00	RL	MIDWAY EARLY FILL	34,102	--	--	840	840	TOP OF FILL
243EB+00 - 256EB+00	RL	MIDWAY EARLY FILL	6,344	--	--	474	474	SLOPES
PAVED AREAS			264	264	0.2	7	7	
PROJECT 1517-07-77 TOTAL			67,443	62,798	38.9	1,696	1,543	

NOTE

PAVED AREAS - THE FEN, FVN, AND FWS RAMPS WERE CONSTRUCTED UP TO THE TOP OF THE 1 1/4-INCH BASE AGGREGATE DENSE IN PREVIOUS PROJECTS. RESTORATION TOOK PLACE IN THOSE PROJECTS. IT IS ASSUMED RESTORATION WILL BE NEEDED DUE TO CONSTRUCTION ACTIVITIES. AREAS ARE ASSUMED TO BE 5 FEET WIDE PER LENGTH OF PAVEMENT.

MOBILIZATIONS EROSION CONTROL

LOCATION	EACH	628.1905 MOBILIZATIONS EROSION CONTROL	628.1910 MOBILIZATIONS EROSION CONTROL
UNDISTRIBUTED	18	18	11
PROJECT 1517-07-77 TOTAL	18	18	11

Addendum No. 02
ID 1517-07-77
Revised Sheet 145
July 6, 2016

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.

TRAFFIC CONTROL

PROJECT	DURATION DAYS	643.0300	643.0420	643.0705	643.0715	643.0800	643.0900	643.1050	SPV.0045.001	SPV.0060.201	SPV.0060.202	COMMENTS
USH-41 NB	20	125	6	120	4	80	20	400	4	28	-	NB USH 41 FULL CLOSURE
USH-41 SB	20	2,500	6	120	4	80	20	400	4	28	-	SB USH 41 FULL CLOSURE
USH10 EB	5	70	2	10	3	15	13	65	-	-	-	EB USH 10 FULL CLOSURE
USH10 WB	5	70	2	10	3	15	13	65	-	-	-	WB USH 10 FULL CLOSURE
FVN	602	-	-	-	-	-	13	7,826	1	7	-	WB USH 10 TO NB USH 41 FULL CLOSURE
FSE	14	50	4	56	8	112	-	13	182	7	49	SB USH 41 TO EB USH 10 FULL CLOSURE
FWS DETOUR PLANS PENDING	14	50	4	56	8	112	-	13	182	7	49	WB USH 10 TO SB USH 41 FULL CLOSURE
LAKE STREET	16	10	4	64	8	128	-	6	96	8	56	LAKE STREET FULL ROAD CLOSURE
USH41 LANE CLOSURE	80	37	2	160	14	1,120	2	1,360	-	-	60	B-70-401/405/407/409
DETOURS	-	-	-	-	-	-	-	-	-	29	-	-
TOTALS	-	10,220	596	1,022	3,070	350	11,780	1,421	602	29	60	-

TRAFFIC CONTROL LEFT IN PLACE

PROJECT	DURATION DAYS	SPV.0045.202	SPV.0045.203	SPV.0045.204	SPV.0045.205	SPV.0060.200	SPV.0060.203	SPV.0090.200	SPV.0090.201	603.8125	603.8000	COMMENTS
Maintain	148	9,916	4	268	42	2,814	43	2,881	5	6,540	2,800	CONCRETE
Traffic Control	60	4,020	4	268	8	536	15	1,005	6	402	-	CONCRETE
Drums	469	139,762	27	8,046	30	8,940	110	32,780	84	25,032	11	CONCRETE
Left in Place	677	153,698	35	8,582	42	9,744	167	36,599	133	28,315	16	CONCRETE
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 148
 July 6, 2016

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.

BASES, COVERS & JUNCTION BOXES - CONTINUED

CATEGORY	SYSTEM	LOCATION	STATION	INSTALLATION	JUNCTION BOXES	CATEGORY	SYSTEM	LOCATION	STATION	INSTALLATION	Inch		EACH	EACH	EACH	EACH	EACH		
											18X12X6-	7							
1100	RAMP FWN	SLB01	STA 153+05	STR	-	-	B-70-61	LJB01	STA 146+30	EMBEDDED	STR	-	-	-	-	-	-		
		SLB02	STA 150+41	STR	-	-	SW PARAPET	LJB02	STA 147+75	EMBEDDED	STR	-	-	-	-	-	-		
		SLB03	STA 147+50	STR	-	-	RAMP FWN	LJB03	STA 146+15	EMBEDDED	STR	-	-	-	-	-	-		
		SLB04	STA 145+25	STR	-	-		LJB04	STA 144+00	EMBEDDED	STR	-	-	-	-	-	-		
		SLB05	STA 143+00	STR	-	-		LJB05	STA 141+90	EMBEDDED	STR	-	-	-	-	-	-		
		SLB06	STA 140+75	STR	-	-		LJB06	STA 139+75	EMBEDDED	STR	-	-	-	-	-	-		
		SLB07	STA 138+50	STR	-	-	RAMP FWS	LJB07	STA 136+60	EMBEDDED	STR	-	-	-	-	-	-		
		SLB08	STA 149+00	STR	-	-		LJB08	STA 145+00	EMBEDDED	STR	-	-	-	-	-	-		
		SLB09	STA 146+50	STR	-	-		LJB09	STA 142+70	EMBEDDED	STR	-	-	-	-	-	-		
		SLB10	STA 143+80	STR	-	-	441 WB	LJB10	STA 146+30	EMBEDDED	STR	-	-	-	-	-	-		
		SLB11	STA 141+50	STR	-	-		LJB11	STA 143+75	EMBEDDED	STR	-	-	-	-	-	-		
		SLB12	STA 139+50	STR	-	-		LJB12	STA 146+35	ATTACHED	STR	1	-	-	-	-	-		
		SLB13	STA 137+50	STR	-	-		LJB13	STA 146+35	ATTACHED	STR	1	-	-	-	-	-		
		SLB14	STA 135+50	STR	-	-		LJB14	STA 146+35	ATTACHED	STR	1	-	-	-	-	-		
		SLB15	STA 133+50	STR	-	-		LJB15	STA 146+20	ATTACHED	STR	1	-	-	-	-	-		
		SLB16	STA 131+50	STR	-	-		LJB16	STA 148+92	EMBEDDED	STR	-	-	-	-	-	-		
		SLB17	STA 129+50	STR	-	-		LJB17	STA 151+75	EMBEDDED	STR	-	-	-	-	-	-		
		SLB18	STA 127+50	STR	-	-		LJB18	STA 154+50	EMBEDDED	STR	-	-	-	-	-	-		
		SLB19	STA 125+50	STR	-	-		LJB19	STA 155+96	EMBEDDED	STR	-	-	-	-	-	-		
		SLB20	STA 123+50	STR	-	-		LJB20	STA 157+74	EMBEDDED	STR	-	-	-	-	-	-		
		SLB21	STA 121+50	STR	-	-		LJB21	STA 159+52	EMBEDDED	STR	-	-	-	-	-	-		
		SLB22	STA 119+50	STR	-	-		LJB22	STA 161+30	EMBEDDED	STR	-	-	-	-	-	-		
		SLB23	STA 117+50	STR	-	-		LJB23	STA 163+52	EMBEDDED	STR	-	-	-	-	-	-		
		SLB24	STA 115+60	FWS	1	-		LJB24	STA 164+61	EMBEDDED	STR	-	-	-	-	-	-		
		SLB25	STA 114+91	STR	-	-		LJB25	STA 165+80	EMBEDDED	STR	-	-	-	-	-	-		
		SLB26	STA 142+40	STR	-	-		LJB26	STA 167+34	EMBEDDED	STR	-	-	-	-	-	-		
		SLB27	STA 140+75	STR	-	-		LJB27	STA 168+90	EMBEDDED	STR	-	-	-	-	-	-		
		SLB28	STA 138+75	STR	-	-		LJB28	STA 170+67	EMBEDDED	STR	-	-	-	-	-	-		
		SLB29	STA 136+75	STR	-	-		LJB29	STA 172+45	EMBEDDED	STR	-	-	-	-	-	-		
		SLB30	STA 134+75	STR	-	-		LJB30	STA 174+22	EMBEDDED	STR	-	-	-	-	-	-		
		SLB31	STA 132+75	STR	-	-		LJB31	STA 176+13	EMBEDDED	STR	-	-	-	-	-	-		
		SLB32	STA 181+31	MEDIAN	-	-		LJB32	STA 178+04	EMBEDDED	STR	-	-	-	-	-	-		
		SLB33	STA 183+79	MEDIAN	-	-		LJB33	STA 179+98	EMBEDDED	STR	-	-	-	-	-	-		
		10/441 WB			2	-													
		B-70-61 TO TAVCO			0	2													
SUBTOTAL											0	2	0	0	0	0	0	0	2
PROJECT TOTAL											0	2	0	0	0	0	0	0	2

Addendum No. 02
ID 1517-07-77
Revised Sheet 150
July 6, 2016

PULL BOXES

CATEGORY	DESCRIPTION	STATION	OFFSET	SPV. 0060.352 PULL BOX NON- CONDUCTIVE 24X42- INCH EACH
1100	LPB01	STA 146+40	6.00	RT
	LPB02	STA 136+05	31.00	LT
	LPB03	STA 132+25	27.00	LT
	LPB04	STA 118+67	15.00	RT
PROJECT TOTAL				4

NAVIGATION LIGHTING

SYSTEM	DESCRIPTION	STATION	CATEGORY
WIS 441 LIGHTING - CONTRACT 1517-07-77			2010
	NAVIGATION LIGHTING		SPV 0105.350
			NAVIGATION LIGHTING B-70-61
			LS
B-70-61	CHANNEL NAVIGATION LIGHTING	STA 163+00 to STA 184+00	1
TOTAL			1

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.

3

3

CONDUIT - CONTINUED

CONDUIT

CATEGORY	SYSTEM	POLE	FROM	TO	# OF CONDUITS	652_0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH			652_0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH			652_0405 CONDUIT REINFORCED THERMOSETTING RESIN 2-INCH						
						LF	LF	LF	LF	LF	LF	LF	LF	LF	LF			
						# OF CONDUITS	POLE	FROM	TO	# OF CONDUITS	POLE	FROM	TO	# OF CONDUITS	POLE	FROM	TO	
1100	B-70-61 North Parapet	ELPB09	STA 1336+10	ELPB10	STA 1340+20	1												
		ELPB10	STA 1340+20	ELPB11	STA 146+45	1												
		ELPB11	STA 146+45	LJB01	STA 146+40	1												
		LPB01	STA 146+40	LJB02	STA 146+35	1	10	EXISTING										
		LJB12	STA 146+35	LJB15	STA 146+20	1	32											
		LJB15	STA 146+20	LJB03	STA 146+15	1	95											
		LJB03	STA 146+15	LJB04	STA 146+10	1	13											
		LJB04	STA 146+10	LJB09	STA 147+50	1												
		LJB09	STA 147+50	LJB16	STA 148+92	1												
		LJB16	STA 148+92	LJB02	STA 150+41	1												
		LJB02	STA 150+41	LJB17	STA 151+75	1												
		LJB17	STA 151+75	SLB01	STA 159+05	1												
		SLB01	STA 159+05	ELPB01	STA 181+25	1												
	MEDIAN	ELPB05	STA 181+22	SLB30	STA 181+31	1	10											
	B-70-61 Co Tayco	SLB30	STA 181+31	SLB31	STA 183+79	1	251											
		SLB31	STA 183+79	ELPB06	STA 183+85	1	10											
	B-70-406	LPB01	STA 146+40	LJB12	STA 146+35	1	10											
		LJB12	STA 146+35	LJB15	STA 146+20	1												
		LJB15	STA 146+20	LJB03	STA 146+15	1												
		LJB03	STA 146+15	LJB04	STA 145+25	1												
		SLB04	STA 145+25	LJB04	STA 144+00	1												
		LJB04	STA 144+00	SLB05	STA 143+00	1												
		SLB05	STA 143+00	LJB05	STA 141+90	1												
		LJB05	STA 141+90	SLB06	STA 140+75	1												
		SLB06	STA 140+75	LJB06	STA 139+75	1												
		LJB06	STA 139+75	SLB07	STA 138+50	1												
		SLB07	STA 138+50	LJB07	STA 136+60	1												
		LJB07	STA 136+60	LPB02	STA 136+05	1												
	USH 10 WB	LPB02	STA 136+05	LPB01	STA 146+40	1	60											
	B-70-401	LPB01	STA 146+40	LJB12	STA 146+35	1												
		LJB12	STA 146+35	LJB13	STA 146+35	1												
		LJB13	STA 146+35	LJB14	STA 146+35	1	62											
		LJB14	STA 146+35	LJB10	STA 146+30	1												
		LJB10	STA 146+30	SLB23	STA 144+91	1	13											
		SLB23	STA 144+91	LJB11	STA 143+75	1												
		LJB11	STA 143+75	SLB24	STA 142+40	1												
		SLB24	STA 142+40	SLB25	STA 140+75	1												
		SLB25	STA 140+75	SLB26	STA 138+75	1												
		SLB26	STA 138+75	SLB27	STA 136+75	1												
		SLB27	STA 136+75	SLB28	STA 134+75	1												
		SLB28	STA 134+75	SLB29	STA 132+75	1												
		SLB29	STA 132+75	LPB03	STA 132+25	1												
		LPB03	STA 132+25				291											
							525											
							360											
	SUBTOTAL						619											
	PROJECT TOTAL						585											

Addendum No. 02
ID 1517-07-77
Revised Sheet 151
July 6, 2016

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.

ORIGINATOR: JESSICA MEDAUGH PLOTTED DATE: 6/27/2016 8:42 AM

ITS CCTV ITEMS

672.0250	677.0100	SPV.0060.400	SPV.0060.401	SPV.0060.402	SPV.0060.403	SPV.0060.405
BASE CAMERA POLE 50 FT	INSTALL CAMERA POLE	REMOVE AND RELOCATE CAMERA ASSEMBLY	REMOVE AND RELOCATE ETHERNET SWITCH	REMOVE AND RELOCATE VIDEO ENCODER	REMOVE AND RELOCATE RADIO LINK	REMOVE AND RELOCATE POLE MOUNTED CABINET
STATION	ITEM ID	EACH	EACH	EACH	EACH	EACH
		1	1	1	4	1
TOTALS		1	1	1	4	1

ITS PULL BOX, COMMUNICATION VAULT AND WOOD POLE

653.0145	673.0105	SPV.0060.404	
PULL BOXES STEEL 24X48-INCH EACH	COMMUNICATION VAULT TYPE 1 EACH	REMOVE WOOD POLE EACH	
STATION	LOCATION	ITEM ID	EACH
	LT	PB-E5	1
	LT		1
	LT	CV-38	1
	LT	PB-E6	1
TOTAL			2

ITS CONDUIT ITEMS

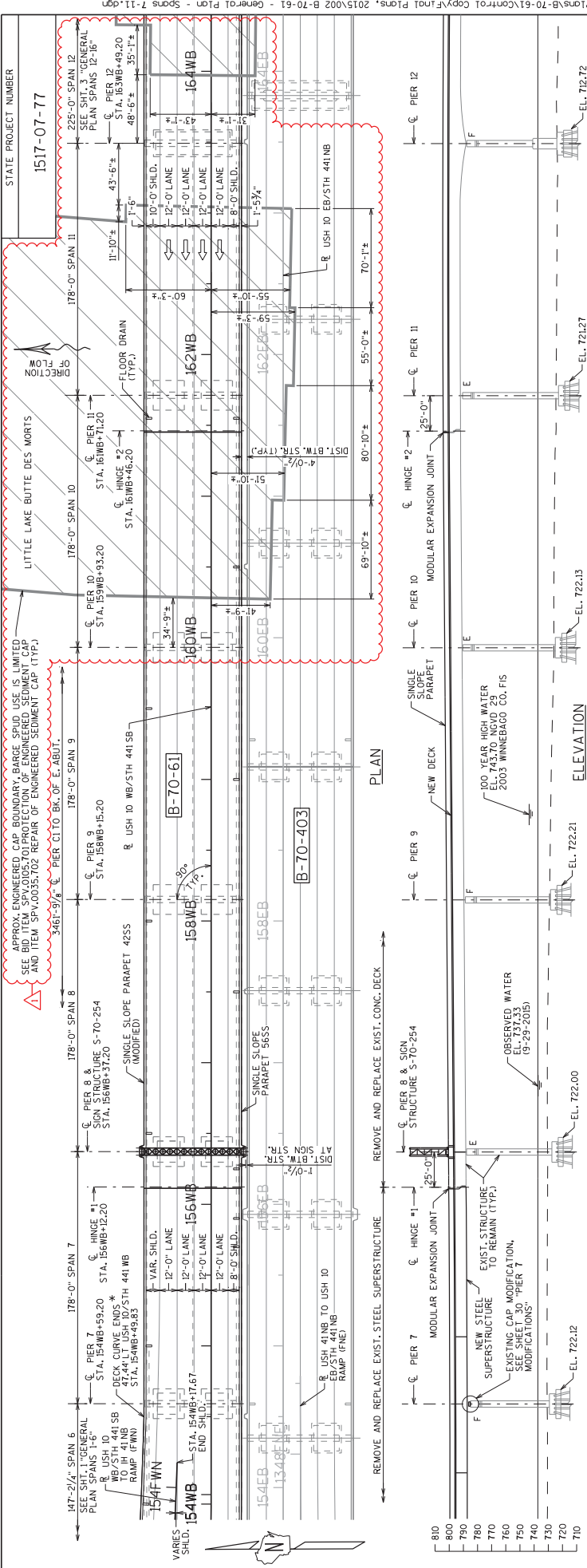
652.0225	671.0222		
CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	CONDUIT HDPE DIRECTIONAL BORE 2-INCH 2-INCH		
FROM	TO	LINEAR DISTANCE	NO. OF CONDUIT
CATEGORY 1200			
CCTV -70-0092	PB-E5	115	2
	PB-E6	80	1
CV-38/PB-E6/PB-	PB-9A/PB-39A/CV-	150	5
TOTALS			980

ITS CABLE ITEMS

CATEGORY 1200		ELECTRICAL SERVICE		ELECTRICAL SERVICE		ELECTRICAL SERVICE		ELECTRICAL SERVICE		ELECTRICAL SERVICE		ELECTRICAL SERVICE		ELECTRICAL SERVICE	
FROM	TO	LINEAR DIST.	VERT. DIST.	WIRE LIGHTING	WIRE LIGHTING	WIRE LIGHTING	WIRE LIGHTING	WIRE LIGHTING	WIRE LIGHTING	WIRE LIGHTING	WIRE LIGHTING	WIRE LIGHTING	WIRE LIGHTING	WIRE LIGHTING	WIRE LIGHTING
		8 AWG	6 AWG	8 AWG	6 AWG	8 AWG	6 AWG	8 AWG	6 AWG	8 AWG	6 AWG	8 AWG	6 AWG	8 AWG	6 AWG
PB-E16	PB-E15	5		1		3		30		35		105		140	
PB-E15	PB-E14	20		1		3		6		26		78		104	
PB-E14	PB-E13	225		1		3		6		231		693		924	
PB-E13	PB-E12	125		1		3		6		131		393		524	
PB-E12	PB-E11	210		1		3		6		216		648		864	
PB-E11	PB-E10	250		1		3		6		256		768		1024	
PB-E10	PB-E9	240		1		3		6		246		738		984	
PB-E9	PB-E8A	184		1		3		6		190		570		760	
PB-E8A	PB-E6	235		1		3		6		241		723		964	
PB-E6	PB-E5	150		1		3		6		156		468		624	
PB-E5	CCTV -70-0092	115		1		3		6		121		363		484	
		80	16	1		3		30		126		378		504	
TOTAL										1,975		5,925		7,900	

Addendum No. 02
ID 1517-07-77
Revised Sheet 173
July 6, 2016

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.



LIST OF DRAWINGS

- 1 GENERAL PLAN SPANS 1-6
- 2 GENERAL PLAN SPANS 7-11
- 3 GENERAL PLAN SPANS 12-16
- 4 GENERAL PLAN SPANS 17-21
- 5 GENERAL NOTES
- 6 ESTIMATED QUANTITIES
- 7 CROSS SECTIONS AT PIERS C1 AND 2
- 8 CROSS SECTIONS AT SPANS 6 & 7 AND AT FIELD SPLICES
- 9 CROSS SECTIONS AT F.S. 24 TO 27 SPANS 17 & 18
- 10 CROSS SECTIONS AT F.S. 24 TO 27 SPANS 17 & 18
- 11 ALIGNMENT & SUPERELEVATION - 2 OF 2
- 12 SUBSURFACE EXPLORATION
- 13 SUBSURFACE EXPLORATION
- 14 SUBSURFACE EXPLORATION
- 15 STRUCTURE REMOVAL PLAN & ELEVATION - SPANS 1-6
- 16 STRUCTURE REMOVAL PLAN & ELEVATION - SPANS 7-12
- 17 EAST ABUTMENT PLAN & ELEVATION - SPANS 15-18
- 18 EAST ABUTMENT PLAN & ELEVATION
- 19 EAST ABUTMENT LAYOUT
- 20 EAST ABUTMENT SECTIONS
- 21 EAST ABUTMENT WINDOWALL
- 22 EAST ABUTMENT DETAILS
- 23 PIER C1 GEOMETRY
- 24 PIER C1 GEOMETRY
- 25 PIER 3 GEOMETRY
- 26 PIER 4 GEOMETRY
- 27 PIER 5 GEOMETRY
- 28 PIER 6 GEOMETRY
- 29 PIER 7 GEOMETRY
- 30 PIER 8 GEOMETRY
- 31 PIER 9 GEOMETRY
- 32 PIER 10 GEOMETRY
- 33 PIER 20 DETAILS
- 34 PIER 20 BILL OF BARS
- 35 PIER FOOTINGS
- 36 SHAFT REINFORCING - PIER C1
- 37 SHAFT REINFORCING - PIER 2
- 38 SHAFT REINFORCING - PIERS 3-5
- 39 SHAFT REINFORCING - PIER 6
- 40 SHAFT REINFORCING - PIERS 7-12
- 41 CAP REINFORCING - PIER C1
- 42 CAP REINFORCING - PIER 2
- 43 CAP REINFORCING - PIER 3
- 44 CAP REINFORCING - PIER 4
- 45 CAP REINFORCING - PIER 5
- 46 CAP REINFORCING - PIER 6
- 47 CAP REINFORCING - PIER 7
- 48 CAP REINFORCING - PIER 8
- 49 STEEL BEARINGS FOR PRESTRESSED GIRDERS
- 50 EXPANSION AND FIXED BEARINGS FOR STEEL GIRDERS
- 51 72W PRESTRESSED GIRDER DETAILS - 1 OF 2
- 52 72W PRESTRESSED GIRDER DETAILS - 2 OF 2
- 53 72W PRESTRESSED GIRDER DIAPHRAGM DETAILS - 1 OF 2
- 54 72W PRESTRESSED GIRDER DIAPHRAGM DETAILS - 2 OF 2
- 55 INTERMEDIATE STEEL DIAPHRAGM FOR PRESTRESSED GIRDERS
- 56 LAYOUT LINE OFFSETS - SPANS 1-6
- 57 LAYOUT LINE OFFSETS - SPANS 7-22
- 58 FRAMING PLAN - SPANS 1-5
- 59 FRAMING PLAN - SPANS 6 AND 7
- 60 FRAMING PLAN - SPANS 8 AND 9
- 61 FRAMING PLAN - SPANS 10 AND 21
- 62 PLATE GIRDER DETAILS
- 63 STEEL GIRDER CROSS FRAME DETAILS 1 OF 2
- 64 STEEL GIRDER CROSS FRAME DETAILS 2 OF 2
- 65 HEADER GIRDER DETAILS
- 66 FIELD SPUR GIRDER DETAILS 1 OF 3
- 67 FIELD SPUR GIRDER DETAILS 2 OF 3
- 68 STEEL GIRDER DEFLECTIONS 3 OF 3
- 69 STEEL GIRDER DEFLECTIONS 3 OF 3
- 70 CAMBER DIAGRAM - SPANS 6 AND 7
- 71 CAMBER DIAGRAM - SPANS 18 TO 21
- 72 EXISTING FRAMING PLAN
- 73 STRUCTURAL STEEL REPAIRS
- 74 PIN AND HANGER DETAILS
- 75 DECK REINFORCING PLAN - SPANS 1-5
- 76 DECK REINFORCING PLAN - SPANS 6 TO 10
- 77 DECK REINFORCING PLAN - SPANS 10-13
- 78 DECK REINFORCING PLAN - SPANS 14-17
- 79 DECK REINFORCING PLAN - SPANS 18-21
- 80 DECK REINFORCING SECTIONS - SPANS 1-5
- 81 DECK REINFORCING SECTIONS - SPANS 6-21
- 82 DECK REINFORCING DETAILS
- 83 DECK REINFORCING DETAILS
- 84 DECK POUR SEQUENCE - SPANS 1-9
- 85 DECK POUR SEQUENCE - SPANS 10-15
- 86 DECK POUR SEQUENCE - SPANS 16-21
- 87 TOP OF DECK ELEVATIONS - SPANS 1 TO 5
- 88 TOP OF DECK ELEVATIONS - SPANS 6 TO 10
- 89 TOP OF DECK ELEVATIONS - SPANS 11 TO 21
- 90 TOP OF DECK ELEVATIONS - SPANS 17 TO 21
- 91 STRUCTURAL APPROACH SLAB DETAILS E.A.BUT.
- 92 MODULAR EXP. JOINT DETAILS PIERS C1 & 6
- 93 MODULAR EXP. JOINT AT HINGES 1-4 & E.A.BUT.
- 94 MODULAR EXPANSION JOINT DATA
- 95 COVER PLATES FOR PARAPET 4255
- 96 FLOOR DRAIN TYPE 'CG'
- 97 FLOOR DRAIN TYPE 'CG'
- 98 FLOOR DRAIN TYPE 'WF'
- 99 SINGLE SLOPE PARAPET 4255 AT E.A.BUT.
- 100 SINGLE SLOPE PARAPET 5655 AT E.A.BUT.
- 101 MEDIAN CRASH BARRIER DETAILS
- 102 EXPANSION FITTINGS FOR SS PARAPETS
- 103 SIGN STRUCTURE ANCHORAGE BRACKET DETAILS AT PIERS 8 & 20
- 104 SIGN STRUCTURE ANCHORAGE BRACKET DETAILS AT PIERS 8 & 20
- 105 SIGN STRUCTURE ANCHORAGE BILL OF BARS
- 106 LIGHT STD. & JUNCTION BOX FOR 4255-PARAPET
- 107 LIGHT STD. & JUNCTION BOX FOR 5655-PARAPET
- 108 AESTHETIC DETAILS
- 109 ALTERNATE CONSTRUCTION JOINT

William C. Decker
07/06/16



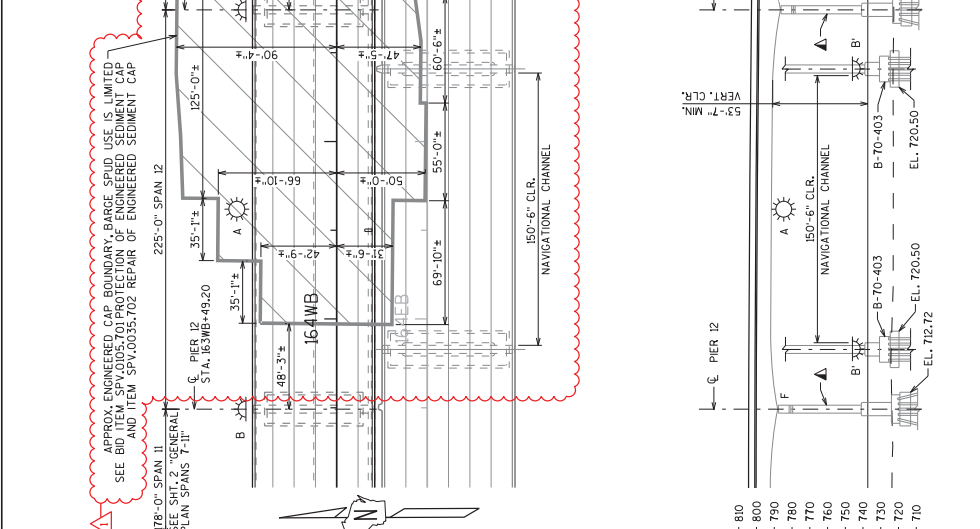
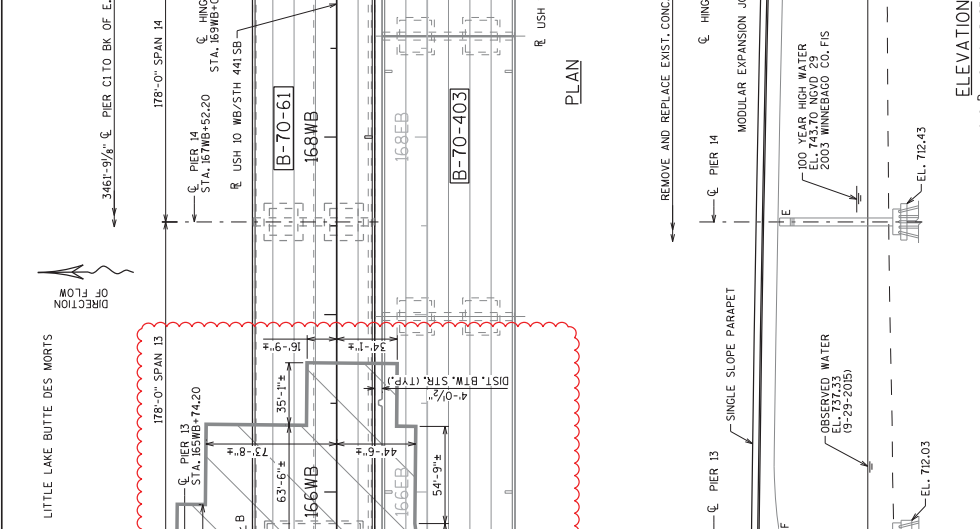
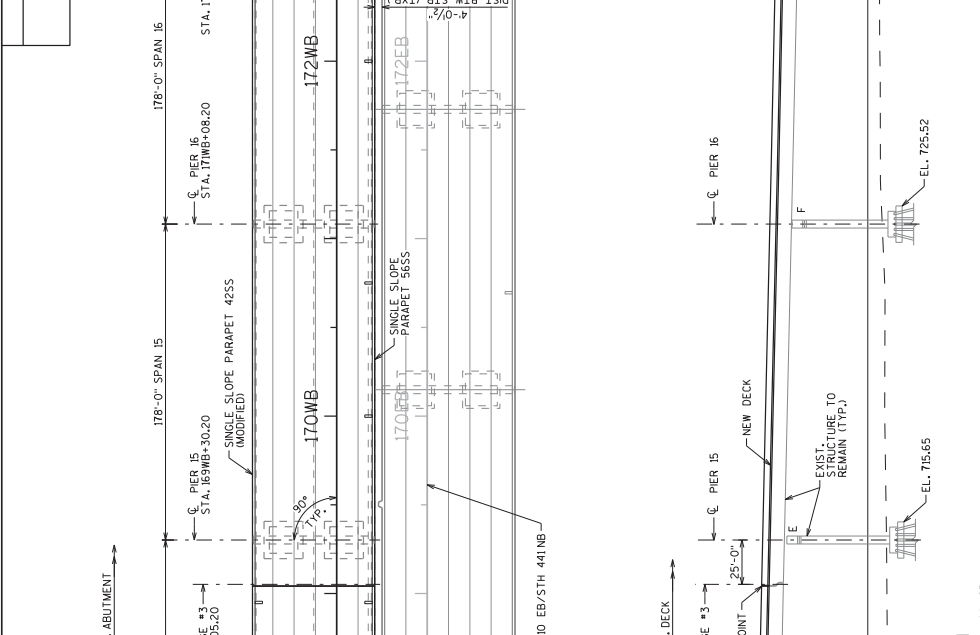
Addendum No. 02
ID 1517-07-77
Revised Sheet 309
July 6, 2016

NOTES:
FOR DESIGN DATA AND NOTES SEE SHEET 1
"GENERAL PLAN SPANS 1-6"
* DECK CURVE STATIONS AND OFFSETS ARE MEASURED TO THE EDGE OF DECK.

NO.	DATE	REVISION	PROTECTION OF SEDIMENT CAP	PSK
1	7-1-16			

STATE OF WISCONSIN	
DEPARTMENT OF TRANSPORTATION	
STRUCTURE B-70-61	
DESIGN BY	PSK
CHECKED BY	NPP
GENERAL PLAN	
SPANS 7-11	
SHEET 2 OF 109	
309	

STATE PROJECT NUMBER
1517-07-77



NO.	DATE	REVISION	PROTECTION OF SEDIMENT CAP	PSK
1	7-1-16			

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-70-61

GENERAL PLAN
SPANS 12-16

SHEET 3 OF 109

310



William C. Decker
SDR
07/06/16

Addendum No. 02
ID 1517-07-77
Revised Sheet 310
July 6, 2016

GENERAL NOTES:

DO NOT SCALE THE DRAWINGS.
 ALL DIMENSIONS ARE IN SURVEY FEET AND SURVEY INCHES. ALL STATIONS ARE IN SURVEY FEET.
 ELEVATIONS ON THIS PLAN ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
 JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M33, TYPE 1, I, OR IIR M213.

THE EXISTING GROUND LINE AND 2'-0" BELOW IS OBSOLETE LINE IS THE UPPER LIMIT OF EXCAVATION FOR STRUCTURES.
 ALL EXISTING AND REMAINING UTILITIES SHALL BE IDENTIFIED AND DELETED FROM THE CONSTRUCTION AND DISPOSAL OF CONTAMINATED SEDIMENT SHALL BE INCLUDED IN BID ITEM SPV.0035.101 EXCAVATION, HAULING AND DISPOSAL OF CONTAMINATED SEDIMENT.
 THE COST OF WORK TO PREVENT DAMAGE TO THE SEDIMENT CAP IS INCLUDED IN THE BID ITEM SPV.0035.101 PROTECTION OF ENGINEERED SEDIMENT CAP.
 ALL EXCAVATED VOLUME NOT OCCUPIED BY NEW STRUCTURE WITH BACKFILL STRUCTURE.

DESIGN CONSIDERED POLYMER OVERLAY. DEAD LOAD, HOWEVER POLYMER OVERLAY WILL BE APPLIED LATER UNDER A SEPARATE CONTRACT.
 ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CURT EDGES ARE SMOOTH AND TRUE.
 THE SLOPE OF THE FILL IN FRONT OF THE EAST ABUTMENT AND WEST SHORE LINE SHALL BE COVERED WITH SLOPESTAVING AND HEAVY REPAIR MATERIAL TO THE EXTENT SHOWN ON SHEETS 1 GENERAL PLAN SPANS 1-9 AND 4 GENERAL PLAN SPANS 11-21.

DIMENSIONS FOR EXISTING STRUCTURE ARE BASED ON THE ORIGINAL PLANS.
 ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1 INCH DEEP SAW CUT.
 THE EXISTING STRUCTURE TO BE PARTIALLY REMOVED IS A 18-SPAN STEEL GIRDERS BRIDGE WITH OVERLAY VARYING FROM 65" TO 87" 3/4" AND AN OVERALL LENGTH OF 3232'-8". REMOVE EXISTING DECK AND GIRDERS AS SHOWN. PROVIDE NEW DECK, PARAPETS, PIERS, GIRDERS AND ABUTMENT AS SHOWN.

VARIATIONS TO THE NEW GRADE LINE OVER 1/2" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURAL ENGINEER FOR REVIEW.
 MAKE ALL STEEL DIAPHRAGM FIELD CONNECTIONS IN PRESTRESSED CONCRETE GIRDERS SPANS WITH 3/4" DIAMETER FRICTION TYPE A325 HIGH-TENSILE STRENGTH BOLTS UNLESS SHOWN OR NOTED OTHERWISE.
 MONITOR SAW CUTTING OF EXISTING BRIDGE DECK AND BLADE DEPTH SO THAT EXISTING UNDERLYING STEEL IS NOT DAMAGED. EXERCISE CARE NOT TO COUPE THE TOP FLANGES WITH JACKHAMMER OR OTHER TOOLS.

BEFORE SAW CUTTING THE CONCRETE DECK, ACCURATELY MARK ALL STEEL FRAMING ON TOP OF THE DECK BY DRILLING HOLES FROM BELOW OR USING AN EQUIVALENT METHOD TO IDENTIFY THE LOCATION OF STEEL. THE ENDING STEEL TO REMAIN WILL NOT BE DAMAGED DURING SAW CUTTING.
 THE EXISTING STRUCTURE PLANS ARE AVAILABLE FOR CONTRACTORS REVIEW AT THE WISDOT EXTRANET WEB SITE FOR HIGHWAY STRUCTURES INFORMATION SYSTEM.

REPAIR ANY STEEL COMPONENTS DAMAGED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT.
 EXPANSION JOINT ASSEMBLIES INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE PAID IN THE LUMP SUM PRICE BID AS EXPANSION DEVICE MODULAR B-10-61.

THE QUANTITY FOR BACKFILL STRUCTURE, BID ITEM 200.0000, IS CALCULATED BASED ON TRANSPORTATION BRIDGE MANUAL.
 AT PIERS 4, 5 AND 6 OVEREXCAVATION OF 3'-0" BELOW THE BOTTOM OF CONCRETE SEAL IS INCLUDED IN THE COST OF THE STONE FILL IS INCLUDED IN THE BID PRICE OF "CONCRETE MASONRY SEAL".
 FURNISH AND INSTALL NEW NAME PLATE PER SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

AN OPTIONAL LONGITUDINAL CONSTRUCTION JOINT IS PROVIDED IN THE CONCRETE DECK. SEE SHEET 84 "DECK POUR SEQUENCE SPANS 1-9" FOR DETAILS.

REINFORCING STEEL

ALL REINFORCING BARS ARE ENGLISH AND THE FIRST OR THE FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE.
 REINFORCING STEEL SHALL BE HIGH STRENGTH, GRADE 60 WITH Fy=60 KSI. AT REINFORCEMENT CONFORMING TO ASTM A995, GRADE 60 REQUIREMENTS.

USE UNCOATED REINFORCING STEEL IN PIERS AND ABUTMENT FOOTING EXCEPT AT REINFORCING DOWN TO THE TOP OF FOOTING. USE EPOXY COATED AT ABUTMENT ABOVE THE FOOTING AND SUPERSTRUCTURES.
 PLACE ALL REINFORCEMENT WITH A MINIMUM CLEAR COVER OF 2" UNLESS NOTED OTHERWISE.
 PLACE REINFORCEMENT IN FOOTINGS AND PILE CAPS WITH A MINIMUM CLEAR COVER OF 3" BOTTOM AND 2" TOP AND SIDES UNLESS NOTED OTHERWISE.
 PLACE TOP LAYER OF REINFORCING STEEL IN THE DECK SURFACE WITH 2 1/2" CLEAR COVER TO TOP OF SLAB.
 PLACE BOTTOM LAYER OF REINFORCING STEEL IN THE DECK WITH 1/2" CLEAR COVER TO BOTTOM OF SLAB.

ONLY REINFORCEMENT REQUIRED BY DESIGN IS SHOWN EXPLICITLY ON THE DRAWINGS. ALL REINFORCEMENT SHALL BE INSTALLED ASSEMBLY AND ERECTION OF THE REINFORCING STEEL AND MAY BE REQUIRED TO ENSURE STABILITY AND POSITIONING OF THE COMPLETED REINFORCEMENT CASE.
 REINFORCEMENT IN ADDITION TO THAT SHOWN WILL NOT BE INCLUDED FOR PAYMENT.
 LAP SPICE LENGTHS SHALL BE CLASS C UNLESS NOTED OTHERWISE.
 BAR CHAIRS FOR REINFORCING WITH OPENINGS LESS THAN 2" IN WIDTH ARE NOT ACCEPTABLE AND ARE NOT ALLOWED IN ANY APPLICATIONS, EXCEPT FOR THE REINFORCEMENT OF CONCRETE. BAR CHAIRS SHALL BE INSTALLED TO PREVENT INDUCING PERMANENT DEFORMATIONS OR BREAKING.

THE BAR SPLICES AT THE OPTIONAL KEYED CONSTRUCTION JOINTS MAY BE ELIMINATED WHETHER OR NOT THE JOINT IS UTILIZED. PAYMENT WILL BE FOR THE ACTUAL BARS INSTALLED.

STRUCTURAL STEEL

PROVIDE ANCHOR RODS, NUTS AND WASHERS CONFORMING TO ASTM F1554 (GRADE 105) AND HOT-DIP GALVANIZE IN ACCORDANCE WITH AASHTO M232.
 PROVIDE HIGH STRENGTH STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF A.S.I.M. A709 GRADE 50 FOR ALL OTHER STEEL. STEEL STIFFENERS AND SPLICE PLATES, PROVIDE ALL OTHER STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF A.S.I.M. A709 GRADE 50.

MAKE ALL STRUCTURAL STEEL FIELD CONNECTIONS WITH 3/4" DIAMETER A325 HIGH-TENSILE STRENGTH BOLTS UNLESS SHOWN OR NOTED OTHERWISE.

CONCRETE

CONCRETE QUANTITY IN THE HANDRELS IS CALCULATED BASED ON AN ASSUMED CONCRETE CURVE FOR ALL SPANS. FOR SPANS 6, 7 AND 8, THE QUANTITY FOR NEW STEEL GIRDERS (SPANS 6, 7 AND 8) THROUGH 2 1/2" AND 5" FOR EXISTING STEEL GIRDERS (SPANS 8 THROUGH 17), MEASURED FROM TOP OF FLANGE TO TOP OF DECK SURFACE. THIS IS THE MAXIMUM HUNDRED QUANTITY FOR WHICH PAYMENT WILL BE MADE.
 CHAMFER ALL EXPOSED OUTSIDE CORNERS 3/4" UNLESS NOTED OTHERWISE.
 APPLY PIGMENTED SURFACE SEALER TO INSIDE OF ALL PARAPETS, TOP OF ALL PARAPETS, AND OUTSIDE OF 5655 PARAPET.
 CONCRETE FOR PIERS 5 AND 6 DIAPHRAGMS SHALL BE PLACED WITH THE DECK AND 6 DIAPHRAGMS.
 NO OPTIONAL CONSTRUCTION JOINT WILL BE PERMITTED AT PIERS C1 AND 6 DIAPHRAGMS.

OPTIONAL CONSTRUCTION JOINT IS PERMITTED AT THE PIERS 2 THROUGH 5 DIAPHRAGMS. IF CONSTRUCTION JOINT IS USED, THE DECK FOUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE PIER DIAPHRAGM POUR.

OTHER DESIGN LOADS

TEMPERATURE CHANGE FOR DETERMINING THERMAL FORCES ON SUBSTRUCTURES = +90°F. (FOR CONCRETE SUPERSTRUCTURE)
 DESIGN ASSUMED 7.5 PSF FOR TEMPORARY FORMWORK.
 PARAPETS WERE ASSIGNED TO WEIGH 774 PLF AND 638 PLF FOR 5655 AND 4255 MODIFIED SECTIONS RESPECTIVELY.
 ALL OTHER LOADS IN ACCORDANCE WITH AASHTO.

DESIGN CRITERIA

DESIGN FOR THE NEW STRUCTURE IS IN ACCORDANCE WITH AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LFD BRIDGE DESIGN SPECIFICATIONS. THE DESIGN OF THE EXISTING STRUCTURE IS IN ACCORDANCE WITH ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO), 11TH EDITION LFD AND THE WISDOT BRIDGE MANUAL.
 ALL DETAILS, MATERIALS, AND FABRICATION SHALL CONFORM TO THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. THE MOST RECENT EDITION OF THE STANDARD SPECIFICATIONS AT THE TIME OF CONSTRUCTION.
 LIVE LOAD PLUS DYNAMIC LOAD DEFLECTION LIMIT = SPAN / 800 (HL93).

TABLE OF FILLET WELD SIZES

MATERIAL THICKNESS OF THE THICKER PART JOINED	MINIMUM SIZE OF FILLET WELD
TO 1/2" INCLUSIVE	3/8"
OVER 1/2" TO 3/4"	1/2"
OVER 3/4" TO 1 1/4"	5/8"
OVER 1 1/4" TO 2 1/4"	3/4"
OVER 2 1/4"	7/8"

WELD SIZE SHALL NOT EXCEED THE THICKNESS OF THE THINNER PART JOINED.
 MINIMUM WELD SIZES SHOWN SHALL BE USED WHEN A SIZE IS NOT OTHERWISE SPECIFIED.
 △ MIN. PASS SIZE IS 3/8"

**Addendum No. 02
 ID 1517-07-77
 Revised Sheet 312
 July 6, 2016**

NO.	DATE	REVISIONS	KMP
1	7-1-16	BY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-70-61			
DRAWN BY PSK CHECKED BY NPP			
SHEET 5 OF 109			
GENERAL NOTES 312			

William C. Decker
 07/06/16



STATE PROJECT NUMBER
 1517-07-77

STATE PROJECT NUMBER
1517-07-77

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	SUPER SPANS 1-21	PIER C1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	PIER 7	PIER 19	PIER 20	PIER 21	E. ABUT.	E. APPR. SLAB	TOTALS
203.0600.5.700	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. H7WB+54.00	LS														1
204.9185.5.700	REMOVING TEMPORARY SHORING LEFT IN PLACE	SF						440						440		440
206.1000.700	EXCAVATION FOR STRUCTURES BRIDGES B-70-61	LS														1
206.5000.700	COFFERDAMS B-70-61	LS														1
210.0100	BACKFILL STRUCTURE	CY												614		614
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON												236		236
501.0100.S	ICE HOT WEATHER CONCRETING	LB	97,825													97,825
501.0100.S	CONCRETE MASONRY SEAL	CY					210.0	210.0								420.0
502.3100.S.700	EXPANSION DEVICE MODULAR B-70-61	LS	1													1
502.3200	PROTECTIVE SURFACE TREATMENT	SY	26,550													26,550
502.3300	PROTECTIVE SURFACE TREATMENT	SY	5,860													5,860
503.5205	MASONRY ANCHORS TYPE 172W-INCH	EACH														240
503.0172	PRESTRESSED GIRDER TYPE 172W-INCH	LF	6,959							128						6,959
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	12,000	54,880	73,650	79,420	77,960	12,000	67,690	720	620	17,840	51,810	2,580	16,910	382,140
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,245,650	56,940										1,310		2,402,600
506.0805	STRUCTURAL STEEL HS	LB	2,723,600													2,723,600
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH		20												20
506.3025	WELDED STUD SHEAR CONNECTORS 7/8X8-INCH	EACH														19,329
506.4000	STEEL DIAPHRAGMS B-70-61	EACH	92													92
506.5000	BEARING ASSEMBLIES FIXED B-70-61	EACH		11	21					8	7	8	8			45
506.6000	BEARING ASSEMBLIES EXPANSION B-70-61	EACH	37													37
514.0445	FLOOR DRAINS TYPE WF	EACH														7
514.0450	FLOOR DRAINS TYPE WF	EACH														7
514.2608	DOWNSPOUT 8-INCH	LF	55													55
514.2608	DOWNSPOUT 8-INCH	LF	310													310
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY														30
517.0600	PAINTING EPOXY SYSTEM B-70-61	LS	1													1
517.0900.S.700	PREPARATION AND COATING OF TOP FLANGES B-70-61	LS	1													1
517.1010.S.700	CONCRETE STAINING B-70-61	SF	39,480											630		40,110
517.1050.S.700	ARCHITECTURAL SURFACE TREATMENT B-70-61	SF	8,390											550		8,940
517.1800.S.700	STRUCTURE REPAINTING RECYCLED ABRASIVE STRUCTURE B-70-61	LS	1													1
517.4500.S.700	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS STRUCTURE B-70-61	LS	1													1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	1													1
550.0500	PILE POINTS	EACH		44	44	52	52	52					52	29	377	377
550.1140	PIILING STEEL HP 14-INCH X 73 LB	LF		2,200	2,992	2,992	3,016	3,016	3,484				2,340	1,798	21,758	21,758
604.0600	SLOPE PAVING SELECT CRUSHED MATERIALS	SY														3,809
606.0300	RIPRAP HEAVY	CY														1,236
612.0005	PIPE UNDERDRAIN WRAPPED 6-INCH	LF														112
612.0010	CEGULITE CARPET	LF														185
652.0225	CONDUIT RIGID METALLIC 2-INCH	LF														3,560
653.0225	CONDUIT RIGID METALLIC SCHEDULE 40 2-INCH	LF														23
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH														5
657.6005.S	ANCHOR ASSEMBLIES LIGHT POLES ON STRUCTURES	EACH	5													5
SPV.0035.700	MODIFIED HIGH PERFORMANCE CONCRETE (HPCI) MASONRY BRIDGES	CY	9471.2	449.3	371.4	451.4	486.0	488.2	478.5	3.3	3.3	103.5	358.4	277.4	101.2	13,043.1
SPV.0035.701	EXCAVATION-HAULING AND DISPOSAL OF CONTAMINATED SEDIMENT	CY														291
SPV.0035.702	REPAIR OF ENGINEERED SEDIMENT CAP	CY														8
SPV.0066.700	ANCHOR ASSEMBLIES SIGN BRIDGE ON STRUCTURES	EACH	8													8
SPV.0066.701	STRUCTURAL STEEL REPAIR AT CROSS FRAMES B-70-61	EACH	42													42
SPV.0066.702	STRUCTURAL STEEL REPAIR AT SHELF PLATE B-70-61	EACH	1													1
SPV.0066.703	EXISTING STRUCTURE SHORING	EACH	77													77
SPV.0066.704	CLEANING AND PAINTING BEARINGS	EACH	1													1
SPV.0066.705	HANGER ASSEMBLY	EACH	7													7
SPV.0066.706	WATERWAY BRIDGE SEAT	LS														1
SPV.0066.707	PROTECTION OF ENGINEERED SEDIMENT CAP	LS														1
NON-BID ITEM	BRIDGE SEAT PROTECTION AND FILLERS	LS														1
NON-BID ITEM	NAME PLATE	EACH														1

Addendum No. 02
ID 1517-07-77
Revised Sheet 313
July 6, 2016

1	7-16	REVISED QUANTITIES	PSK
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-70-61			
ISSUED	PSK	ISSUED	KO
ESTIMATED QUANTITIES			
SHEET 6 OF 109			
313			



William C. Decker SR
07/06/16



William C. Decker
 SDR
 07/06/16

REINFORCING STEEL

ALL REINFORCING BARS ARE ENGLISH AND THE FIRST OR THE FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE. REINFORCING STEEL SHALL BE HIGH STRENGTH GRADE 60 CONFORMING TO ASTM A618. REINFORCING STEEL SHALL BE UNCOATED IN FOOTINGS CONFORMING TO ASTM A618. GRADE 60 REQUIREMENTS. OTHER LOCATIONS INCLUDING PIER SHAFT BOWELS.

REINFORCING STEEL SHALL BE UNCOATED IN FOOTINGS CONFORMING TO ASTM A618. GRADE 60 REQUIREMENTS. OTHER LOCATIONS INCLUDING PIER SHAFT BOWELS.

PLACE ALL REINFORCEMENT WITH A MINIMUM CLEAR COVER OF 2" UNLESS NOTED OTHERWISE.

LAP REINFORCEMENT IN FOOTINGS AND PILECAPS WITH A SURFACE WITH 2/3' CLEAR COVER TO TOP OF SLAB. SIDES UNLESS NOTED OTHERWISE.

PLACE TOP LAYER OF REINFORCING STEEL IN THE DECK SURFACE WITH 2/3' CLEAR COVER TO TOP OF SLAB.

PLACE BOTTOM LAYER OF REINFORCING STEEL IN THE DECK WITH 1/2' CLEAR COVER TO BOTTOM OF SLAB.

ONLY REINFORCEMENT REQUIRED BY DESIGN IS SHOWN EXPLICITLY ON THE DRAWINGS. ADDITIONAL REINFORCEMENT MAY BE REQUIRED TO ENSURE THE REINFORCING AND POSITONING OF THE COMPLETED REINFORCEMENT CAGE. REINFORCEMENT IN ADDITION TO THAT SHOWN WILL NOT BE INCLUDED FOR PAYMENT.

LAP SPlice LENGTHS SHALL BE CLASS C UNLESS NOTED OTHERWISE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS ARE IN SURVEY FEET AND SURVEY INCHES. ALL STATIONS ARE IN SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD83. THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS THE PROPERTY OF THE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES. FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M33, TYPE II, OR III OR M213. ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE EXISTING GRADE LINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES. AT ABUTMENTS, BACKFILL ALL EXCAVATED VOLUME NOT OCCUPIED BY NEW STRUCTURE WITH BACKFILL STRUCTURE. QUANTITY FOR BACKFILL STRUCTURE, BID ITEM 210.0100, IS CALCULATED BASED ON THE APPLICABLE FIGURES 12.6-1 AND 12.6-2 IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL. EXISTING STRUCTURE B-70-76 IS STEEL PALTE GIRDER BRIDGE TO BE REMOVED. B-70-78 IS A FIVE SPAN STEEL PLATE GIRDER STRUCTURE TO BE REMOVED. EXISTING STRUCTURE B-70-79 IS A THREE SPAN STEEL PLATE GIRDER STRUCTURE TO BE REMOVED. B-10-18 AND B-70-19 WERE PARTIALLY REMOVED AS PART OF THE CONSTRUCTION OF B-70-400. THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET I AND IN THE ABUTMENT DETAILS.

CONCRETE

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE PRESTRESSED GROSS DETAILS SHEET. CHAMFER ALL EXPOSED OUTSIDE CORNERS 3/4" UNLESS NOTED OTHERWISE. PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO TOP OF DECK AND APPROACH SLABS. PIGMENTED SURFACE SEALER IS TO BE APPLIED TO THE INSIDE FACE AND TOP OF PARAPETS. CONCRETE FOR ABUTMENT AND EXPANSION PIER DIAPHRAGMS SHALL BE PLACED WITH THE DECK CONCRETE, AND NO OPTIONAL CONSTRUCTION JOINT IS PERMITTED. IF OPTIONAL CONSTRUCTION JOINT IS USED IN FIXED PIER DIAPHRAGMS, DECK POUR MUST BE WITHIN TWO WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.

OTHER DESIGN LOADS

THE STRUCTURE IS DESIGNED FOR THE DECK THICKNESS SHOWN. AN ADDITIONAL LOAD OF 20 PSF FOR FUTURE WALKWAY WEARING SURFACE AND 5 PSF FOR A FUTURE POLYMER OVERLAY ARE CONSIDERED IN THE DESIGN. TEMPERATURE CHANGE FOR DETERMINING THERMAL FORCES ON SUBSTRUCTURES = 45°F. PARAPETS WERE ASSUMED TO WEIGH 639 PLF FOR 4255 PARAPET WITH AESTHETIC FORMLINER. ALL OTHER LOADS IN ACCORDANCE WITH AASHTO.

DESIGN CRITERIA

DESIGN IS IN ACCORDANCE WITH AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) BRIDGE DESIGN SPECIFICATIONS AND THE WISDOT BRIDGE MANUAL. ALL DETAILS, MATERIALS, AND FABRICATION SHALL CONFORM TO THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. USE THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS AT THE TIME OF CONSTRUCTION.

LIVE LOAD PLUS DYNAMIC LOAD DEFLECTION LIMIT = SPAN / 800 (HL93).

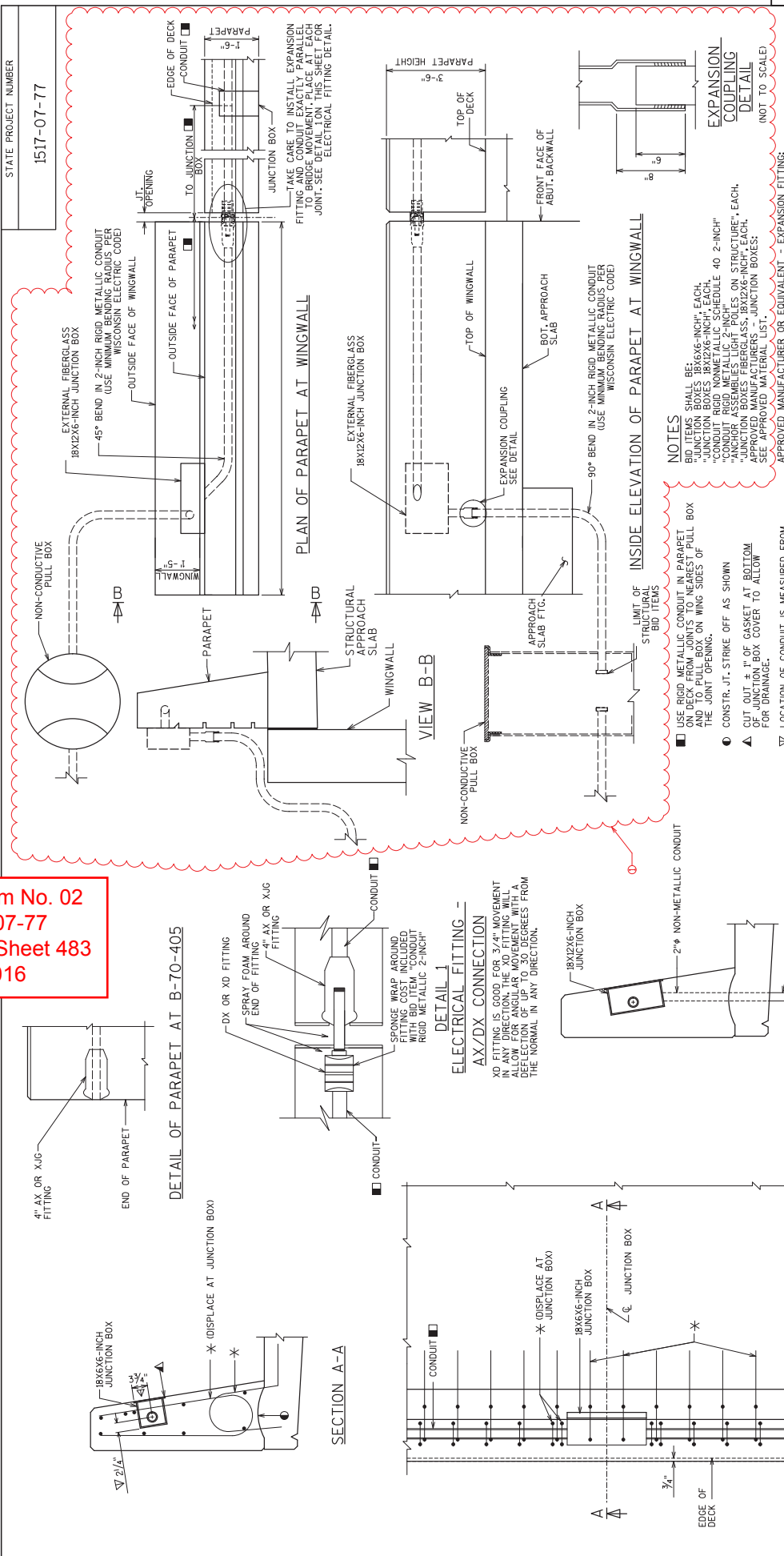
TOTAL ESTIMATED QUANTITIES

BID ITEM #	BID ITEM	UNIT	SUPER SPANS	W. STR. APPR.	W. ABUT.	PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	PIER 7	PIER 8	PIER 9	PIER 10	PIER 11	PIER 12	TOTAL
203.0200.701	REMOVING OLD STRUCTURE STA. 142WB+83	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
203.0200.702	REMOVING OLD STRUCTURE STA. 142EB+35	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
203.0200.703	REMOVING OLD STRUCTURE STA. 131EB+93	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
203.0225.S.700	DEBRIS CONTAINMENT B-70-76	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
203.0225.S.701	DEBRIS CONTAINMENT B-70-78	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
203.0225.S.702	DEBRIS CONTAINMENT B-70-79	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
206.1000.701	EXCAVATION FOR STRUCTURES BRIDGES B-70-401	CY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	140
210.0100	BACKFILL STRUCTURE	TON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	159
501.0000.5	BASE AGGREGATE DENSE 11 1/4-INCH	LB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58035
502.3000.701	ICE HOT WEATHER CONCRETING	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
502.3100.S.701	EXPANSION DEVICE B-70-401	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8310
502.3200	EXPANSION DEVICE MODULAR B-70-401	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1430
502.3220	PROTECTIVE SURFACE TREATMENT	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2785
503.0146	PIGMENTED SURFACE SEALER	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3276
503.0172	PRESTRESSED GROER TYPE 45W-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5276
503.0175	PRESTRESSED GROER TYPE 172W-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3039
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24440
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46660
505.0800.0.5	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52910
506.2610	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
506.4000.701	BEARING PADS ELASTOMERIC LAMINATED	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	117
511.1200.700	STEEL DIAPHRAGMS B-70-401	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
514.0450	TEMPORARY SHORING B-70-401	SF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3876
514.2610	FLOOR DRAINS TYPE WF	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
516.0500	DOWNSPOUT B-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
517.0100.S.701	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
517.0100.S.702	CONCRETE STAINING B-70-401	SF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2820
517.0500.S.701	CONCRETE STAINING B-70-401	SF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7370
550.0020	ARCHITECTURAL SURFACE TREATMENT B-70-401	SF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3747
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	448
550.0500	PILE POINTS	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	840
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3186
550.1410	PILING STEEL HP 14-INCH X 73 LB	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1755
604.0600	SLOPE PAVING SELECT CRUSHED MATERIAL	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
606.0300	RIPRAP HEAVY	CY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110
645.0120	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	127
652.0225	CONDUIT RIGID METALLIC SCHEDULE 40 2-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1755
653.0220	JUNCTION BOXES 18X26X6-INCH	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
653.0222	JUNCTION BOXES 18X26X6-INCH	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
657.6005.S	ANCHOR ASSEMBLIES LIGHT POLES ON STRUCTURES	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
SPV.0035.700	MODIFIED HIGH PERFORMANCE CONCRETE (HP) MASONRY BRIDGES	CY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	448
SPV.0035.701	ANCHOR ASSEMBLIES SIGN BRIDGE ON STRUCTURES	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	376
SPV.0060.700	ANCHOR ASSEMBLIES SIGN BRIDGE ON STRUCTURES	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
SPV.0060.701	ANCHOR ASSEMBLIES SIGN BRIDGE ON STRUCTURES	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	321
SPV.0060.709	JUNCTION BOXES FIBERGLASS 18X26X6-INCH NON-BID ITEMS	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	FILLER	SIZE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/2" & 3/4"
	NAME PLATE	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

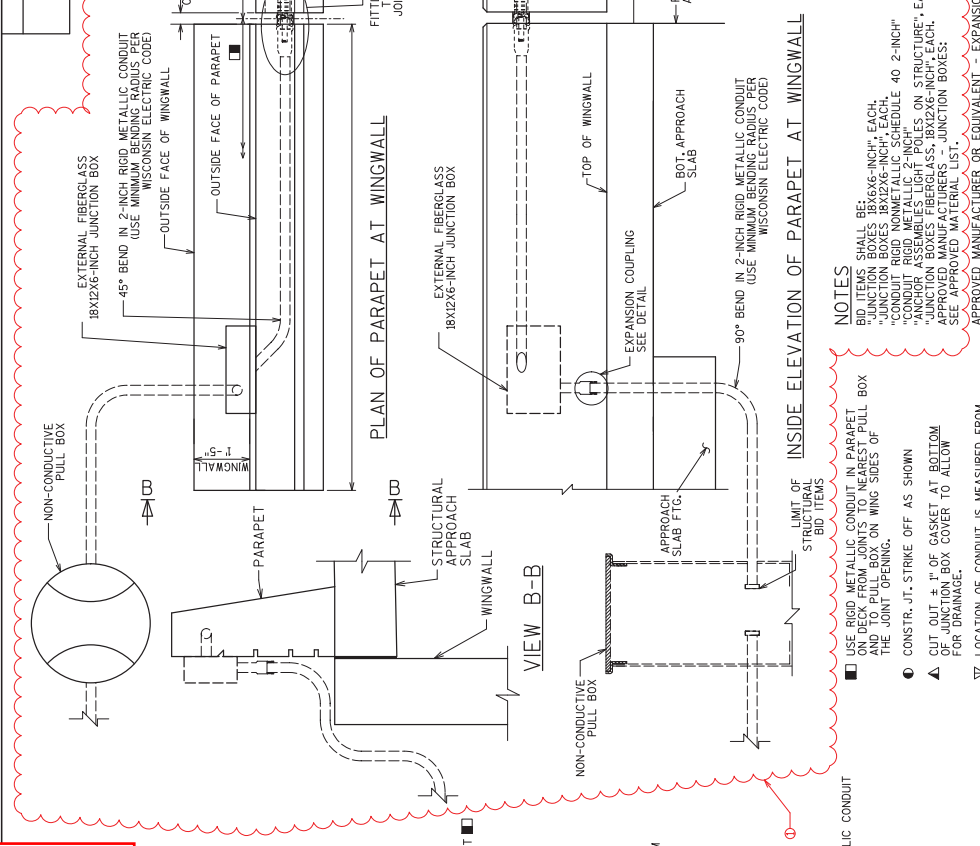
* BID ITEM "PRE-BORING ROCK OR CONSOLIDATED MATERIALS" INCLUDES DRILLING THE PRE-BORING HOLES, FURNISHING AND INSTALLING THE PRE-BORING MATERIAL, GROUT, BACKFILLING, AND DISPOSING OF EXCESS MATERIAL. PROVIDING PILES AND SETTING OF PILES IN THE PRE-BORING HOLES. BID ITEM "PILING STEEL HP 14-INCH X 73 LB." INCLUDES PILING STEEL HP 14-INCH X 73 LB. ** PILES PLACED IN PRE-BORED HOLES CORED INTO SOLID ROCK DO NOT REQUIRE DRIVING.

2	7/1/16	ADDED BID ITEM	JUL
1	4/23/16	QUANTITY UPDATES	JUL
		REVISION	BY
DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-70-401			
OWN BY	JUL	PLANS CHG.	MJA
GENERAL NOTES AND QUANTITIES			
SHEET 3 OF 81			
419			

Addendum No. 02
ID 1517-07-77
Revised Sheet 483
July 6, 2016



STATE PROJECT NUMBER
1517-07-77



NOTES

- USE RIGID METALLIC CONDUIT IN PARAPET AND NON-METALLIC CONDUIT ON WING SIDES OF THE JOINT OPENING.
- CONSTR. JT. STRIKE OFF AS SHOWN
- CUT OUT ± 1" OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.
- LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.
- SEE "PARAPET 4255 MODIFIED" SHEET FOR ADDITIONAL BAR STEEL DETAILS.
- EXPANSION FITTINGS, ANGLES AND ADAPTER FITTINGS TO BE INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".
- WHEN CONNECTING NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS ULL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED.
- FOR PLAN OF PARAPET AT WINGWALL SEE SHEET "PARAPET ELECTRICAL WORK 1".



William C. Decker
 SDR
 07/06/16

LIGHT STD. & JUNCTION BOX NORTH LOCATIONS

☒ LIGHT STD. & JUNCTION BOX	☒ LIGHT STD. & JUNCTION BOX
STA. 132WB+75 NORTH	STA. 142FW+50 SOUTH
STA. 132WB+75 NORTH	STA. 142FW+50 SOUTH
STA. 138WB+75 NORTH	STA. 143FW+80 SOUTH
STA. 140WB+75 NORTH	STA. 143FW+80 SOUTH
STA. 142WB+40 NORTH	
STA. 144WB+91 NORTH	

LIGHT STD. & JUNCTION BOX SOUTH LOCATIONS

☒ LIGHT STD. & JUNCTION BOX	☒ LIGHT STD. & JUNCTION BOX
STA. 142WB+75 NORTH	STA. 142FW+50 SOUTH
STA. 142WB+75 NORTH	STA. 142FW+50 SOUTH
STA. 142WB+75 NORTH	STA. 143FW+80 SOUTH
STA. 142WB+75 NORTH	STA. 143FW+80 SOUTH
STA. 142WB+40 NORTH	
STA. 144WB+91 NORTH	

CONDUIT ROUTING AT BRIDGE END

NO.	DATE	REVISION	BY
1	07/06/16	CONDUIT ROUTING AT BRIDGE END	MJA

DATE: 7/12/2016
 10:10 AM
 FILE: P:\Transportation\US 10 MIS 441\CAD\Drawings\Structures-B-70-40156 - single slope parapet 4255 model electrical Revised.DGN

TOTAL ESTIMATED QUANTITIES

BID ITEM #	BID ITEM	UNIT	PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	PIER 7	PIER 8	PIER 9	PIER 10	PIER 11	PIER 12	PIER 13	PIER 8 (40I)	TOTAL
206-1000	EXCAVATION FOR STRUCTURES BRIDGES B-70-405	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
206-5000.701	COFFERDAMS B-70-405	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
206-5000.702	BACKFILL STRUCTURE	CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	219
305-0100	BASE AGGREGATE DENSE 1 1/4-INCH	TON	151	-	-	-	-	-	-	-	-	-	-	-	-	-	151
305-0200	CEMENT PORTLAND	CY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63.325
305-0300.01	CONCRETE	CU YD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119
305-0300.02	CONCRETE	CU YD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119
502-3103.S.702	EXPANSION DEVICE MODULAR B-70-405	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10700
502-3200	PROTECTIVE SURFACE TREATMENT	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10700
502-3300	PIGMENTED SURFACE SEALER	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210
505-0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	17620	15380	16560	12740	17610	13010	16480	19260	14800	18830	21630	19210	20670	14800	224850
505-0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	3480	2840	39590	38390	54740	62390	55650	65470	48530	59550	63190	52510	65360	48530	445780
505-0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190
506-0605	STRUCTURAL STEEL HS	LB	509957	-	-	-	-	-	-	-	-	-	-	-	-	-	5409957
506-3020	WELDED STUD SHEAR CONNECTORS T/8X7-INCH	EACH	23082	-	-	-	-	-	770	-	-	-	-	-	-	-	23082
514-0445	TEMPORARY SHORING B-70-405	SF	-	418	-	-	-	-	-	-	-	-	-	-	-	-	418
514-2625	FLOOR DRAINS TYPE CC	LF	-	62	-	-	89	-	-	-	80	-	-	-	84	-	489
516-0500	DOWNSPOUT 6-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
517-0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
517-0600	PAINTING EPOXY SYSTEM B-70-405	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
517-1000.S	CONCRETE STAINING B-70-405	SF	30055	1790	1950	2310	2510	2770	2630	2715	2910	2545	2655	2565	2635	2910	8870
517-1050.S	ARCHITECTURAL SURFACE TREATMENT B-70-405	SF	675	675	190	3003	300	300	226	421	330	456	212	475	502	330	3980
550-0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	LF	-	16	20	27	20	22	24	14	33	24	20	20	20	14	270
550-0500	PILE POINTS	EACH	-	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	10
550-1120	PIILING STEEL HP 12-INCH X 53 LB	LF	-	410	344	671	636	332	401	579	393	541	348	675	620	393	400
550-1140	PIILING STEEL HP 14-INCH X 73 LB	LF	-	247	-	-	-	-	-	-	-	-	-	-	-	-	247
604-0600	SLOPE RETAINING SELECT CRUSHED MATERIAL	CU YD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	116
604-0800	PIPER UNDERDRAN WRAPPED 6-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
604-0900	PIPER UNDERDRAN WRAPPED 8-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
614-0500	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	368	-	-	-	-	-	-	-	-	-	-	-	-	-	368
645-0120	GEOTEXTILE FABRIC TYPE HR	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94
652-0125	CONDUIT RIGID METALLIC SCHEDULE 40 2-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2205
652-0225	CONDUIT RIGID METALLIC SCHEDULE 40 2-INCH	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
653-0220	JUNCTION BOXES 18X6X6-INCH	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
653-0222	JUNCTION BOXES 18X26X-INCH	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
657-6005.S	ANCHOR ASSEMBLIES LIGHT POLES ON STRUCTURES	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
SPV.0035.700	MODIFIED HIGH PERFORMANCE CONCRETE (HPCC) MASONRY BRIDGES	CY	3752	63	159	263	273	305	340	386	350	347	422	410	430	387	870
SPV.0060.706	BEARINGS HIGH-LOAD MULTI-ROTATIONAL GUIDED	EACH	-	5	5	5	5	5	5	5	5	5	5	5	5	5	50
SPV.0060.707	BEARINGS HIGH-LOAD MULTI-ROTATIONAL FIXED	EACH	-	5	5	5	5	5	5	5	5	5	5	5	5	5	50
SPV.0060.708	STAND PIPE SYSTEM	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
SPV.0060.709	JUNCTION BOXES FIBERGLASS BR12X6-INCH NON-BID ITEMS	EACH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
FILLER		SIZE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/2" & 3/4"

REINFORCING STEEL

ALL REINFORCING BARS ARE ENGLISH AND THE FIRST OR THE FIRST AND THE FIRST OF THE BAR MARK SIGNIFY THE BAR SIZE.
 REINFORCING STEEL SHALL BE HIGH STRENGTH, GRADE 60 WITH THE FOLLOWING REQUIREMENTS:
 1. TO ASTM A635, GRADE 60 REQUIREMENTS.
 2. REINFORCING STEEL SHALL BE UNCOATED IN FOOTINGS EXCEPT WHERE SHOWN OTHERWISE.
 3. REINFORCING STEEL SHALL BE COATED IN ALL OTHER LOCATIONS INCLUDING PIER SHAFT DOWNLAYS.
 4. PLACE ALL REINFORCEMENT WITH A MINIMUM CLEAR COVER OF 2" UNLESS NOTED OTHERWISE.
 5. REINFORCEMENT IN FOOTINGS AND PILECAPS WITH A MINIMUM CLEAR COVER OF 3" BOTTOM AND 2" TOP AND SIDES UNLESS NOTED OTHERWISE.
 6. REINFORCEMENT IN DECK SURFACES SHALL BE PLACED WITH 2" CLEAR COVER TO TOP OF SLAB.
 7. REINFORCEMENT IN DECK SURFACES SHALL BE PLACED WITH 1 1/2" CLEAR COVER TO BOTTOM OF SLAB.
 8. REINFORCEMENT IN DECK SURFACES SHALL BE PLACED WITH 1/2" CLEAR COVER TO TOP OF SLAB.
 9. REINFORCEMENT IN DECK SURFACES SHALL BE PLACED WITH 1/2" CLEAR COVER TO BOTTOM OF SLAB.
 10. REINFORCEMENT REQUIRED BY DESIGN IS SHOWN EXPLICITLY TO SMOOTHLY TRANSITION INTO REINFORCEMENT FOR STRUCTURE TO SMOOTHLY ASSEMBLY AND ERECTION OF THE REINFORCING STEEL AND MAY BE REQUIRED TO ENSURE STABILITY AND POSITIONING OF REINFORCEMENT IN ALL CASES. REINFORCEMENT NOT SHOWN IN ADDITION TO THAT SHOWN WILL NOT BE INCLUDED FOR PAYMENT.
 11. BAR SPICE LENGTHS SHALL BE CLASS C UNLESS NOTED OTHERWISE.
 12. BAR SPICES AT THE OPTIONAL KEVED CONSTRUCTION JOINTS IN THE PIER SPICES MAY BE ELIMINATED WHETHER OR NOT THE JOINT IS USED. PAYMENT WILL BE FOR THE ACTUAL BARS INSTALLED.

GENERAL NOTES

DO NOT SCALE DRAWINGS.
 ALL DIMENSIONS ARE IN SURVEY FEET AND SURVEY INCHES. ALL STATIONS ARE IN SURVEY FEET.
 ELEVATIONS ON THIS PLAN ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
 THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES.
 JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION MBS-1, TYPE 1, 1/4, OR 1/2.
 THE EXISTING GROUND LINE IS THE UPPER LIMIT OF EXCAVATION FOR STRUCTURES. AT ABUTMENT, BACKFILL ALL EXCAVATED VOLUME NOT OCCUPIED BY NEW STRUCTURE WITH BACKFILL STRUCTURE.
 THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.
 THE SLOPE OF THE FILL IN FRONT OF THE WEST ABUTMENT SHALL BE COVERED WITH "SLOPE PAVING SELECT CRUSHED MATERIAL" TO THE EXTENT SHOWN ON GENERAL PLAN SHEET.
 FOR DETAILS RELATING TO COMMON PIER 8 SEE B-70-401 STRUCTURE PLANS.
DESIGN CRITERIA
 DESIGN IS IN ACCORDANCE WITH AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATIONS AND THE MISSOURI BRIDGE MANUAL.
 ALL DETAILS, MATERIALS, AND FABRICATION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR BRIDGE AND STRUCTURE CONSTRUCTION, LATEST EDITION OF THE STANDARD SPECIFICATIONS AT THE TIME OF CONSTRUCTION.
 LIVE LOAD PLUS DYNAMIC LOAD DEFLECTION LIMIT = SPAN / 800 (HL.93).

CONCRETE
 CONCRETE QUANTITY IN THE HAUNCHES IS CALCULATED BASED ON AN OVERLAY WILL BE APPLIED TO THE TOP OF THE DECK, 5 PSF DESIGN LOAD IS CONSIDERED FOR POLYMER OVERLAY. AN ADDITIONAL LOAD OF 20 PSF FOR A FUTURE REAR SURFACE IS CONSIDERED IN THE DESIGN.
 TEMPORARY CHANGE FOR DETERMINING THERMAL FORCES ON SUBSTRUCTURES = 100°F.
 DESIGN ASSUMED 7.5 PSF FOR TEMPORARY FORMWORK.
 PARAMETRS WERE ASSUMED TO WEIGH 639 POUND/LF AND 516 POUND/LF FOR MODIFIED 4255 AND 3255 SECTIONS RESPECTIVELY.
 ALL OTHER LOADS IN ACCORDANCE WITH AASHTO.
STRUCTURAL STEEL
 PROVIDE HIGH STRENGTH STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A709 GRADE 50 FOR ALL GIRDER WEB, FLANGES, STIFFENERS, SPICE PLATES AND DIAPHRAGMS.
 PROVIDE 7/8" DIA ASTM A325 HIGH STRENGTH BOLTS FOR ALL STRUCTURAL STEEL CONNECTIONS.
 DETAIL CROSS FRAME DIAPHRAGMS FOR STEEL DEAD LOAD FIT ERRECTED FIT.
 PROVIDE ANCHOR BOLTS, NUTS AND WASHERS CONFORMING TO ASTM F1554 FOR PILE AND CAP TO CAP CONNECTIONS WITH AASHTO M334.
 STRUCTURAL STEEL PAINT COLOR SHALL BE FED. COLOR NO. 25127 (SW 6523)

OTHER DESIGN LOADS
 THE STRUCTURE IS DESIGNED FOR THE DECK THICKNESS SHOWN. A POLYMER OVERLAY WILL BE APPLIED TO THE TOP OF THE DECK, 5 PSF DESIGN LOAD IS CONSIDERED FOR POLYMER OVERLAY. AN ADDITIONAL LOAD OF 20 PSF FOR A FUTURE REAR SURFACE IS CONSIDERED IN THE DESIGN.
 TEMPORARY CHANGE FOR DETERMINING THERMAL FORCES ON SUBSTRUCTURES = 100°F.
 DESIGN ASSUMED 7.5 PSF FOR TEMPORARY FORMWORK.
 PARAMETRS WERE ASSUMED TO WEIGH 639 POUND/LF AND 516 POUND/LF FOR MODIFIED 4255 AND 3255 SECTIONS RESPECTIVELY.
 ALL OTHER LOADS IN ACCORDANCE WITH AASHTO.
STRUCTURAL STEEL
 PROVIDE HIGH STRENGTH STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A709 GRADE 50 FOR ALL GIRDER WEB, FLANGES, STIFFENERS, SPICE PLATES AND DIAPHRAGMS.
 PROVIDE 7/8" DIA ASTM A325 HIGH STRENGTH BOLTS FOR ALL STRUCTURAL STEEL CONNECTIONS.
 DETAIL CROSS FRAME DIAPHRAGMS FOR STEEL DEAD LOAD FIT ERRECTED FIT.
 PROVIDE ANCHOR BOLTS, NUTS AND WASHERS CONFORMING TO ASTM F1554 FOR PILE AND CAP TO CAP CONNECTIONS WITH AASHTO M334.
 STRUCTURAL STEEL PAINT COLOR SHALL BE FED. COLOR NO. 25127 (SW 6523)

CONCRETE
 CONCRETE QUANTITY IN THE HAUNCHES IS CALCULATED BASED ON AN OVERLAY WILL BE APPLIED TO THE TOP OF THE DECK, 5 PSF DESIGN LOAD IS CONSIDERED FOR POLYMER OVERLAY. AN ADDITIONAL LOAD OF 20 PSF FOR A FUTURE REAR SURFACE IS CONSIDERED IN THE DESIGN.
 TEMPORARY CHANGE FOR DETERMINING THERMAL FORCES ON SUBSTRUCTURES = 100°F.
 DESIGN ASSUMED 7.5 PSF FOR TEMPORARY FORMWORK.
 PARAMETRS WERE ASSUMED TO WEIGH 639 POUND/LF AND 516 POUND/LF FOR MODIFIED 4255 AND 3255 SECTIONS RESPECTIVELY.
 ALL OTHER LOADS IN ACCORDANCE WITH AASHTO.
STRUCTURAL STEEL
 PROVIDE HIGH STRENGTH STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A709 GRADE 50 FOR ALL GIRDER WEB, FLANGES, STIFFENERS, SPICE PLATES AND DIAPHRAGMS.
 PROVIDE 7/8" DIA ASTM A325 HIGH STRENGTH BOLTS FOR ALL STRUCTURAL STEEL CONNECTIONS.
 DETAIL CROSS FRAME DIAPHRAGMS FOR STEEL DEAD LOAD FIT ERRECTED FIT.
 PROVIDE ANCHOR BOLTS, NUTS AND WASHERS CONFORMING TO ASTM F1554 FOR PILE AND CAP TO CAP CONNECTIONS WITH AASHTO M334.
 STRUCTURAL STEEL PAINT COLOR SHALL BE FED. COLOR NO. 25127 (SW 6523)

CONCRETE
 CONCRETE QUANTITY IN THE HAUNCHES IS CALCULATED BASED ON AN OVERLAY WILL BE APPLIED TO THE TOP OF THE DECK, 5 PSF DESIGN LOAD IS CONSIDERED FOR POLYMER OVERLAY. AN ADDITIONAL LOAD OF 20 PSF FOR A FUTURE REAR SURFACE IS CONSIDERED IN THE DESIGN.
 TEMPORARY CHANGE FOR DETERMINING THERMAL FORCES ON SUBSTRUCTURES = 100°F.
 DESIGN ASSUMED 7.5 PSF FOR TEMPORARY FORMWORK.
 PARAMETRS WERE ASSUMED TO WEIGH 639 POUND/LF AND 516 POUND/LF FOR MODIFIED 4255 AND 3255 SECTIONS RESPECTIVELY.
 ALL OTHER LOADS IN ACCORDANCE WITH AASHTO.
STRUCTURAL STEEL
 PROVIDE HIGH STRENGTH STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A709 GRADE 50 FOR ALL GIRDER WEB, FLANGES, STIFFENERS, SPICE PLATES AND DIAPHRAGMS.
 PROVIDE 7/8" DIA ASTM A325 HIGH STRENGTH BOLTS FOR ALL STRUCTURAL STEEL CONNECTIONS.
 DETAIL CROSS FRAME DIAPHRAGMS FOR STEEL DEAD LOAD FIT ERRECTED FIT.
 PROVIDE ANCHOR BOLTS, NUTS AND WASHERS CONFORMING TO ASTM F1554 FOR PILE AND CAP TO CAP CONNECTIONS WITH AASHTO M334.
 STRUCTURAL STEEL PAINT COLOR SHALL BE FED. COLOR NO. 25127 (SW 6523)

CONCRETE
 CONCRETE QUANTITY IN THE HAUNCHES IS CALCULATED BASED ON AN OVERLAY WILL BE APPLIED TO THE TOP OF THE DECK, 5 PSF DESIGN LOAD IS CONSIDERED FOR POLYMER OVERLAY. AN ADDITIONAL LOAD OF 20 PSF FOR A FUTURE REAR SURFACE IS CONSIDERED IN THE DESIGN.
 TEMPORARY CHANGE FOR DETERMINING THERMAL FORCES ON SUBSTRUCTURES = 100°F.
 DESIGN ASSUMED 7.5 PSF FOR TEMPORARY FORMWORK.
 PARAMETRS WERE ASSUMED TO WEIGH 639 POUND/LF AND 516 POUND/LF FOR MODIFIED 4255 AND 3255 SECTIONS RESPECTIVELY.
 ALL OTHER LOADS IN ACCORDANCE WITH AASHTO.
STRUCTURAL STEEL
 PROVIDE HIGH STRENGTH STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A709 GRADE 50 FOR ALL GIRDER WEB, FLANGES, STIFFENERS, SPICE PLATES AND DIAPHRAGMS.
 PROVIDE 7/8" DIA ASTM A325 HIGH STRENGTH BOLTS FOR ALL STRUCTURAL STEEL CONNECTIONS.
 DETAIL CROSS FRAME DIAPHRAGMS FOR STEEL DEAD LOAD FIT ERRECTED FIT.
 PROVIDE ANCHOR BOLTS, NUTS AND WASHERS CONFORMING TO ASTM F1554 FOR PILE AND CAP TO CAP CONNECTIONS WITH AASHTO M334.
 STRUCTURAL STEEL PAINT COLOR SHALL BE FED. COLOR NO. 25127 (SW 6523)

CONCRETE
 CONCRETE QUANTITY IN THE HAUNCHES IS CALCULATED BASED ON AN OVERLAY WILL BE APPLIED TO THE TOP OF THE DECK, 5 PSF DESIGN LOAD IS CONSIDERED FOR POLYMER OVERLAY. AN ADDITIONAL LOAD OF 20 PSF FOR A FUTURE REAR SURFACE IS CONSIDERED IN THE DESIGN.
 TEMPORARY CHANGE FOR DETERMINING THERMAL FORCES ON SUBSTRUCTURES = 100°F.
 DESIGN ASSUMED 7.5 PSF FOR TEMPORARY FORMWORK.
 PARAMETRS WERE ASSUMED TO WEIGH 639 POUND/LF AND 516 POUND/LF FOR MODIFIED 4255 AND 3255 SECTIONS RESPECTIVELY.
 ALL OTHER LOADS IN ACCORDANCE WITH AASHTO.
STRUCTURAL STEEL
 PROVIDE HIGH STRENGTH STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A709 GRADE 50 FOR ALL GIRDER WEB, FLANGES, STIFFENERS, SPICE PLATES AND DIAPHRAGMS.
 PROVIDE 7/8" DIA ASTM A325 HIGH STRENGTH BOLTS FOR ALL STRUCTURAL STEEL CONNECTIONS.
 DETAIL CROSS FRAME DIAPHRAGMS FOR STEEL DEAD LOAD FIT ERRECTED FIT.
 PROVIDE ANCHOR BOLTS, NUTS AND WASHERS CONFORMING TO ASTM F1554 FOR PILE AND CAP TO CAP CONNECTIONS WITH AASHTO M334.
 STRUCTURAL STEEL PAINT COLOR SHALL BE FED. COLOR NO. 25127 (SW 6523)

CONCRETE
 CONCRETE QUANTITY IN THE HAUNCHES IS CALCULATED BASED ON AN OVERLAY WILL BE APPLIED TO THE TOP OF THE DECK, 5 PSF DESIGN LOAD IS CONSIDERED FOR POLYMER OVERLAY. AN ADDITIONAL LOAD OF 20 PSF FOR A FUTURE REAR SURFACE IS CONSIDERED IN THE DESIGN.
 TEMPORARY CHANGE FOR DETERMINING THERMAL FORCES ON SUBSTRUCTURES = 100°F.
 DESIGN ASSUMED 7.5 PSF FOR TEMPORARY FORMWORK.
 PARAMETRS WERE ASSUMED TO WEIGH 639 POUND/LF AND 516 POUND/LF FOR MODIFIED 4255 AND 3255 SECTIONS RESPECTIVELY.
 ALL OTHER LOADS IN ACCORDANCE WITH AASHTO.
STRUCTURAL STEEL
 PROVIDE HIGH STRENGTH STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A709 GRADE 50 FOR ALL GIRDER WEB, FLANGES, STIFFENERS, SPICE PLATES AND DIAPHRAGMS.
 PROVIDE 7/8" DIA ASTM A325 HIGH STRENGTH BOLTS FOR ALL STRUCTURAL STEEL CONNECTIONS.
 DETAIL CROSS FRAME DIAPHRAGMS FOR STEEL DEAD LOAD FIT ERRECTED FIT.
 PROVIDE ANCHOR BOLTS, NUTS AND WASHERS CONFORMING TO ASTM F1554 FOR PILE AND CAP TO CAP CONNECTIONS WITH AASHTO M334.
 STRUCTURAL STEEL PAINT COLOR SHALL BE FED. COLOR NO. 25127 (SW 6523)

William C. Decker
 07/06/16

William C. Decker
 07/06/16

William C. Decker
 07/06/16

William C. Decker
 07/06/16

William C. Decker
 07/06/16

William C. Decker
 07/06/16

William C. Decker
 07/06/16

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 502
 July 6, 2016

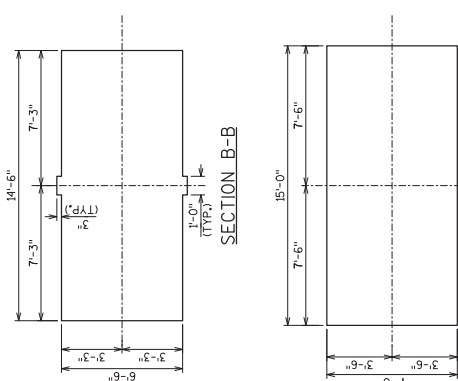


STATE PROJECT NUMBER
 1517-07-77

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION
 STRUCTURE B-70-405
 GENERAL NOTES
 SHEET 5 OF 85
 502

NO.	DATE	REVISION	BY
2	6/29/16	ADDED NOTE, DTY. REVISION	JDL
1	4/25/16	ADDED NOTE, UPDATED QUANTITIES	JDL

STATE PROJECT NUMBER
1517-07-77



Addendum No. 02
ID 1517-07-77
Revised Sheet 514
July 6, 2016

TOP OF PIER ELEVATION TABLE

PIER	G5	G4	G3	G2	G1
UNIT 1	800.83	800.27	799.71	799.15	798.59
UNIT 2	800.83	800.27	799.71	799.15	798.59

LEGEND
◆ KEYED CONSTRUCTION JOINT FORMED BY BEVELED 4" X 2'-2" X 10'-6"

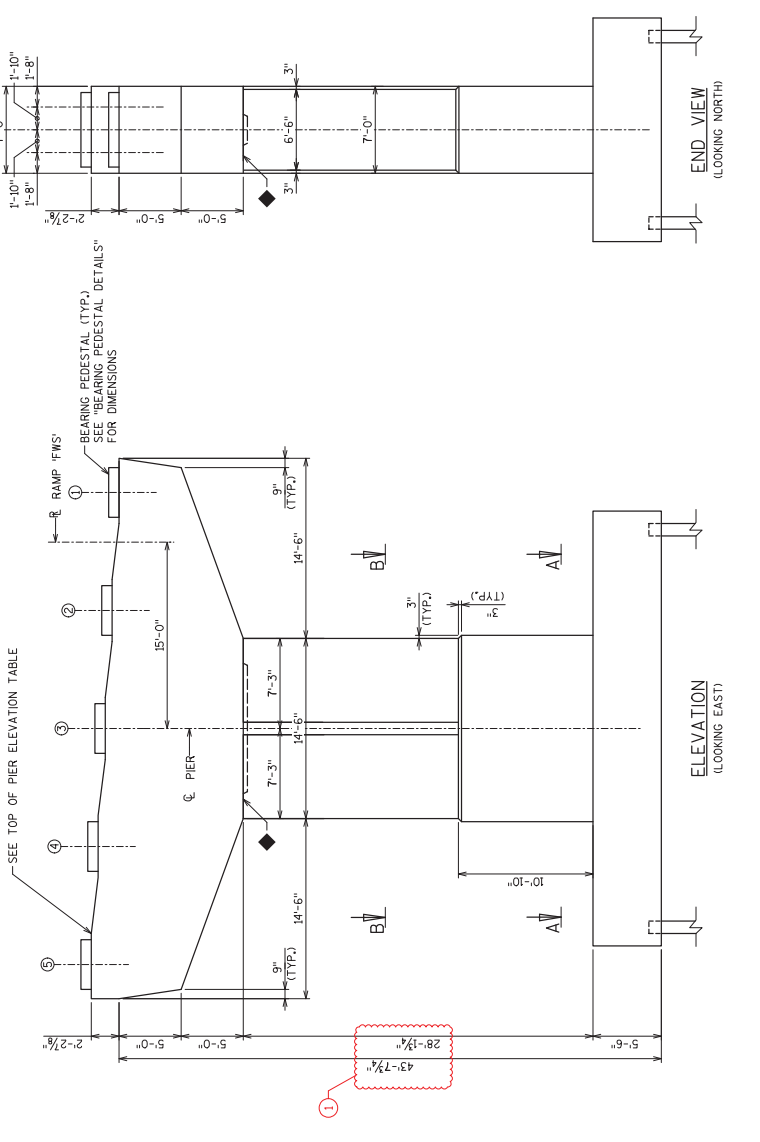
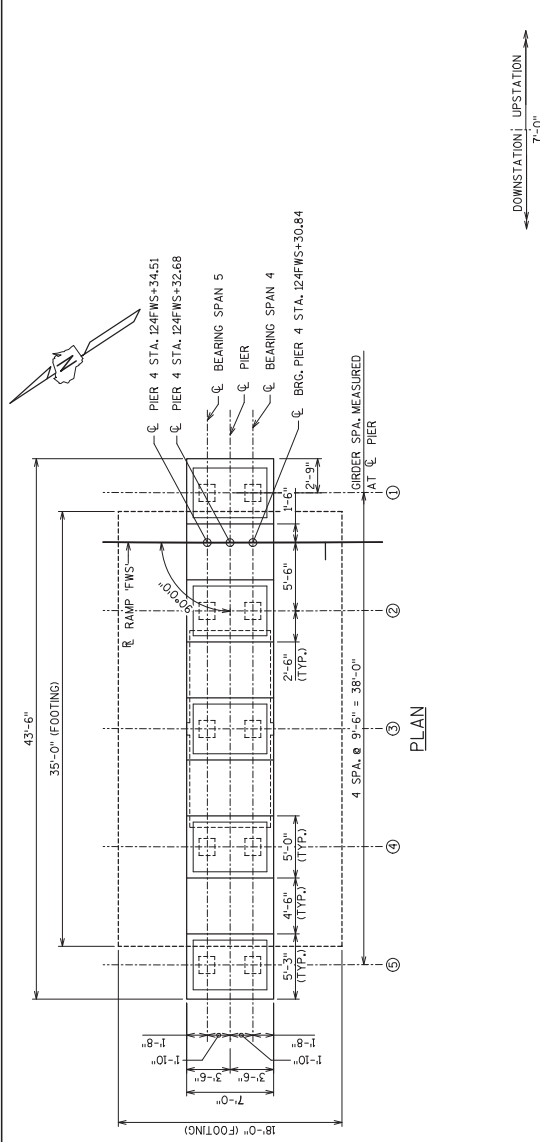
NOTES
FOR CAP REINFORCING DETAILS SEE SHEET "PIER 4 CAP REINFORCING".
FOR PIER SHAFT REINFORCING DETAILS SEE SHEET "PIER 4 SHAFT REINFORCING".
FOR FOOTING DETAILS SEE SHEET "PIERS 1-4 FOOTING PILE LAYOUT".
FOR BEARING AND BEARING PEDESTAL DETAILS SEE SHEET "PIERS 1-4 BEARING PEDESTAL LAYOUT".
SEE SHEET "AESTHETICS" FOR PIER AESTHETICS.

William C. Decker SDR
07/06/16

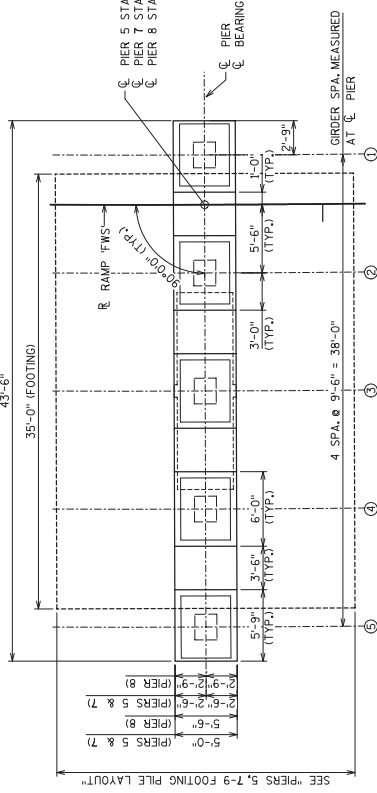


JDL	UNIT 2 PIER ELEVATIONS		
2	6/27/16		
1	6/9/16		
NO.	DATE	REVISION	BY

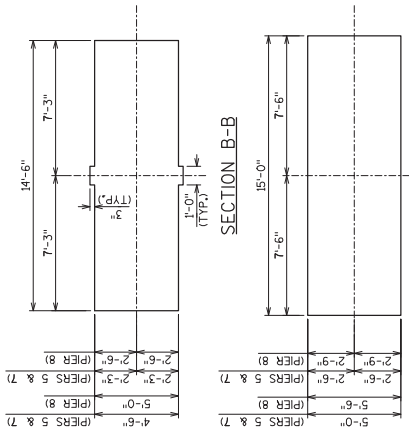
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURE B-70-405
DRAWN BY: JDL
CHECKED BY: JCF
SHEET 17 OF 85
514



STATE PROJECT NUMBER
1517-07-77



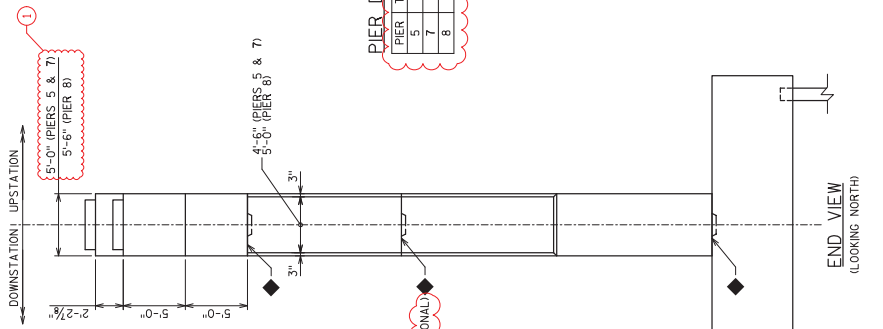
William C. Decker SDR
07/06/16



SECTION A-A

TOP OF PIER ELEVATION TABLE

PIER	G5	G4	G3	G2	G1
5	806.62	806.74	806.84	806.92	807.00
7	807.41	806.89	806.29	805.73	805.17
8	806.79	808.23	807.67	807.11	806.55



Addendum No. 02
ID 1517-07-77
Revised Sheet 515
July 6, 2016

PIER DIMENSIONS

PIER	TOTAL HEIGHT	SHAFT HEIGHT	FOOTING DEPTH
5	54'-3/8"	31'-0/8"	6'-3"
7	58'-2/8"	41'-1/4"	6'-0"
8	58'-2/8"	41'-3/8"	7'-0"

LEGEND

◆ KEVED CONSTRUCTION JOINT FORMED BY BEVELED
4" X 1'-6" X 10'-6"

NOTES

FOR CAP REINFORCING DETAILS SEE SHEET "PIERS 1-3, 5-8 CAP REINFORCING".
FOR PIER SHAFT REINFORCING DETAILS SEE SHEET "PIERS 5-8 SHAFT REINFORCING".
FOR FOOTING DETAILS SEE SHEETS "PIERS 5, 7-9 FOOTING PILE LAYOUT".
FOR BEARING AND BEARING PEDESTAL DETAILS SEE "BEARING PEDESTAL DETAILS" AND "BEARING PEDESTAL LAYOUT UNIT 2".
SEE SHEET "AESTHETICS" FOR PIER AESTHETICS.



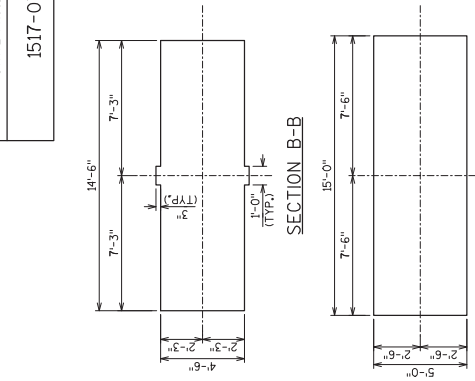
NO.	DATE	REVISION	BY
2	6/29/16	ADDED OPTIONAL TO JOINTS	JDL
1	6/8/16	PIER DIMENSIONS	JDL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURE B-70-405

DRAWN BY: JDL
CHECKED BY: JCF
SHEET 18 OF 85
PIERS 5, 7, 8 LAYOUT

STATE PROJECT NUMBER

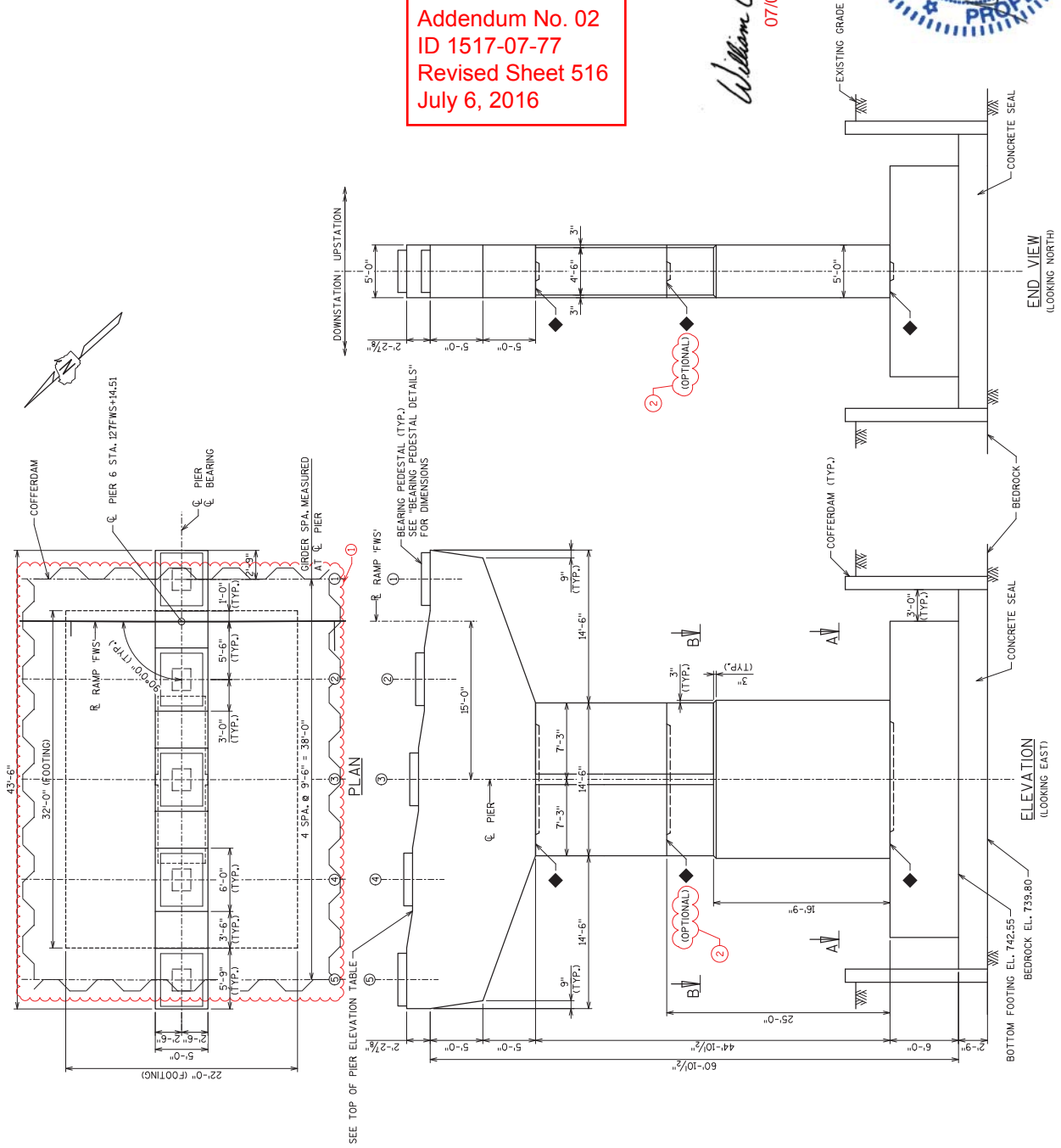
1517-07-77



TOP OF PIER ELEVATION TABLE

PIER	G5	G4	G3	G2	G1
6	805.65	805.09	804.53	803.97	803.41

Addendum No. 02
ID 1517-07-77
Revised Sheet 516
July 6, 2016



LEGEND
◆ KEYED CONSTRUCTION JOINT FORMED BY BEVELED 4" X 1'-6" X 10'-6"

NOTES
FOR CAP REINFORCING DETAILS SEE SHEET "PIERS 1-3, 5-8 CAP REINFORCING".
FOR PIER SHAFT REINFORCING DETAILS SEE SHEET "PIERS 5-8 SHAFT REINFORCING".
FOR FOOTING DETAILS SEE SHEET "PIER 6 SPREAD FOR BEARING AND BEARING PEDESTAL DETAILS SEE SHEET "PIERS 5-8 BEARING PEDESTAL DETAILS" AND "BEARING PEDESTAL LAYOUT UNIT 2".
SEE SHEET "AESTHETICS" FOR PIER AESTHETICS.

William C. Decker SDR
07/06/16



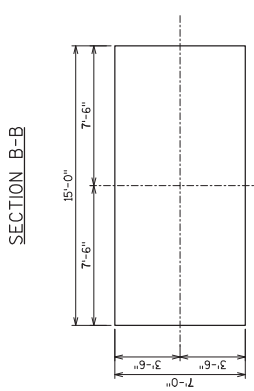
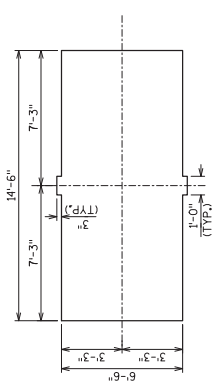
NO.	DATE	REVISION	BY
2	6/29/16	ADDED OPTIONAL TO JOINTS	JDL
1	4/26/16	SHOWING COFFERDAM	JDL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURE B-70-405
PIER 6 LAYOUT

DESIGN BY: JDL
CHECKED BY: JCF
SHEET 19 OF 85

516

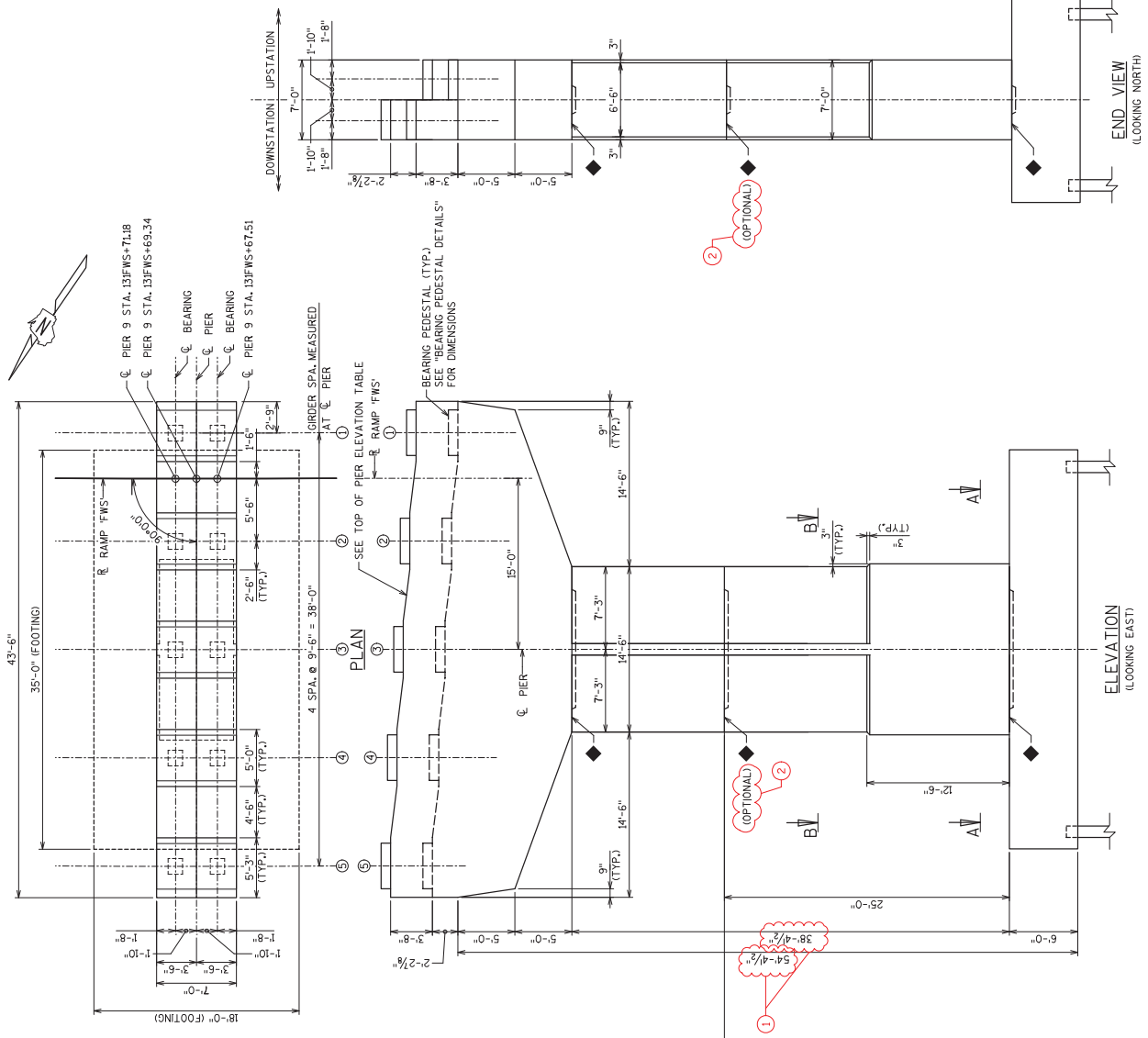
STATE PROJECT NUMBER
1517-07-77



TOP OF PIER ELEVATION TABLE

PIER	G5	G4	G3	G2	G1
PIER 9	805.80	805.24	808.68	808.12	807.57
UNIT 2	805.80	805.24	808.68	808.12	807.57
UNIT 3	806.14	805.57	805.01	804.45	803.88

Addendum No. 02
ID 1517-07-77
Revised Sheet 517
July 6, 2016



(OPTIONAL) 2

(OPTIONAL) 1
54'-4 1/2"
38'-4 1/2"

William C. Decker SDR
07/06/16



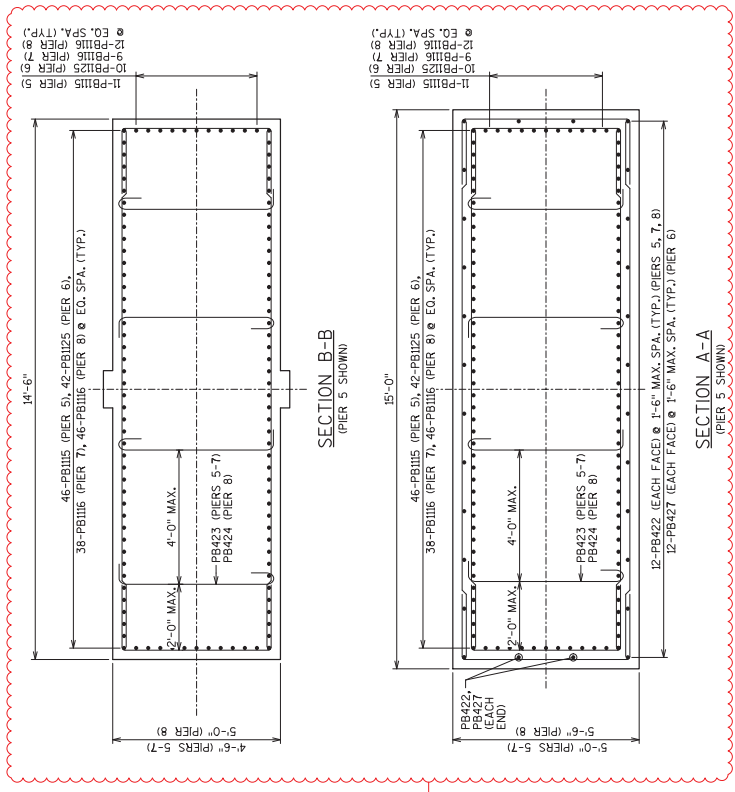
LEGEND
◆ KEYED CONSTRUCTION JOINT FORMED BY BEVELED 4" X 2'-2" X 10'-6"

NOTES
FOR CAP REINFORCING DETAILS SEE SHEET "PIER 9 CAP REINFORCING".
FOR PIER SHAFT REINFORCING DETAILS SEE SHEET "PIER 9 SHAFT REINFORCING".
FOR FOOTING DETAILS SEE SHEET "PIERS 9-13 FOOTING PILE LAYOUT".
FOR BEARING AND BEARING PEDESTAL DETAILS SEE SHEET'S "BEARING PEDESTAL DETAILS" AND "BEARING LAYOUT UNIT 3".
SEE SHEET "AESTHETICS" FOR PIER AESTHETICS.

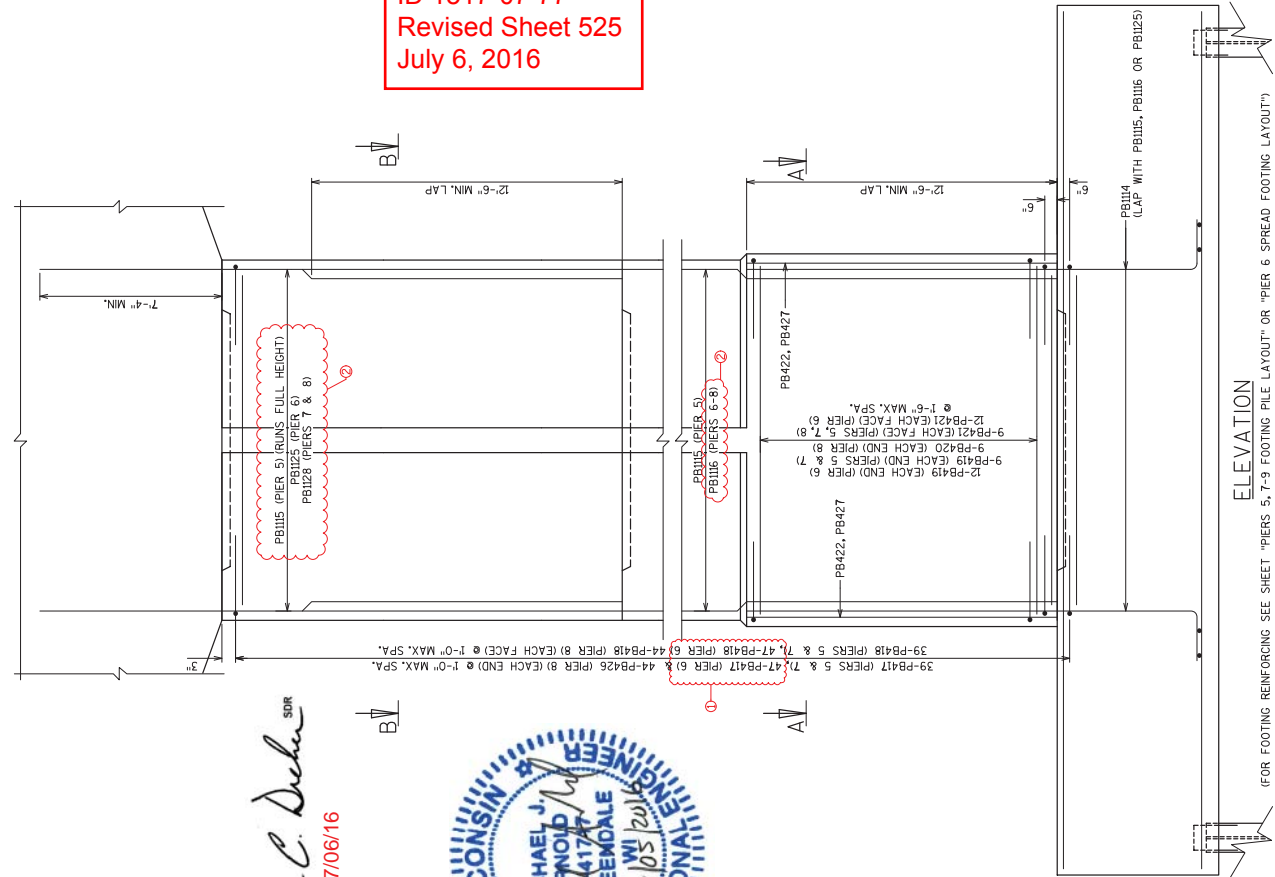
NO.	DATE	REVISION	BY
1	6/29/16	PIER DIMENSIONS	JUL
2	6/29/16	ADDED OPTIONAL TO JOINTS	JUL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURE B-70-405
PIER 9 LAYOUT
SHEET 20 OF 85

STATE PROJECT NUMBER
1517-07-77



Addendum No. 02
ID 1517-07-77
Revised Sheet 525
July 6, 2016



William C. Decker SDR
07/06/16



SHAFT BILL OF BARS
ALL BARS TO BE EPOXY COATED

BAR MARK	NO.	RECD	LENGTH	BENT	BAR SERIES	LOCATION
PB1114	428	19'-10"	X		PIERS 5-8 SHAFT DOWEL	
PB1115	444	45'-6"	X		PIERS 5-8 SHAFT VERT.	
PB1116	254	27'-3"	X		PIERS 5-8 SHAFT VERT.	
PB1117	346	14'-1"	X		PIERS 5-8 SHAFT STIRRUPS	
PB1118	50	7'-9"	X		PIERS 5-7 SHAFT BASE STIRRUPS	
PB1119	18	8'-3"	X		PIERS 5-7 SHAFT BASE STIRRUPS	
PB1120	78	19'-7"	X		PIERS 5-8 SHAFT BASE STIRRUPS	
PB1121	18	19'-7"	X		PIERS 5-8 SHAFT BASE STIRRUPS	
PB1122	512	5'-2"	X		PIERS 5-7 SHAFT TIE BARS	
PB1123	176	5'-8"	X		PIERS 5-7 SHAFT TIE BARS	
PB1124	104	27'-3"	X		PIER 6 SHAFT VERT.	
PB1125	98	16'-3"	X		PIERS 5-7 & 8 SHAFT VERT.	
PB1126	98	16'-3"	X		PIERS 5-7 & 8 SHAFT VERT.	
PB1127	20	16'-3"	X		PIERS 5-7 & 8 SHAFT VERT.	
TOTAL WEIGHT		166,240 LB				

NOTES
1. THE POSITION OF THE 60° BEND AND ALTERNATE OF THE 90° BEND OR PER 6-9 VERTICAL LAYER, TIE IN WITH EACH LAYER OF PB417, PB418, OR PB26.
2. FOR FOOTING REINFORCING DETAILS SEE "PIERS 5, 7-9 FOOTING PILE LAYOUT" OR "PIER 6 SPREAD FOOTING LAYOUT".
3. FOR CAP REINFORCING DETAILS SEE "PIERS 1-3, 5-8 CAP REINFORCING".
4. FOR PIER DIMENSIONS SEE "PIERS 5-8 LAYOUT".

NO.	DATE	REVISION	BY
1	6/6/16	SHAFT TIE BARS & CALL OUTS	JDL
2	7/1/16	SHAFT VERTICAL BARS	JDL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURE B-70-405
PIERS 5-8
SHAFT REINFORCING

DESIGNED BY: JDL
DRAWN BY: JCF
CHECKED BY: JCF

SHEET 28 OF 85
525

ELEVATION
(FOR FOOTING REINFORCING SEE SHEET "PIERS 5, 7-9 FOOTING PILE LAYOUT" OR "PIER 6 SPREAD FOOTING LAYOUT")

LOCATION	BEARING MARK	TYPE	SKEW ANGLE (DEGREES)	VERTICAL LOAD (KIPS)				TRANSVERSE LOADS (KIPS)				LONGITUDINAL LOADS** (KIPS)			LONG. TEMP. MOVEMENT (FOR 90 DEGREES) (IN.)	TAPERED SOLE PLATE THICKNESS (IN.)			NOMINAL BEARING DIMENSIONS (IN.)							ANCHOR BOLTS		TOP CONN. BOLTS					
				DC	DW	WS	WL	CE	LL+1	WS	WL	TU	CE	WS		WL	TU	BR	HA	HB	CC	A	B	C	D	E	H	NO.	DIA. (IN.)	NO.	DIA. (IN.)		
Unit 1	WAA THRUWAE	GUIDED	0	73	7	11	32	2	-2	7	-7	103	21	7	1	3	4	20	2.5	1.250	1.750	1.50	16.00	16.25	22.25	14.25	17.5	5.75	4	1 1/4	4	7/8	
	PIA THRUPIE	GUIDED	0	282	26	26	-74	4	-4	14	-14	197	-26	17	3	8	55	1.7	1.250	2.125	1.69	20.00	29.25	27.88	19.88	17.5	7.00	4	1 1/4	4	7/8		
	P2A THRU P2E	FIXED	0	292	27	30	64	5	-5	14	-14	197	-28	19	3	8	5	1	19	17	1.250	1.688	1.47	16.75	16.75	28.75	20.75	17.5	6.88	4	1 1/4	4	7/8
	P3A THRU P3E	GUIDED	0	275	26	26	-74	4	-4	14	-14	194	-27	17	3	8	54	1.7	1.250	1.938	1.59	20.00	29.25	27.88	19.88	17.5	7.00	4	1 1/4	4	7/8		
	P4A THRU P4E	GUIDED	0	74	7	11	-32	2	-2	7	-7	103	-20	7	1	3	4	20	2.5	1.250	1.750	1.50	14.75	24.25	22.25	14.25	17.5	5.75	4	1 1/4	4	7/8	
	P4F THRU P4J	GUIDED	0	81	8	12	-35	2	-2	7	-7	104	-21	8	1	3	4	21	2.5	2.000	2.563	2.28	16.00	26.75	23.25	15.25	17.5	5.88	4	1 1/4	4	7/8	
	P5A THRU P5E	GUIDED	0	302	28	28	-78	5	-5	14	-14	198	-26	18	3	8	58	3.2	1.250	1.813	1.53	21.75	31.50	28.63	20.63	17.5	7.13	4	1 1/4	4	7/8		
	P6A THRU P6E	FIXED	0	280	26	29	82	5	-5	14	-14	200	-36	19	3	8	5	1	13	17	1.250	1.500	1.38	16.75	16.75	28.75	20.75	17.5	6.88	4	1 1/4	4	7/8
	P7A THRU P7E	FIXED	0	254	24	29	82	5	-5	14	-14	198	-40	19	3	8	5	1	12	17	1.250	1.638	1.34	16.75	16.75	28.75	20.75	17.5	6.88	4	1 1/4	4	7/8
	P8A THRU P8E	GUIDED	0	363	33	31	-87	5	-5	14	-14	215	-29	3	8	8	66	2.4	1.250	1.900	1.38	23.00	31.25	29.50	21.50	17.5	7.50	4	1 1/4	4	1		
	P9A THRU P9E	GUIDED	0	117	11	21	-50	3	-3	9	-9	118	-19	13	2	4	28	3.5	1.250	1.375	1.31	16.75	27.00	24.00	16.00	17.5	6.25	4	1 1/4	4	7/8		
	P10A THRU P10E	GUIDED	0	149	14	23	-53	4	-4	9	-9	124	-18	14	2	4	32	4.5	1.250	1.375	1.31	17.75	29.00	25.00	17.00	17.5	6.38	4	1 1/4	4	7/8		
	P11A THRU P11E	FIXED	0	297	27	42	-99	7	-7	18	-18	221	-55	26	3	8	61	3.3	1.250	1.250	1.25	21.75	31.50	28.63	20.63	17.5	7.13	4	1 1/4	4	1		
	P12A THRU P12E	FIXED	0	490	41	56	-131	9	-9	18	-18	257	-56	35	4	8	8	1	29	17	1.313	1.250	1.24	21.25	21.25	33.25	25.25	17.5	7.75	4	1 1/4	8	7/8
	P13A THRU P13E	FIXED	0	527	45	65	-151	10	-10	18	-18	263	-55	40	5	8	10	2	21	17	1.438	1.250	1.34	21.25	21.25	33.25	25.25	17.5	7.75	4	1 1/4	8	7/8
	P14A THRU P14E	GUIDED	20.67	424	38	52	-122	8	-8	18	-18	246	-40	32	4	8	8	79	3.1	1.625	1.250	1.44	22.00	33.25	30.75	22.75	17.5	7.88	4	1 1/4	8	7/8	
	PIER 14 (PIER 8 B-70-400)	GUIDED	20.67	130	13	16	-48	5	-5	12	-12	117	-25	12	2	3	6	29	4.4	1.438	1.250	1.34	22.00	19.75	24.00	16.00	17.5	6.25	4	1 1/4	4	7/8	

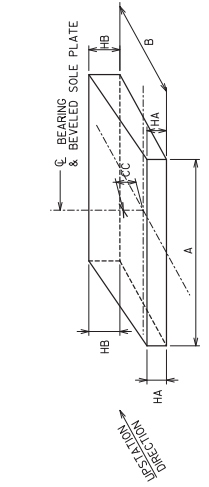
NEGATIVE VALUES GIVEN ACT IN UPWARD DIRECTION
 ** EXPANSION PIER LONGITUDINAL FORCE LIMITED TO 0.1 FRICTION COEF. TIMES MAX. VERT. LOAD

NOTES:

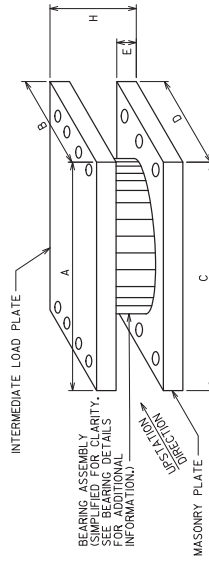
SEE BEARING DETAILS SHEET FOR TYPICAL BEARING DETAILS.
 BEARING DIMENSIONS SHOWN ARE NOMINAL VALUES ONLY AND MAY VARY WITH THE SELECTED MANUFACTURER. BEARING DIMENSIONS VARY FROM MANUFACTURER TO MANUFACTURER. DIMENSIONS SHALL COORDINATE WITH THE STEEL ORDER FABRICATOR TO ASSURE THERE ARE NO CONFLICTS WITH OTHER DIMENSIONS. THE FABRICATOR IS RESPONSIBLE TO DETERMINE WHAT ELEMENTS REQUIRE RE-DESIGN AND TO RE-DESIGN THEM, SUBJECT TO APPROVAL BY THE ENGINEER.
 HORIZONTAL FORCES SPECIFIED IN THE TABLE ARE THE EXPECTED APPLIED FORCES. DESIGN BEARINGS AND CONNECTIONS FOR THESE DEAD LOADS, WHICHEVER IS LARGER.
 MAXIMUM SERVICE LOAD ROTATION IS 0.003 RADIANS. DESIGN BEARINGS FOR AN ADDITIONAL RADIANS FOR FABRICATION AND INSTALLATION TOLERANCES, AND 0.005 RADIANS FOR UNCERTAINTIES IN ALL BEARINGS FOR A MINIMUM 0.020 RADIANS OF TOTAL ROTATION.



William C. Decker SDR
 07/06/16



BEVELED SOLE PLATE DIMENSION KEY
 (HOLES MATCHING INTERMEDIATE LOAD PLATE NOT SHOWN FOR CLARITY)



BEARING DIMENSION KEY

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 536
 July 6, 2016

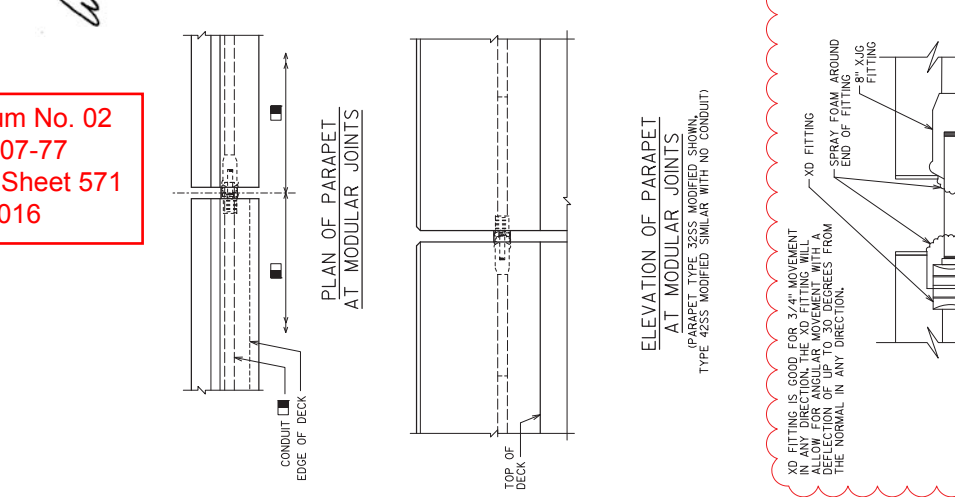
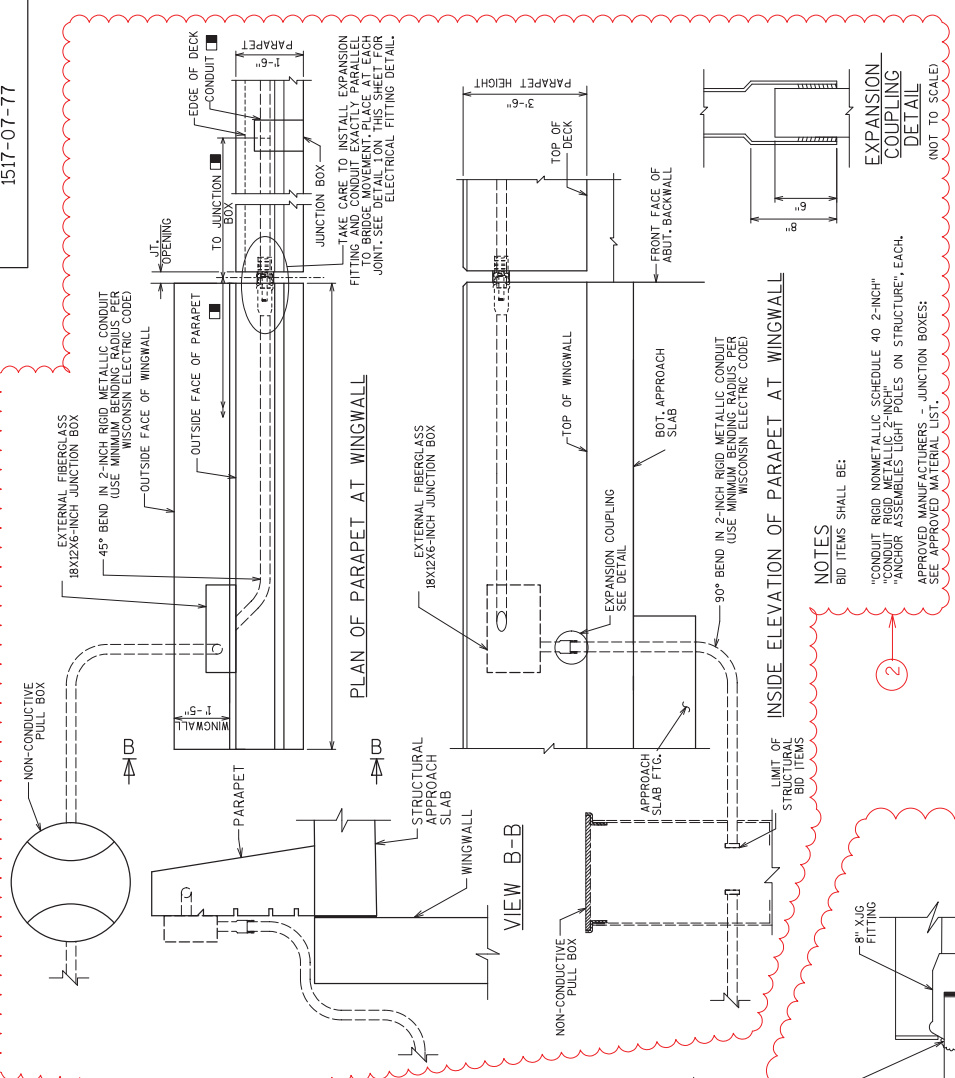
2	7/7/16	UPDATED TAPERED SOLE PLATE	JDL
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-70-405			
DESIGNED BY		PLANS MANA	
CHECKED BY		PLANS MANA	
DATE		SHEET 39 OF 85	
PROJECT NO.		BEARING DESIGN DATA	
SHEET NO.		536	

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 571
 July 6, 2016

William C. Decker SDR
 07/06/16



STATE PROJECT NUMBER
 1517-07-77



NO.	DATE	REVISION	BY
1	5/7/16	REVISED FITTING DETAIL	JDL
2	7/1/16	CONDUIT ROUTING AT BRIDGE END	MJA

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION
 STRUCTURE B-70-405
 PARAPET ELECTRICAL
 SHEET 74 OF 85
 571

APPROVED MANUFACTURER OR EQUIVALENT - EXPANSION FITTING:
 TO "CONDUIT RIGID METALLIC 2-INCH".
 WHEN CONNECTING NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY
 ADAPTER FITTINGS ULL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED.

APPROVED MANUFACTURERS - JUNCTION BOXES:
 SEE APPROVED MATERIAL LIST.

NOTES
 BID ITEMS SHALL BE:
 "CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH"
 "CONDUIT RIGID METALLIC 2-INCH"
 "CONDUIT RIGID METALLIC 2-INCH"
 APPROVED MANUFACTURERS - JUNCTION BOXES:
 SEE APPROVED MATERIAL LIST.

APPROVED MANUFACTURER OR EQUIVALENT - EXPANSION FITTING:
 TO "CONDUIT RIGID METALLIC 2-INCH".
 WHEN CONNECTING NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY
 ADAPTER FITTINGS ULL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED.

APPROVED MANUFACTURERS - JUNCTION BOXES:
 SEE APPROVED MATERIAL LIST.

APPROVED MANUFACTURER OR EQUIVALENT - EXPANSION FITTING:
 TO "CONDUIT RIGID METALLIC 2-INCH".
 WHEN CONNECTING NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY
 ADAPTER FITTINGS ULL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED.

REINFORCING STEEL

ALL REINFORCING BARS ARE ENGLISH AND THE FIRST OR THE FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE.
 REINFORCING STEEL SHALL BE HIGH STRENGTH, ASTM A615, GRADE 60 WITH Fy=60 KSI. APPROACH SLAB CONNECTION TO THE ABUTMENT, PROVIDE STAINLESS STEEL REINFORCEMENT CONFORMING TO ASTM A955, GRADE 60 REQUIREMENTS.
 REINFORCING STEEL SHALL BE UNCOATED IN FOOTINGS AND ABUTMENT BODY (EXCEPT PIER SHAFT DOWELS) AND EPOXY COATED IN ALL OTHER LOCATIONS INCLUDING PIER SHAFT DOWELS.
 PLACE ALL REINFORCEMENT WITH A MINIMUM CLEAR COVER OF 2" UNLESS NOTED OTHERWISE.
 PLACE TOP LAYERS OF REINFORCING STEEL IN THE DECK SURFACE WITH 2 1/2" CLEAR COVER TO TOP OF SLAB.
 PLACE BOTTOM LAYER OF REINFORCING STEEL IN THE DECK WITH 1/2" CLEAR COVER TO BOTTOM OF SLAB.

CONCRETE

CONCRETE QUANTITY IN THE HAUNCHES IS CALCULATED BASED ON THE AVERAGE HAUNCH DEPTH PROVIDED ON SHT. 37, 45W UNLESS NOTED OTHERWISE.
 CHAMFER ALL EXPOSED OUTSIDE CORNERS 3/4" UNLESS NOTED OTHERWISE.
 PRIMEWET SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP SURFACE OF ALL EXPOSED PAVEMENT SURFACES. PAVEMENT SURFACES SHALL BE TREATED WHERE THE PLANS OR SPECIAL PROVISIONS REQUIRE STANING OR OTHER TREATMENT.
 PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO TOP OF DECK AND STRUCTURAL APPROACH SLAB.
 CONCRETE FOR ABUTMENT AND EXPANSION PIER DIAPHRAGMS SHALL BE PLACED IN THE DECK CONCRETE AND OPTIMAL CONSTRUCTION JOINTS WILL BE PERMITTED IF OPTIMAL CONSTRUCTION JOINT IS USED IN FIXED PIER DIAPHRAGMS, DECK FOUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF DIAPHRAGM POUR.
 POLYMER OVERLAY TO BE APPLIED TO DECK AND APPROACH APRON, AS A PART OF CONTRACT 1517-07-80.

OTHER DESIGN LOADS

THE STRUCTURE IS DESIGNED FOR THE DECK THICKNESS SHOWN, AN ADDITIONAL LOAD OF 20 PSF FOR A FUTURE WEARING SURFACE AND 5 PSF FOR A FUTURE POLYMER OVERLAY ARE CONSIDERED IN THE DESIGN.
 TEMPERATURE CHANGE FOR DETERMINING THERMAL FORCES ON SUBSTRUCTURES = 45°F.
 PARABETS WERE ASSUMED TO WEIGH 638 PLF AND 539 PLF FOR 4255 AND 3255 SECTIONS RESPECTIVELY.
 ALL OTHER LOADS IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

DESIGN CRITERIA

DESIGN IS IN ACCORDANCE WITH AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATIONS AND THE INSDOT BRIDGE MANUAL.
 ALL DETAILS, MATERIALS, AND FABRICATION SHALL CONFORM TO THE STATE OF WISCONSIN STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION OF THE STANDARD SPECIFICATIONS AT THE TIME OF CONSTRUCTION.
 LIVE LOAD PLUS DYNAMIC LOAD DEFLECTION LIMIT = SPAN / 800 (HL93).

Addendum No. 02
ID 1517-07-77
Revised Sheet 585
July 6, 2016



1	7/1/16	ADDED BID ITEM	JDL
	NO. DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-70-406			
DRAWN BY		DATE	SCALE
KAM		7/1/16	M/A
GENERAL NOTES AND QUANTITIES			SHEET 3 OF 65
			585

GENERAL NOTES:

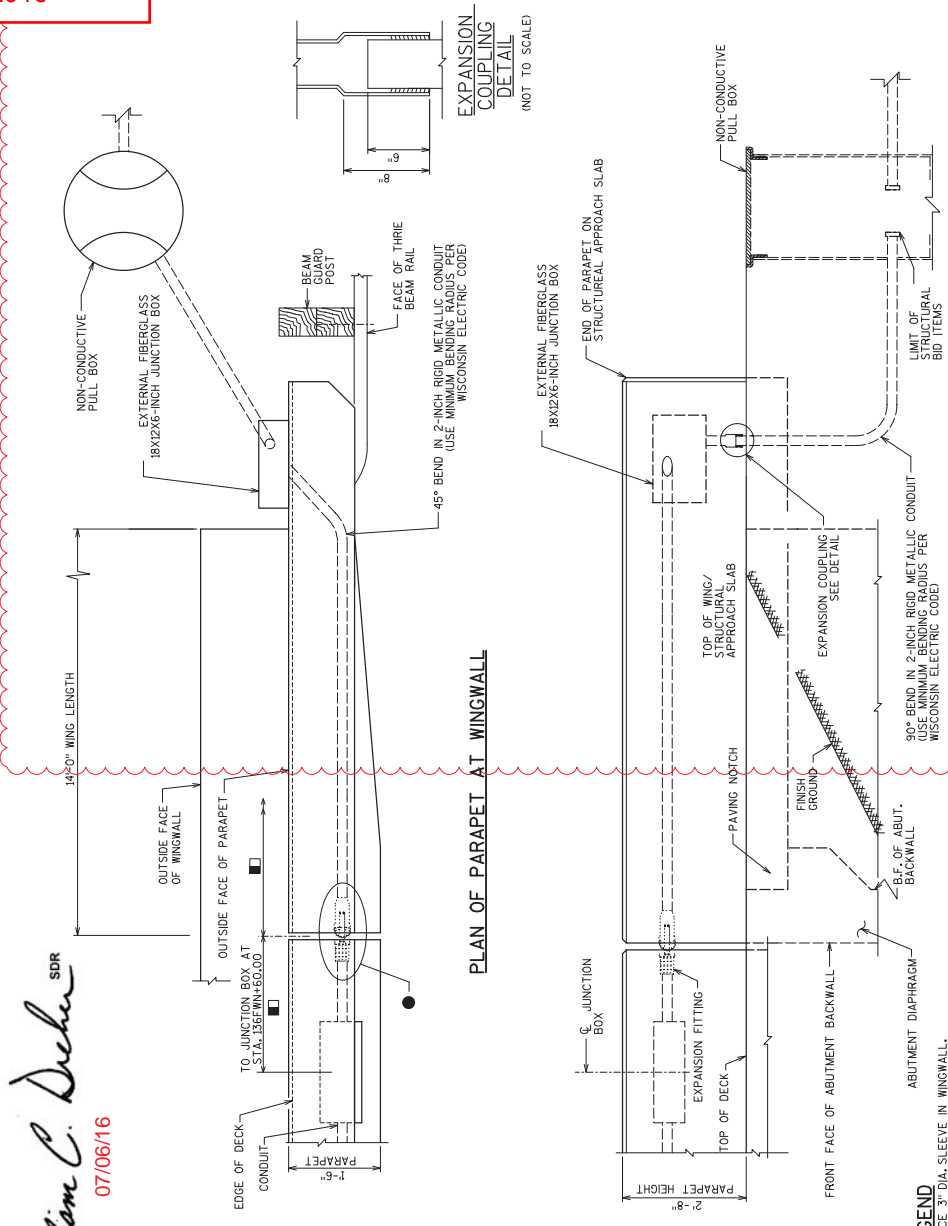
DRAWINGS SHALL NOT BE SCALED.
 ALL DIMENSIONS ARE IN SURVEY FEET AND SURVEY INCHES. ALL STATIONS AND ELEVATIONS ARE IN SURVEY FEET.
 ELEVATIONS ON THIS PLAN ARE REFERENCED TO NGVD 29.
 THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR CONSIDERED ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES.
 JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M53, TYPE 1, 1K OR 10R M25.
 THE EXISTING GROUND LINE IS THE UPPER LIMIT OF EXCAVATION FOR STRUCTURES. ELASTOMER BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT ANGERS ARE SMOOTH AND TRUE.
 THE SLOPE OF FILL IN FRONT OF THE WEST ABUTMENT SHALL BE COVERED WITH STABILIZING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

William C. Decker
 SDR
 07/06/16

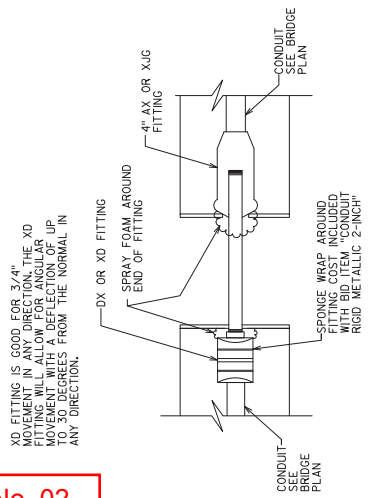
TOTAL ESTIMATED QUANTITIES

BID ITEM #	BID ITEM	UNIT	SUPER. SPANS	W. STR. APPR.	W. ABUT.	PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	PIER 7	PIER 8	PIER C1	TOTAL
206.1000.702	EXCAVATION FOR STRUCTURES BRIDGES B-70-406	LS	-	-	-	-	-	-	-	-	-	-	-	-	1
305.0020	BASE AGGREGATE DENSE 1 1/2-INCH	TON	-	150	-	-	-	-	-	-	-	-	-	-	150
501.000.5	ICE HOT WEATHER CONCRETING	LB	-	-	-	-	-	-	-	-	-	-	-	-	22955
502.3100.702	EXPANSION DEVICE B-70-406	LS	1	-	-	-	-	-	-	-	-	-	-	-	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY	885	25	-	-	-	-	-	-	-	-	-	-	2940
502.3220	PRIMEWET SURFACE SEALER 45#-INCH	LB	470	20	-	-	-	-	-	-	-	-	-	-	810
505.0040	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	-	5570	9260	8220	5270	5270	8200	12220	8670	-	-	70350
505.080.5	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	310390	8870	3100	27900	27880	26000	27640	25140	27100	27430	2810	-	533870
506.260.5	BEARING PADS ELASTOMER NON-LAMINATED	EACH	-	-	-	-	10	-	-	-	10	10	-	-	30
506.4000.102	STEEL DIAPHRAGMS B-70-406	EACH	72	-	-	-	-	-	-	-	-	-	-	-	72
506.6000.101	BEARING ASSEMBLES EXPANSION B-70-406	EACH	-	5	10	10	10	10	990	650	-	-	10	5	60
511.200.701	TEMPORARY SHORING B-70-406	SF	-	-	-	-	-	-	-	-	-	-	-	-	1640
514.0450	FLOOR DRAINS TYPE WF	EACH	2	-	-	-	-	-	50	-	-	-	-	-	2
514.2608	DOWNSPOUT 8-INCH	LF	-	-	-	-	-	-	-	-	-	-	-	-	100
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	15	-	-	-	-	-	-	-	-	-	-	15
517.100.5.702	CONCRETE STAINING B-70-406	SF	26365	130	565	1775	1760	1715	1945	1740	1885	1910	1595	-	41385
517.100.5.702	ARCHITECTURAL SURFACE TREATMENT B-70-406	SF	3805	80	395	-	-	-	-	-	-	-	-	-	4280
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	LF	-	-	-	-	-	-	368	360	312	-	-	-	1040
550.0500	PILE POINTS	EACH	-	-	28	26	26	26	6	6	26	26	-	-	140
550.1020	PILING STEEL HP 12-INCH X 53 LB	LF	-	-	-	420	442	442	470	390	338	700	1066	-	4268
604.0600	SLOPE PAVING SELECT CRUSHED MATERIAL	SY	-	100	-	-	-	-	1	-	-	-	-	-	100
606.0300	RRPAP HEAVY	CY	-	3	-	-	-	-	-	-	-	-	-	-	4
612.0008	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	50	-	-	-	-	-	-	-	-	-	-	50
614.0150	ANCHOR ASSEMBLES FOR STEEL PLATE BEAM GUARD	EACH	-	2	-	-	-	-	-	-	-	-	-	-	2
645.0120	GEOTEXTILE FABRIC TYPE HR	LF	57	15	-	-	-	-	5	-	-	-	-	-	20
652.025	CONDUIT RIGID METALLIC 2-INCH	LF	895	40	-	-	-	-	-	-	-	-	-	-	20
653.022	ANCHOR ASSEMBLY FOR SCHEDULE 40 2-INCH	LF	895	4	-	-	-	-	-	-	-	-	-	-	895
653.0222	JUNCTION BOXES 18X24X6-INCH	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
657.6005.5	JUNCTION BOXES 18X24X6-INCH	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
657.6005.5	ANCHOR ASSEMBLY LIGHT POLES ON STRUCTURES	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
SP4.0355.100	MODIFIED HIGH PERFORMANCE CONCRETE (MPC) MASONRY BRIDGES	CY	1282	50	108	235	200	206	191	170	193	229	191	-	3055
SP4.0660.109	JUNCTION BOXES FIBERGLASS 18X24X6-INCH	EACH	-	1	465	-	-	-	-	-	-	-	-	-	465
SP7.0865.700	ABUTMENT BACKWALL SOIL REINFORCEMENT	SF	-	-	-	-	-	-	-	-	-	-	-	-	1
	NON BID ITEMS	SIZE	-	-	-	-	-	-	-	-	-	-	-	-	1/2" & 3/4"
	FILLER	EACH	-	-	-	-	-	-	-	-	-	-	-	-	1
	NAME PLATE	EACH	-	-	-	-	-	-	-	-	-	-	-	-	1

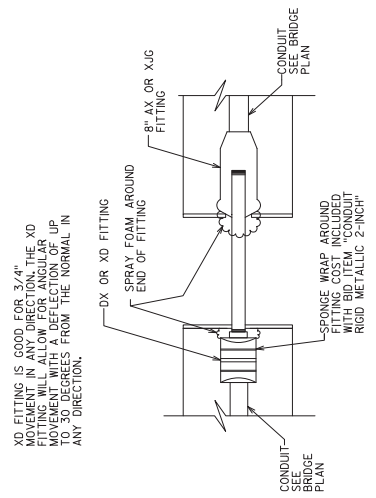
Addendum No. 02
ID 1517-07-77
Revised Sheet 646
July 6, 2016



William C. Decher SDR
07/06/16



DETAIL 1
ELECTRICAL FITTING - AX/DX CONNECTION
PARAPET STRIP SEAL BRIDGE JOINT - W. ABUT.
1 1/2\"/>



DETAIL 2
ELECTRICAL FITTING - AX/DX CONNECTION
PARAPET STRIP SEAL BRIDGE JOINT - PIER 4
1 1/2\"/>



AESTHETIC DETAILS NOT SHOWN FOR CLARITY.
TERMINATE CONDUIT AT 24\"/>

NOTES
1. CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH\"/>

LEGEND
□ USE RIGID METALLIC CONDUIT TO JUNCTION BOX IN PARAPET ON DECK FOR DRAINAGE.
▲ CUT OUT 1\"/>

NO.	DATE	REVISION	BY
1	7/1/16	CONDUIT ROUTING AT BRIDGE END	MJA

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
STRUCTURE B-70-406	
DESIGNED BY	KAM
CHECKED BY	MJA
PARAPET 32SS ELECTRICAL WORK	
SHEET 64 OF 65 646	

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 668
 July 6, 2016

STATION	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	Fill	Cut	Fill	
142+50 AH	0.00	59.00	10.70	0.00	0.00	0.00	0.00	0.00
143+00	49.99	863.90	0.00	854.37	9.91	854.37	9.91	844.46
143+50	50.00	3052.70	0.00	3626.48	0.00	4480.85	9.91	4470.94
144+00	50.00	3253.90	0.00	5839.44	0.00	10320.29	9.91	10310.39
144+50	50.00	2519.90	0.00	5346.11	0.00	15666.40	9.91	15656.50
145+00	50.00	3634.00	0.00	5698.06	0.00	21364.46	9.91	21354.55
145+50	50.00	6588.40	0.00	9465.19	0.00	30829.64	9.91	30819.74
146+00	50.00	6164.60	0.00	11808.33	0.00	42637.98	9.91	42628.07
146+50	50.00	3290.20	0.00	8754.44	0.00	51392.42	9.91	51382.52
147+00	50.00	1659.90	0.00	4583.43	0.00	55975.85	9.91	55965.94
147+50	50.00	1774.20	0.00	3179.72	0.00	59155.57	9.91	59145.66
148+00	50.00	2175.80	0.00	3657.41	0.00	62812.98	9.91	62803.07
148+50	50.00	3536.10	0.00	5288.80	0.00	68101.77	9.91	68091.87
149+00	50.00	4839.30	0.00	7755.00	0.00	75856.77	9.91	75846.87
149+50	50.00	5125.30	0.00	9226.48	0.00	85083.26	9.91	85073.35
150+00	50.00	4667.40	0.00	9067.31	0.00	94150.57	9.91	94140.66
150+50	50.00	4401.30	0.00	8396.94	0.00	102547.51	9.91	102537.61
151+00	50.00	3609.20	0.00	7417.13	0.00	109964.64	9.91	109954.74
151+50	50.00	2961.40	0.00	6083.89	0.00	116048.53	9.91	116038.63
152+00	50.00	2246.10	0.00	4821.76	0.00	120870.29	9.91	120860.39
152+50	50.00	1681.04	0.00	3636.24	0.00	124506.53	9.91	124496.63
152+91 BK	41.49	929.08	0.00	2005.44	0.00	126511.97	9.91	126502.07
Column totals				126511.97	9.91			

PROJECT NUMBER: 1517-07-77
 COUNTY: WINNEBAGO
 HWY: USH 10
 ORIGINATOR: JUSTIN ARNDT
 ORIG. DATE: SEPTEMBER 1, 2015

EARTHWORK SUMMARY

SHEET NO: 668

FILE NAMES: \DOT\DOT_NE\15012-Tri County Freeway\1517-07-77\Quantities\080101_LEW_1517-07-77.apk

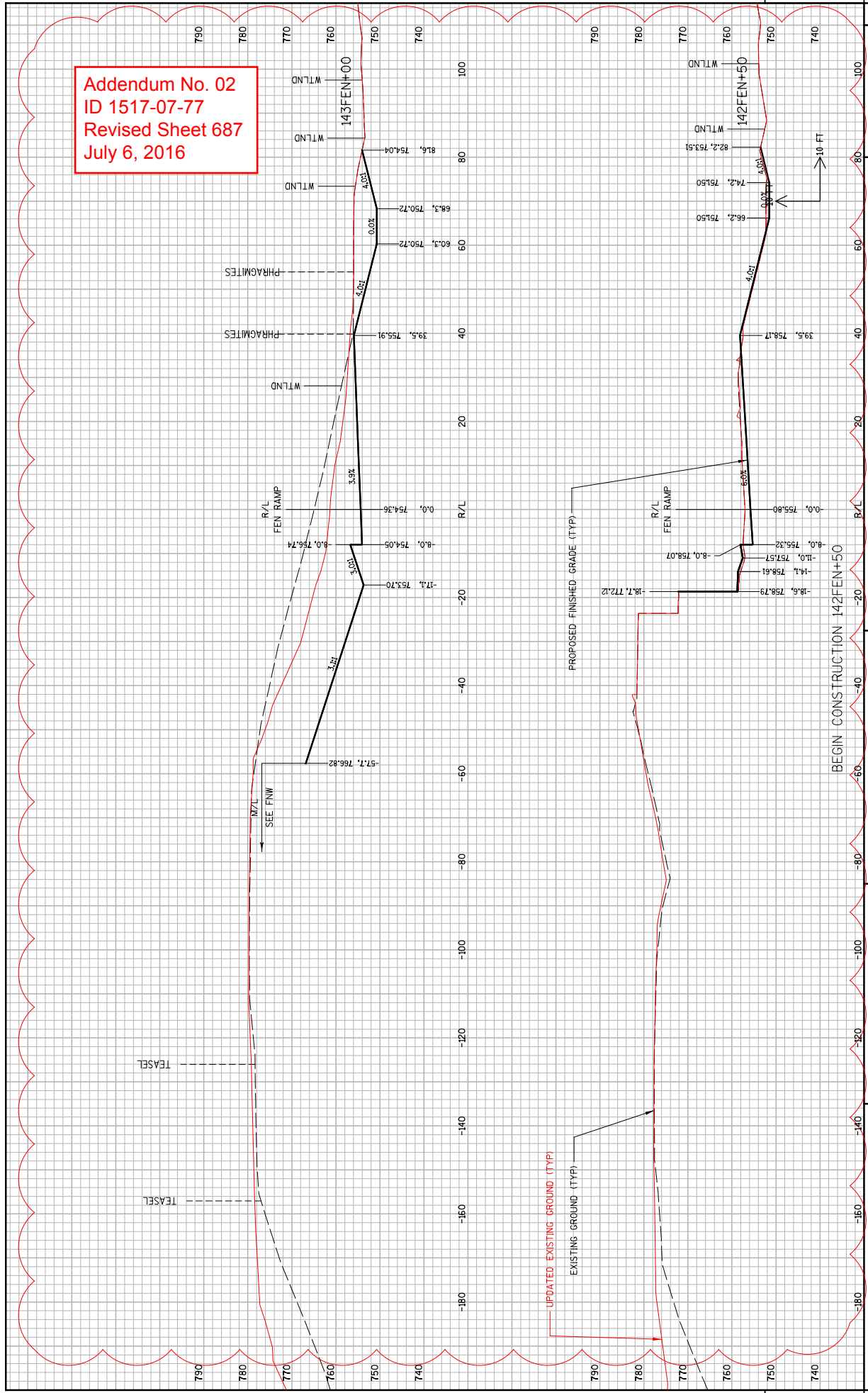
PLOTTED DATE: 6/29/2016 3:57 PM

Addendum No. 02
ID 1517-07-77
Revised Sheet 669
July 6, 2016

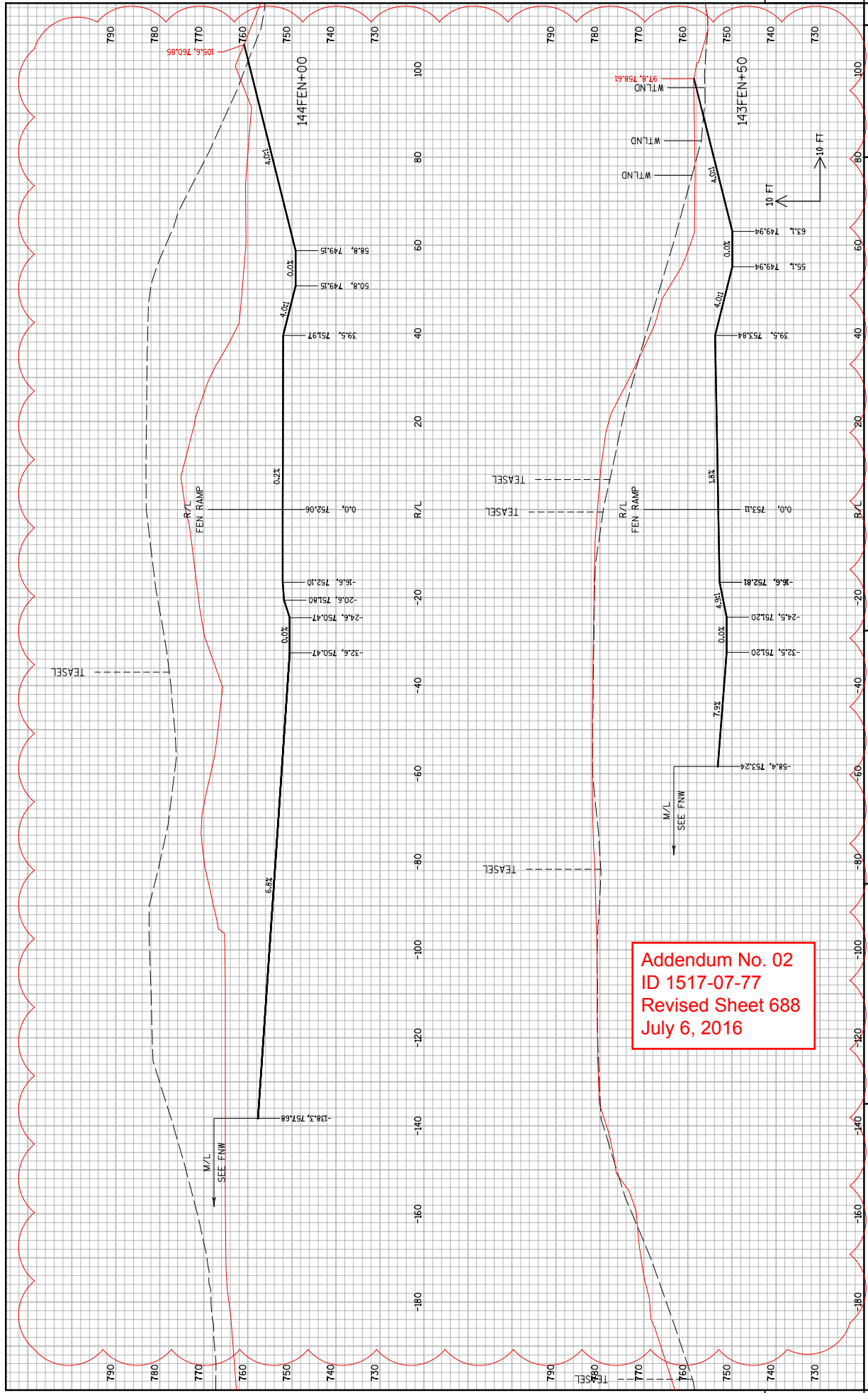
STATION	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	Fill	Cut	Fill	
1323+50 AH	0.00	7.15	0.00	0.00	0.00	0.00	0.00	0.00
1324+00	50.00	5.07	0.00	11.31	0.00	11.31	0.00	11.31
1324+50	50.00	102.50	0.00	99.60	0.00	110.92	0.00	110.92
1325+00	50.00	24.80	4.50	117.87	4.17	228.79	4.17	224.62
1325+50	50.00	30.50	6.50	51.20	10.19	279.99	14.35	265.64
1326+00	50.00	82.20	0.00	104.35	6.02	384.34	20.37	363.97
1326+50	50.00	188.30	0.00	250.46	0.00	634.81	20.37	614.44
1327+00	50.00	319.50	0.00	470.19	0.00	1104.99	20.37	1084.62
1327+50	50.00	511.50	0.00	769.44	0.00	1874.44	20.37	1854.06
1328+00	50.00	753.60	0.00	1171.39	0.00	3045.82	20.37	3025.45
1328+50	50.00	997.00	0.00	1620.93	0.00	4666.75	20.37	4646.38
1329+00	50.00	1296.30	13.10	2123.43	12.13	6790.18	32.50	6757.68
1329+50	50.00	1298.40	18.40	2402.50	29.17	9192.68	61.67	9131.01
1330+00	50.00	1522.00	0.00	2611.48	17.04	11804.16	78.70	11725.45
1330+50	50.00	2431.70	0.00	3660.83	0.00	15464.99	78.70	15386.29
1331+00	50.00	3149.20	0.00	5167.50	0.00	20632.49	78.70	20553.79
1331+50	50.00	3056.00	0.00	5745.56	0.00	26378.05	78.70	26299.34
1332+00	50.00	1614.40	0.00	4324.44	0.00	30702.49	78.70	30623.79
1332+50	50.00	3459.20	0.00	4697.78	0.00	35400.27	78.70	35321.56
1333+00	50.00	3222.10	0.00	6186.39	0.00	41586.66	78.70	41507.95
1333+50	50.00	1557.70	0.00	4425.74	0.00	46012.40	78.70	45933.69
1334+00	50.00	207.60	8.00	1634.54	7.41	47646.94	86.11	47560.82
1334+50	50.00	119.80	0.00	303.15	7.41	47950.08	93.52	47856.56
1335+00	50.00	124.50	0.00	226.20	0.00	48176.29	93.52	48082.77
1335+50	50.00	106.90	0.00	214.26	0.00	48390.55	93.52	48297.03
1336+00	50.00	68.30	0.00	162.22	0.00	48552.77	93.52	48459.25
1336+50	50.00	50.10	0.00	109.63	0.00	48662.40	93.52	48568.88
1336+69 BK	18.81	20.10	0.00	24.45	0.00	48686.85	93.52	48593.33
Column totals				48686.85	93.52			

Column totals

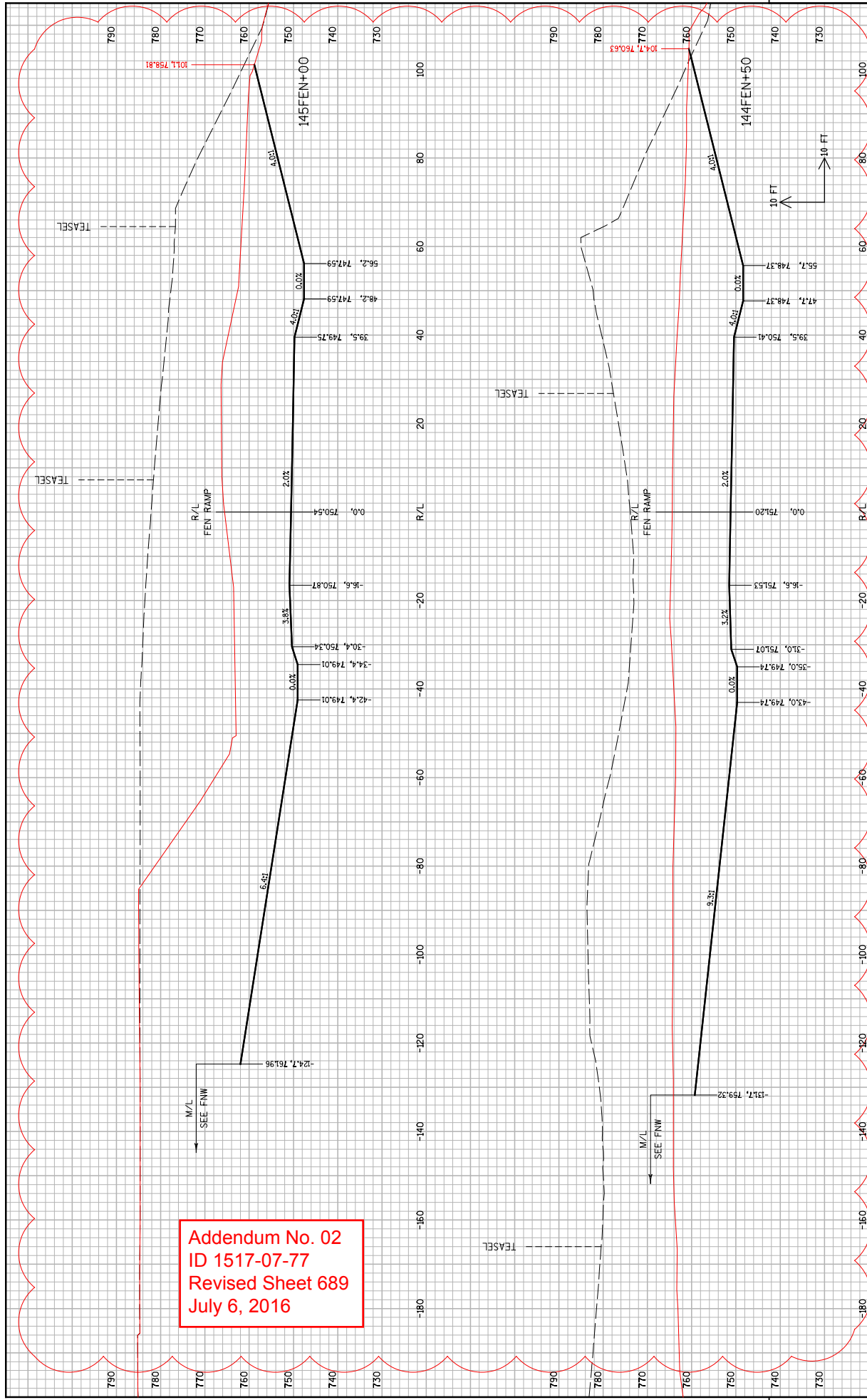
Addendum No. 02
 ID 1517-07-77
 Revised Sheet 687
 July 6, 2016



STATE PROJECT NO: 1517-07-77 COUNTY: WINNEBAGO COUNTY CROSS SECTIONS: FEN RAMP
 HWY: USH 10
 SHEET NO: 687 E
 FILE NAME: S:\007007\1517-07-77\004\Fill\Plan\1517-07-77\004.Fill\Plan\1517-07-77.Fill.Plan.05.dwg
 PLOT DATE: 6/28/2016 PLOT BY: Doversen PLOT NAME: PLOT SCALE: -

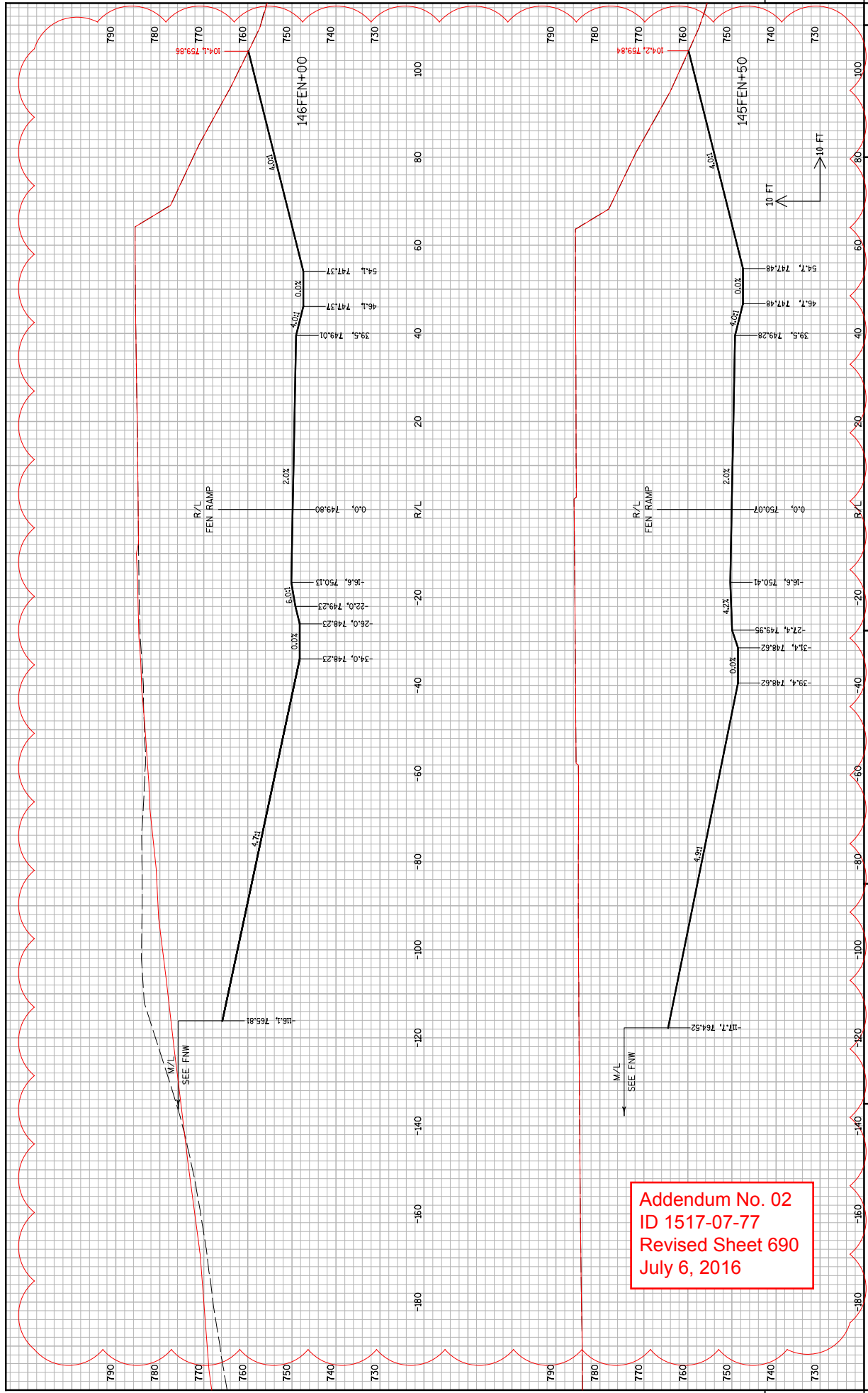


Addendum No. 02
 ID 1517-07-77
 Revised Sheet 688
 July 6, 2016



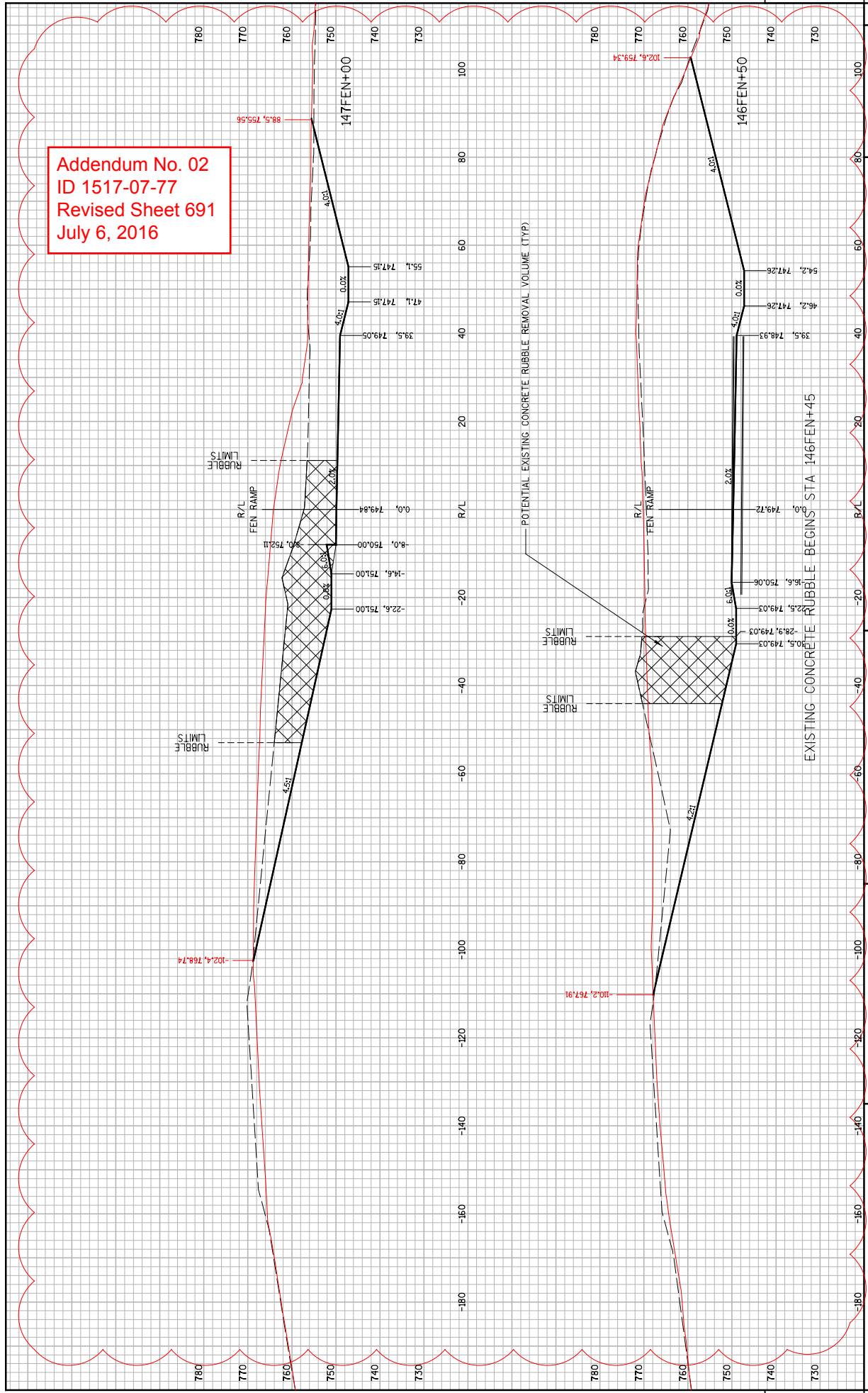
Addendum No. 02
 ID 1517-07-77
 Revised Sheet 689
 July 6, 2016

STATE PROJECT NO: 1517-07-77 HWY: USH 10 COUNTY: WINNEBAGO CROSS SECTIONS: FEN RAMP SHEET NO: 689 E
 FILE NAME: S:\007\007-1517\02-17-1 County Freeway\1517-07-77\004.F.Lisp\Planers\090210.FEN FILL PLG.XS-09 PLOT DATE: 6/28/2016 PLOT BY: Doverson PLOT NAME: PLOT SCALE:



Addendum No. 02
 ID 1517-07-77
 Revised Sheet 690
 July 6, 2016

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 691
 July 6, 2016



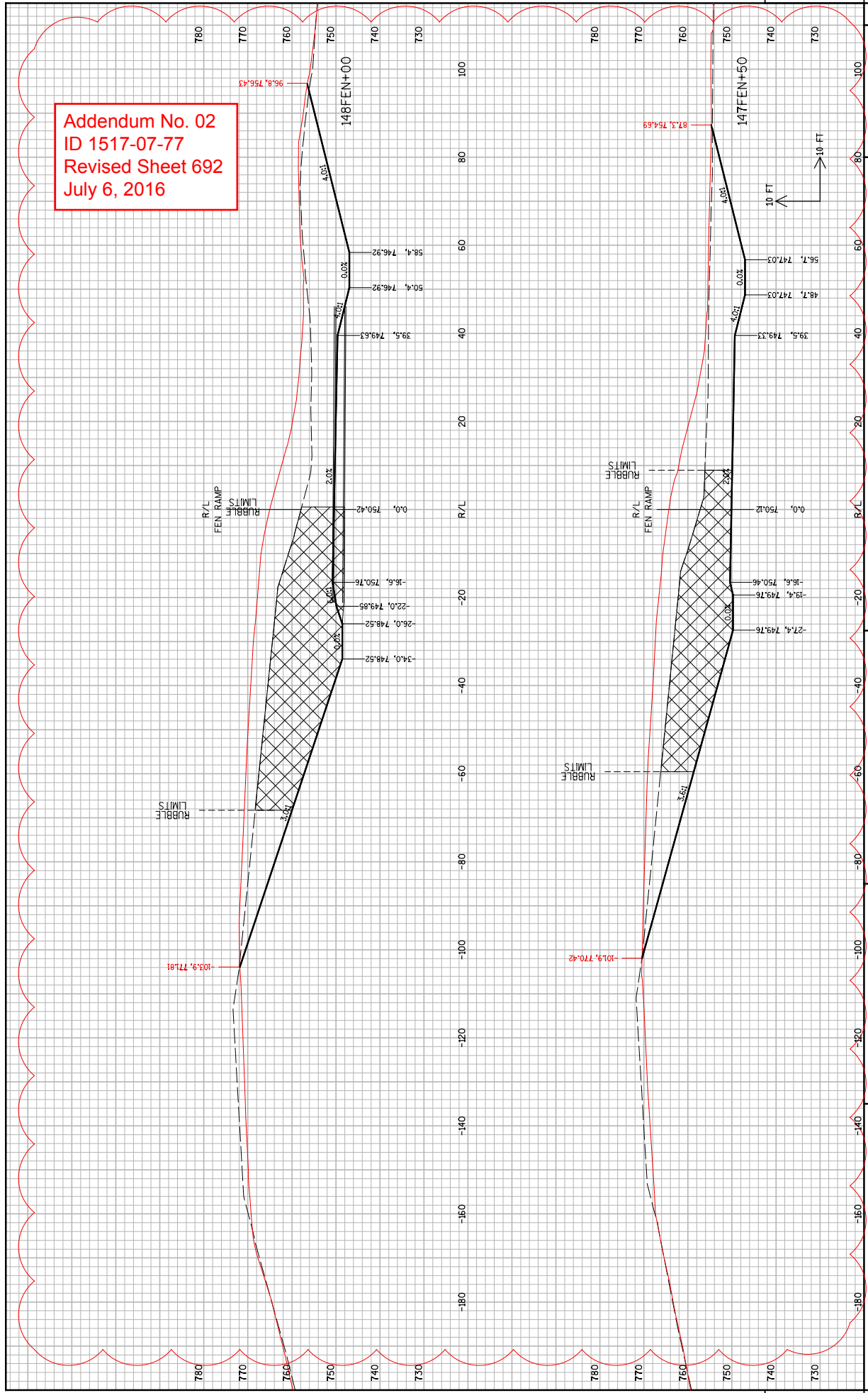
STATE PROJECT NO: 1517-07-77 HWY: USH 10 COUNTY: WINNEBAGO CROSS SECTIONS: FEN RAMP SHEET NO: 691 E

FILE NAME: S:\007007\1517-07-77\1517-07-77\00\Fill\Plan\1517-07-77\Fill_Plan_691.dwg PLOT DATE: 6/28/2016 PLOT BY: Doversen PLOT NAME: - PLOT SCALE: -

9

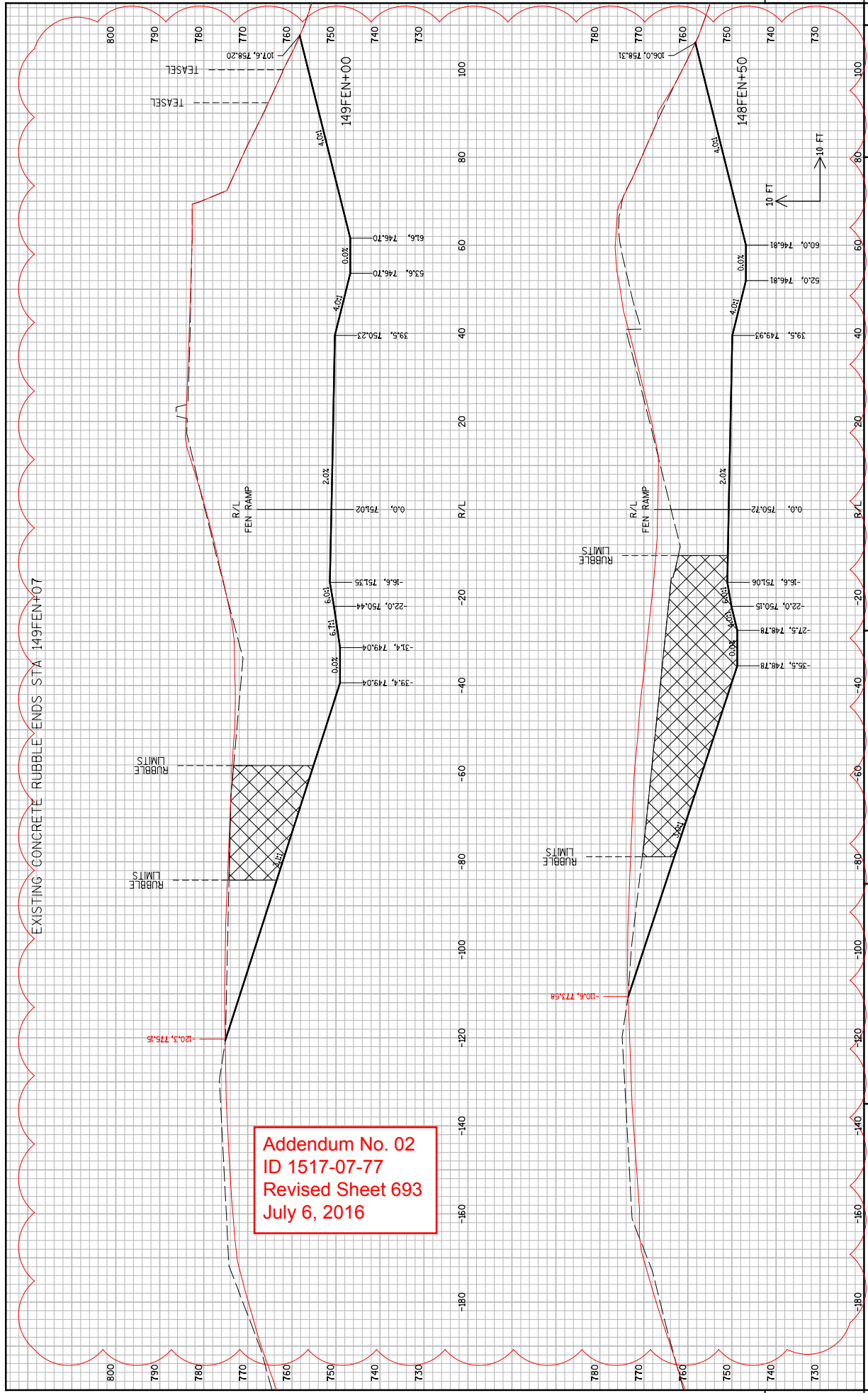
9

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 692
 July 6, 2016



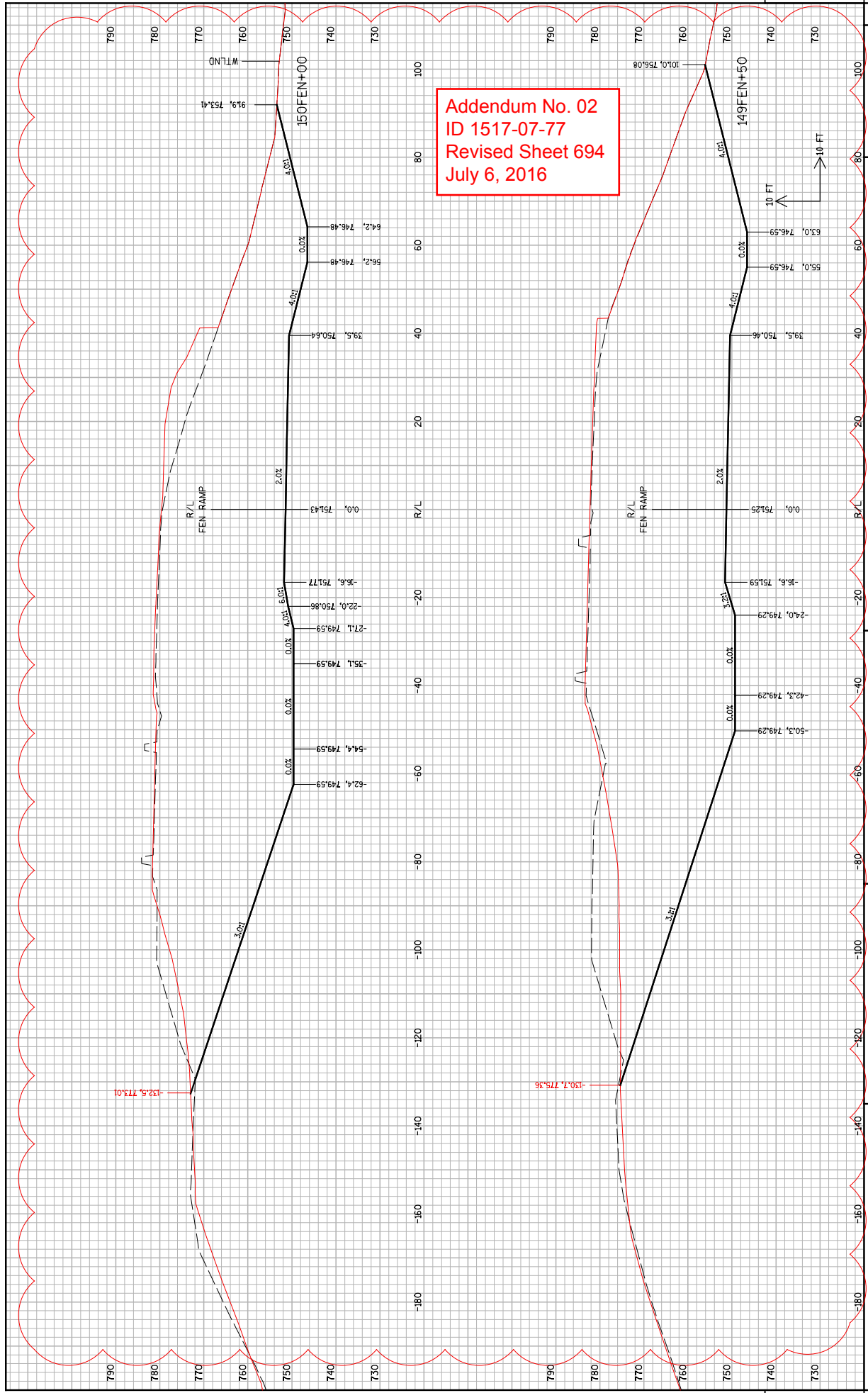
STATE PROJECT NO: 1517-07-77 HWY: USH 10 COUNTY: WINNEBAGO CROSS SECTIONS: FEN RAMP SHEET NO: 692 E

FILE NAME: S:\007\007\1517-07-77\1 County\FreeWay\1517-07-77\004\F.Lisp\Planners\090210_FEN_FILL_PLUG_05.dwg PLOT DATE: 6/28/2016 PLOT BY: Doversen PLOT NAME: COUNTY: WINNEBAGO CROSS SECTIONS: FEN RAMP SHEET NO: 692 E



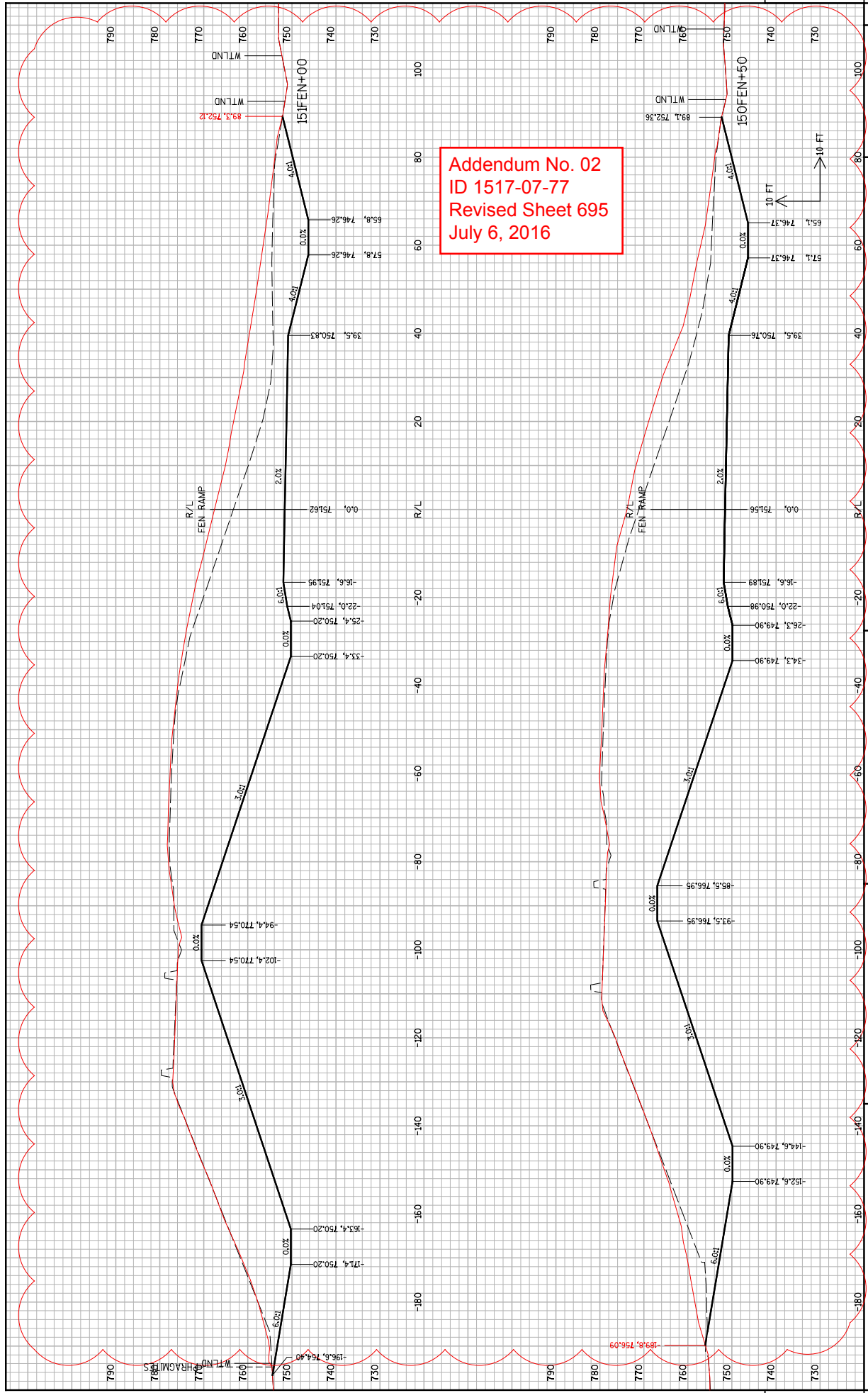
Addendum No. 02
 ID 1517-07-77
 Revised Sheet 693
 July 6, 2016

Addendum No. 02
ID 1517-07-77
Revised Sheet 694
July 6, 2016

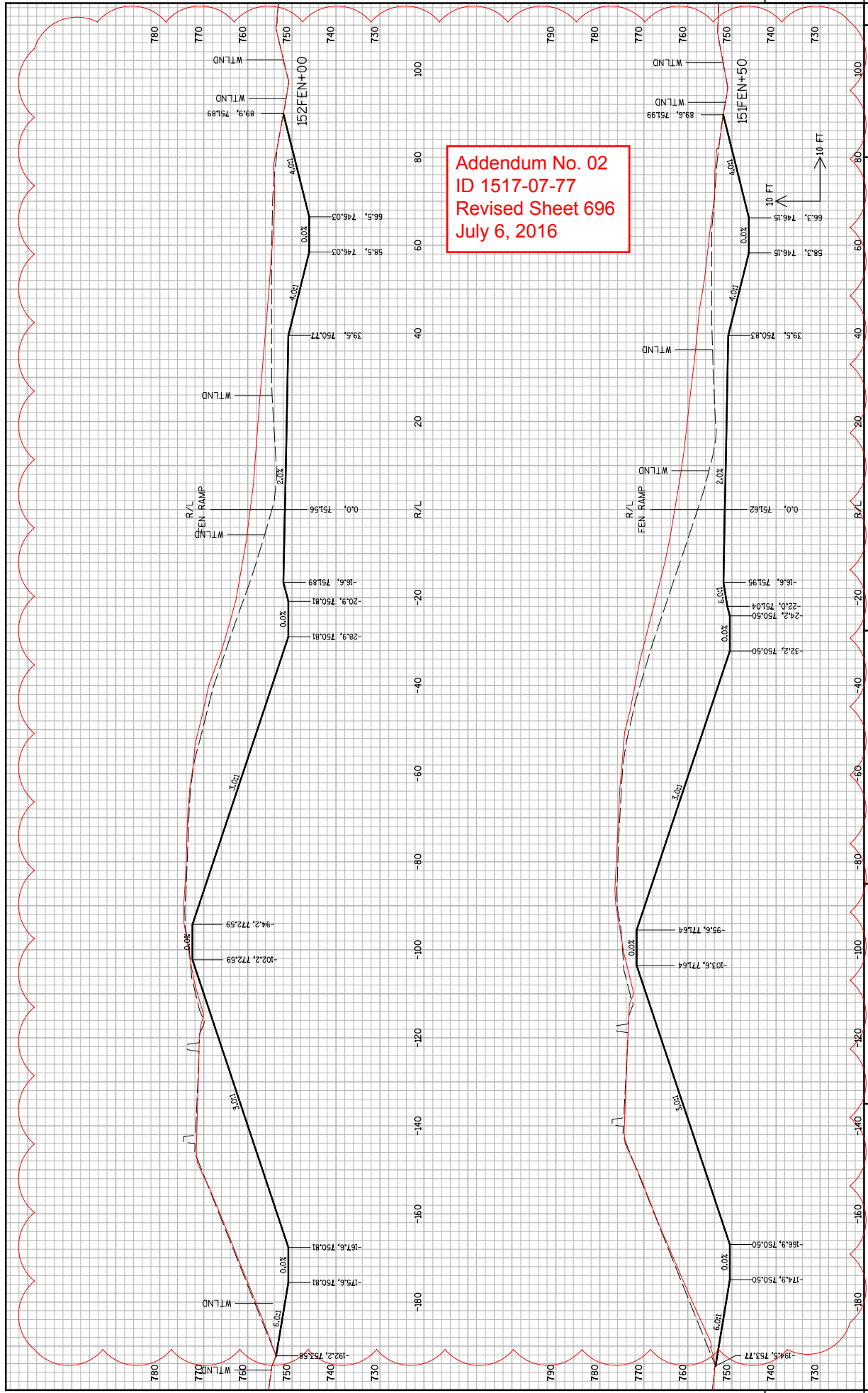


STATE PROJECT NO: 1517-07-77 HWY: USH 10 COUNTY: WINNEBAGO CROSS SECTIONS: FEN RAMP SHEET NO: 694 E

FILE NAME: S:\007\007\14\12002-1\1 County Freeway\1517-07-77\004\Fill\Plan\1517-07-77-004.FIL FILL PLAN 05-16-16 PLOT DATE: 6/28/2016 PLOT BY: Doversen PLOT NAME: COUNTY: WINNEBAGO CROSS SECTIONS: FEN RAMP SHEET NO: 694 E



Addendum No. 02
 ID 1517-07-77
 Revised Sheet 695
 July 6, 2016



STATE PROJECT NO: 1517-07-77 HWY: USH 10 COUNTY: WINNEBAGO CROSS SECTIONS: FEN RAMP SHEET NO: 696 E

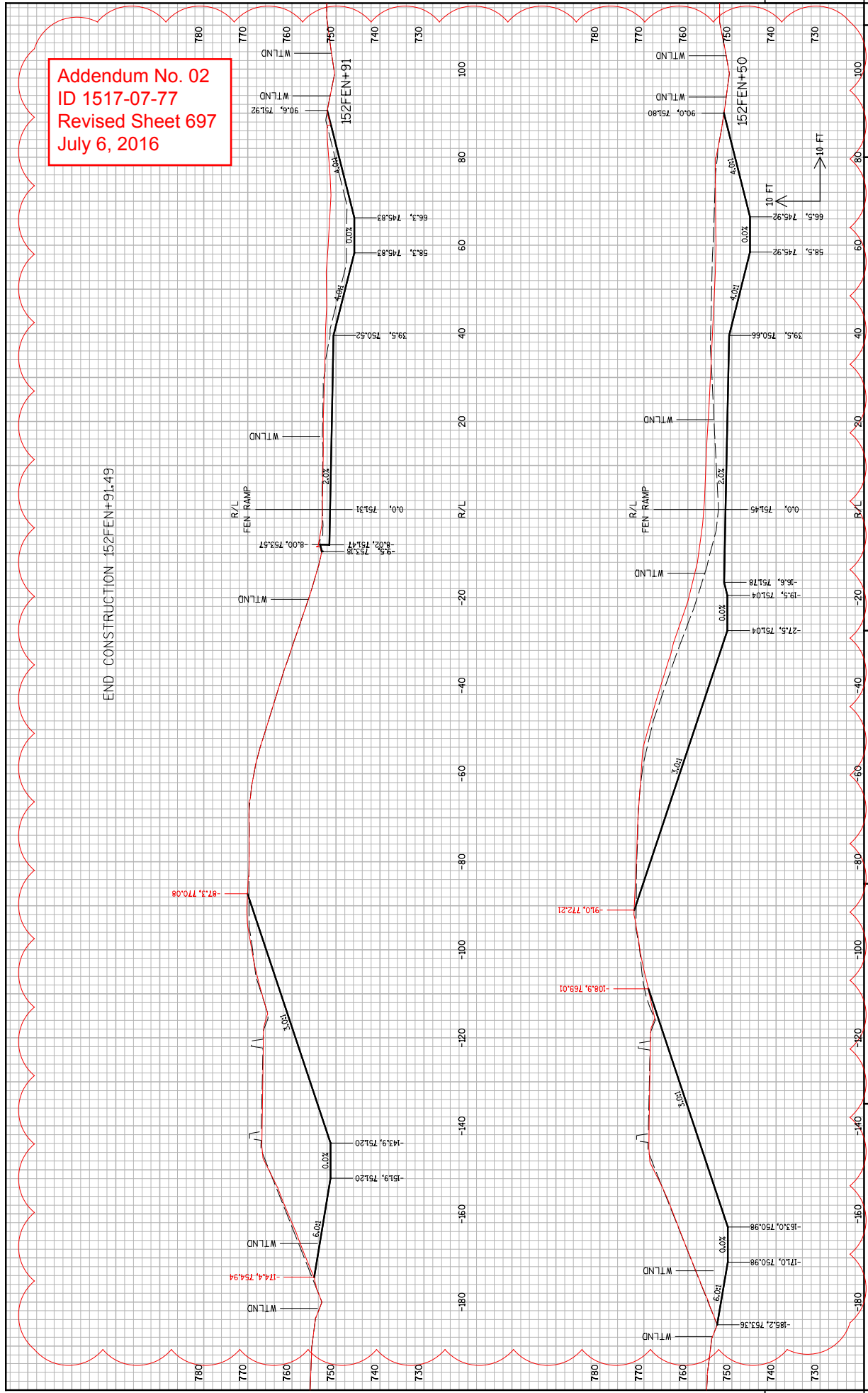
FILE NAME: S:\007\007\14\12002-Tr1 County Freeway\1517-07-77\004\Fill\Plan\1517-07-77-004.FIL FILL PLAN 05-07 PLOT DATE: 6/28/2016 PLOT BY: Doverson PLOT SCALE: -

9

6

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 697
 July 6, 2016

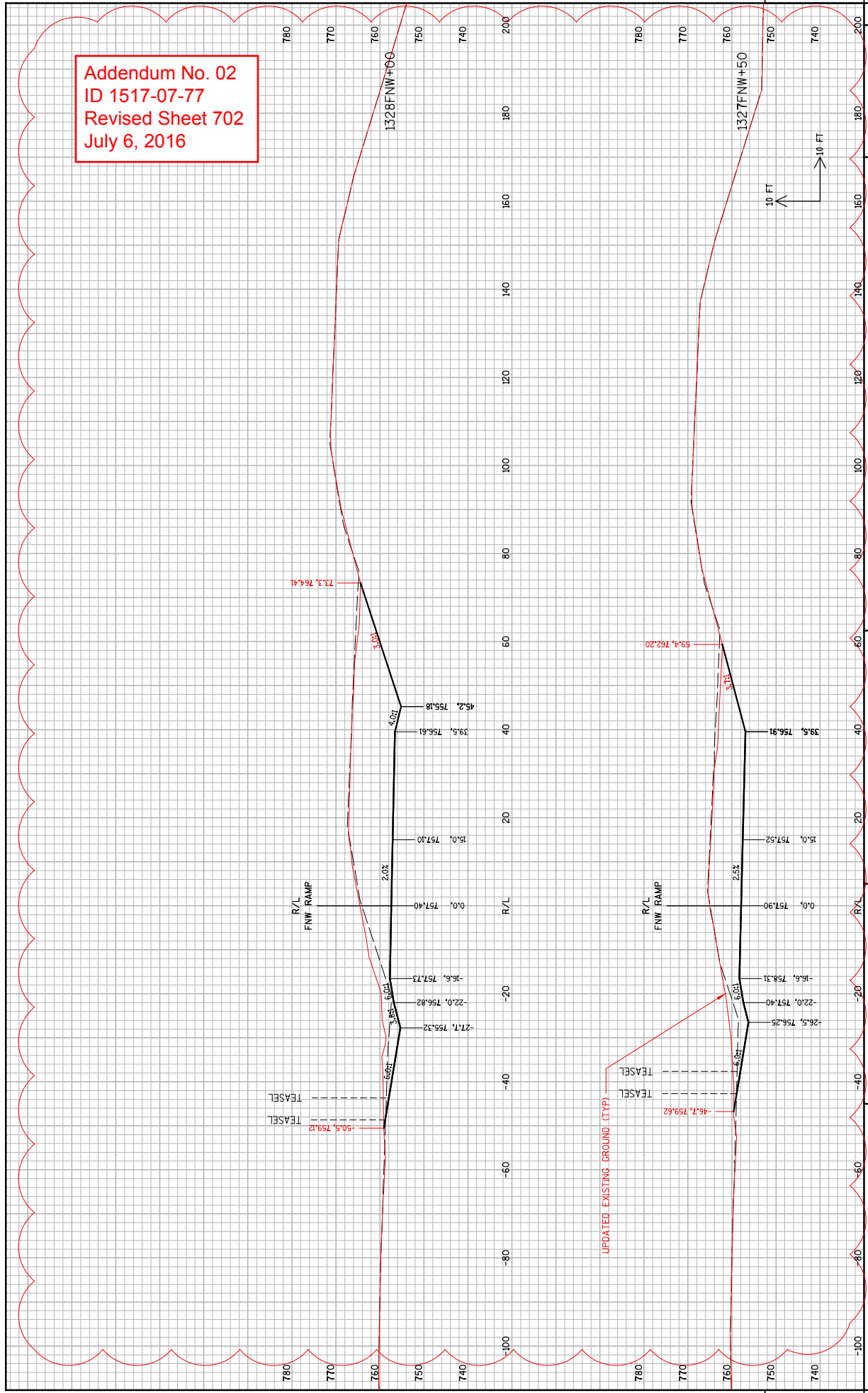
END CONSTRUCTION 152FEN+91.79



STATE PROJECT NO: 1517-07-77 HWY: USH 10 COUNTY: WINNEBAGO CROSS SECTIONS: FEN RAMP SHEET NO: 697 E

FILE NAME: S:\007\007\14\12002-Tri County\Freeway\1517-07-77\004\F.Lines\Planers\090210_FEN_FILL_PLN_05.dwg PLOT DATE: 6/28/2016 PLOT BY: Doversen PLOT NAME: CROSS SECTIONS: FEN RAMP PLOT SCALE: -

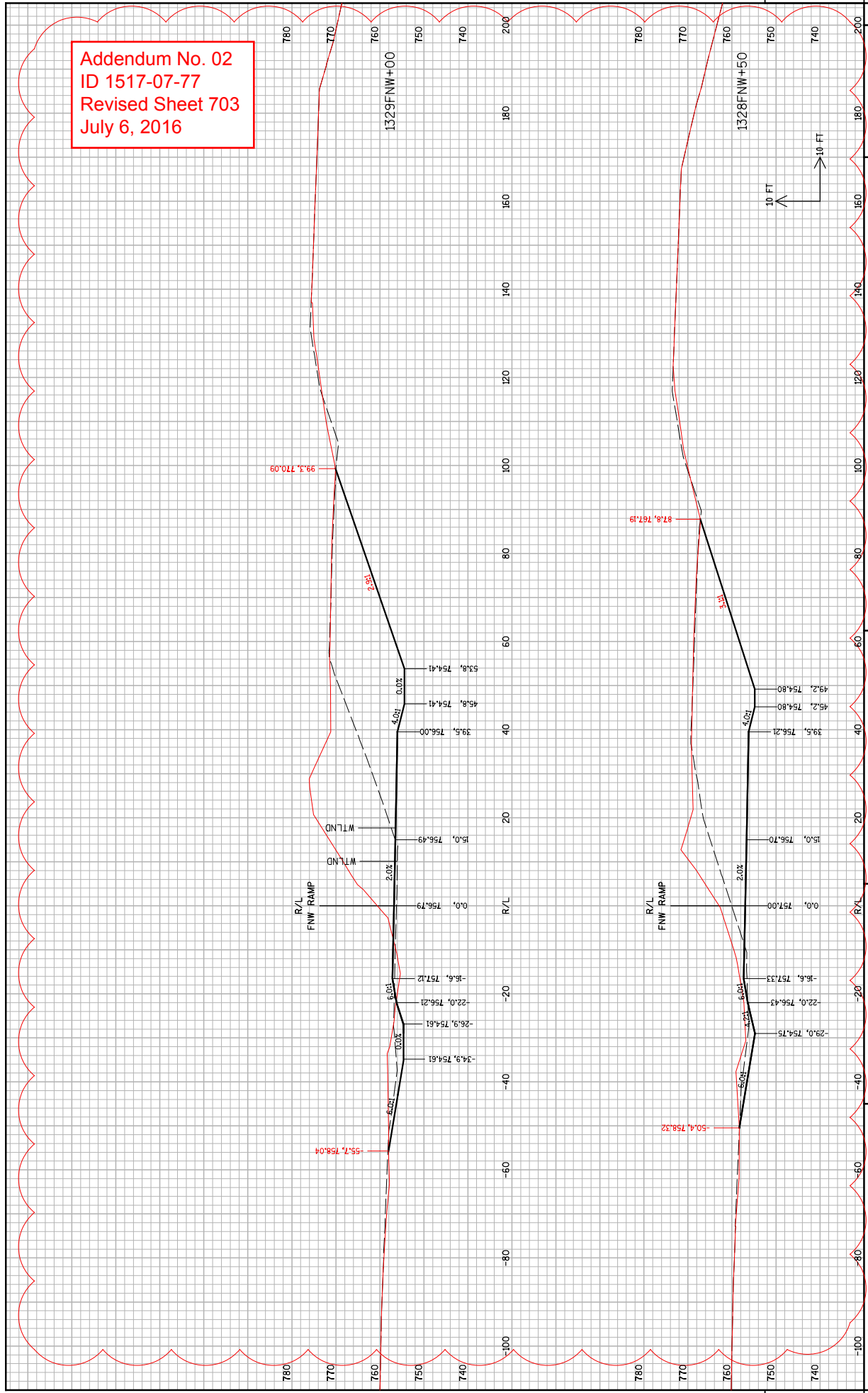
Addendum No. 02
 ID 1517-07-77
 Revised Sheet 702
 July 6, 2016



STATE PROJECT NO: 1517-07-77 HWY: USH 10 COUNTY: WINNEBAGO CROSS SECTIONS: FNW RAMP SHEET NO: 702 E

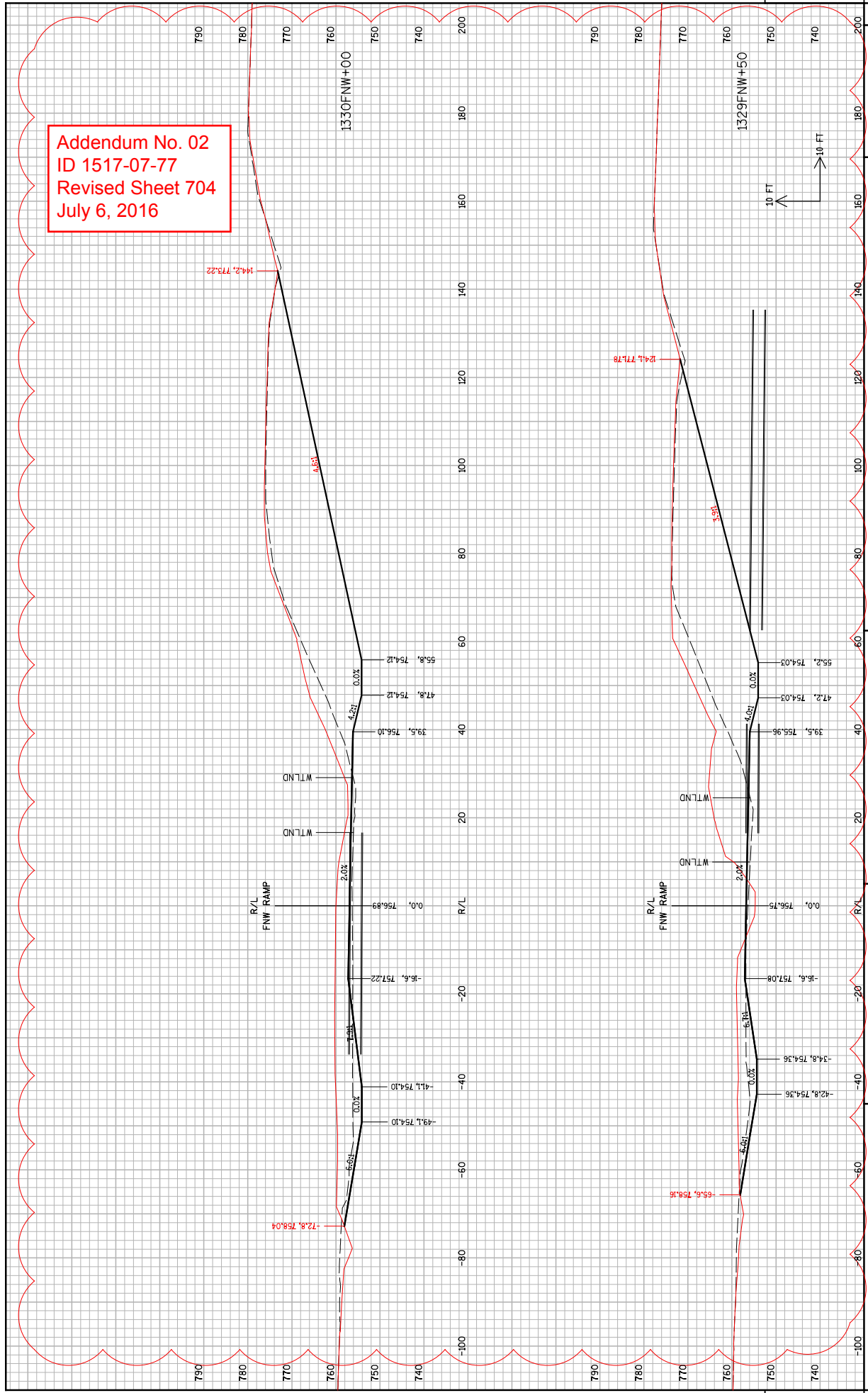
FILE NAME: S:\007\007\14\12002-Tr1 County Freeway\1517-07-TD04\Fill\Plan\Drawings\090211\FW FILL PLG.XS-09 PLOT DATE: 6/28/2016 PLOT BY: DOverton PLOT NAME: PLOT SCALE: -

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 703
 July 6, 2016



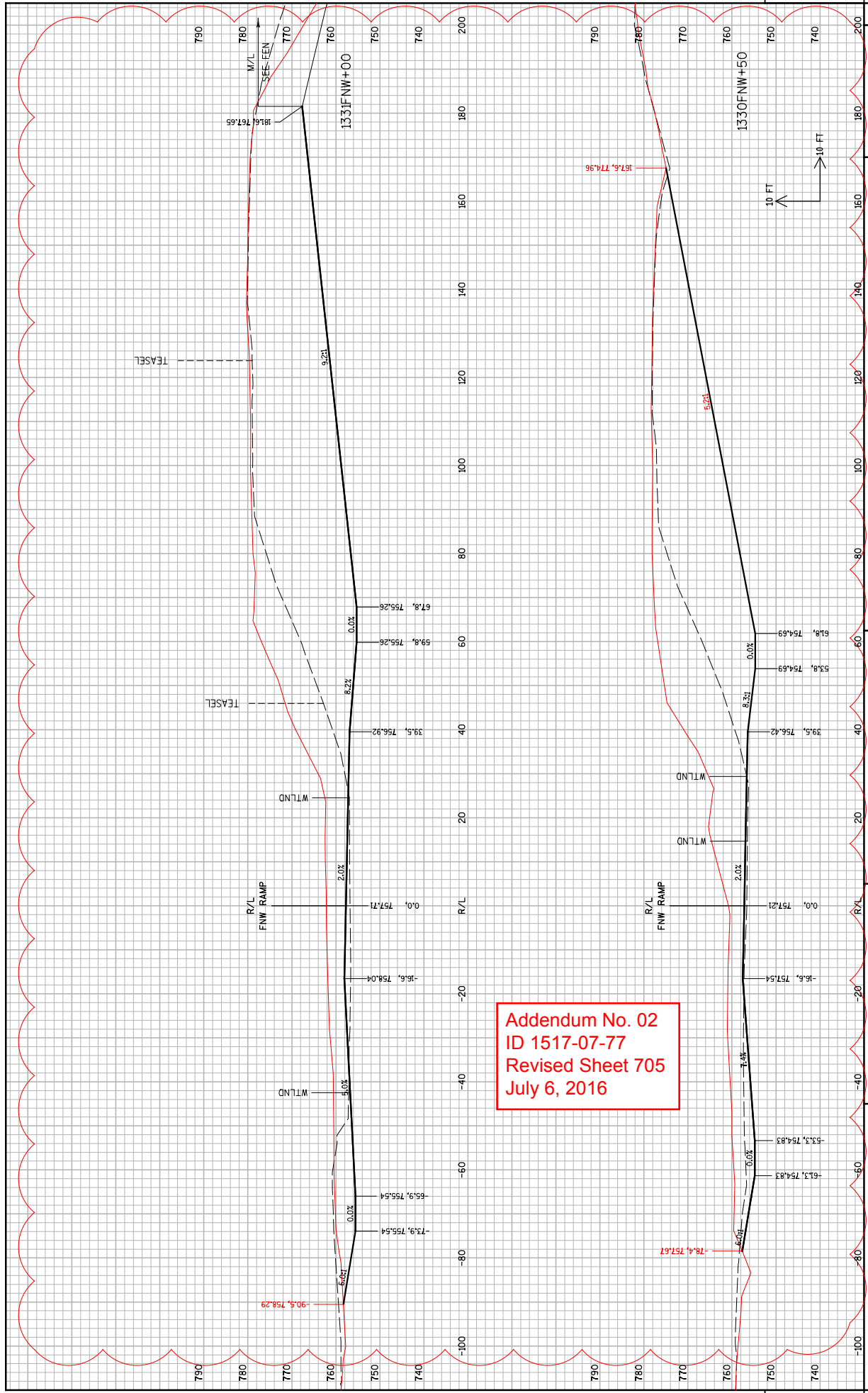
STATE PROJECT NO: 1517-07-77 HWY: USH 10 COUNTY: WINNEBAGO
 SHEET NO: 703 E
 FILE NAME: S:\007\007\1517-07-77\007\FNW FILL PLUG.XS-097 PLOT DATE: 6/28/2016 PLOT BY: Doverson PLOT NAME: CROSS SECTIONS: FNW RAMP PLOT SCALE: -

Addendum No. 02
ID 1517-07-77
Revised Sheet 704
July 6, 2016



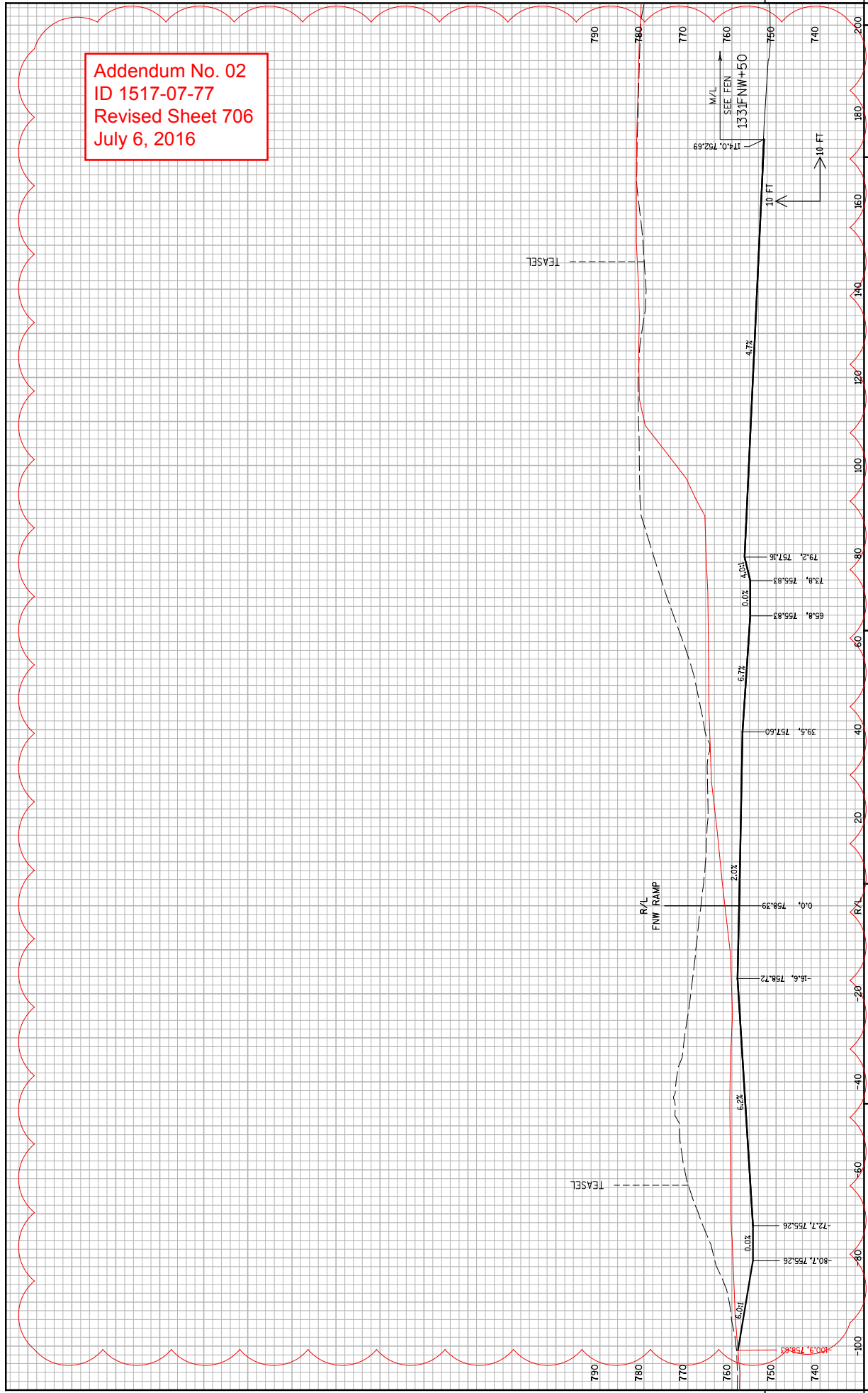
STATE PROJECT NO: 1517-07-77
HWY: USH 10
COUNTY: WINNEBAGO
CROSS SECTIONS: FNW RAMP
PLOT BY: Doverson
PLOT NAME: -
PLOT DATE: 6/28/2016
SHEET NO: 704 E

FILE NAME: S:\007\007\14\12002-1\1 County Freeway\1517-07-TD04\Fill\Plan\1517-07-TD04.FNW FILL PLAN.XS.dwg



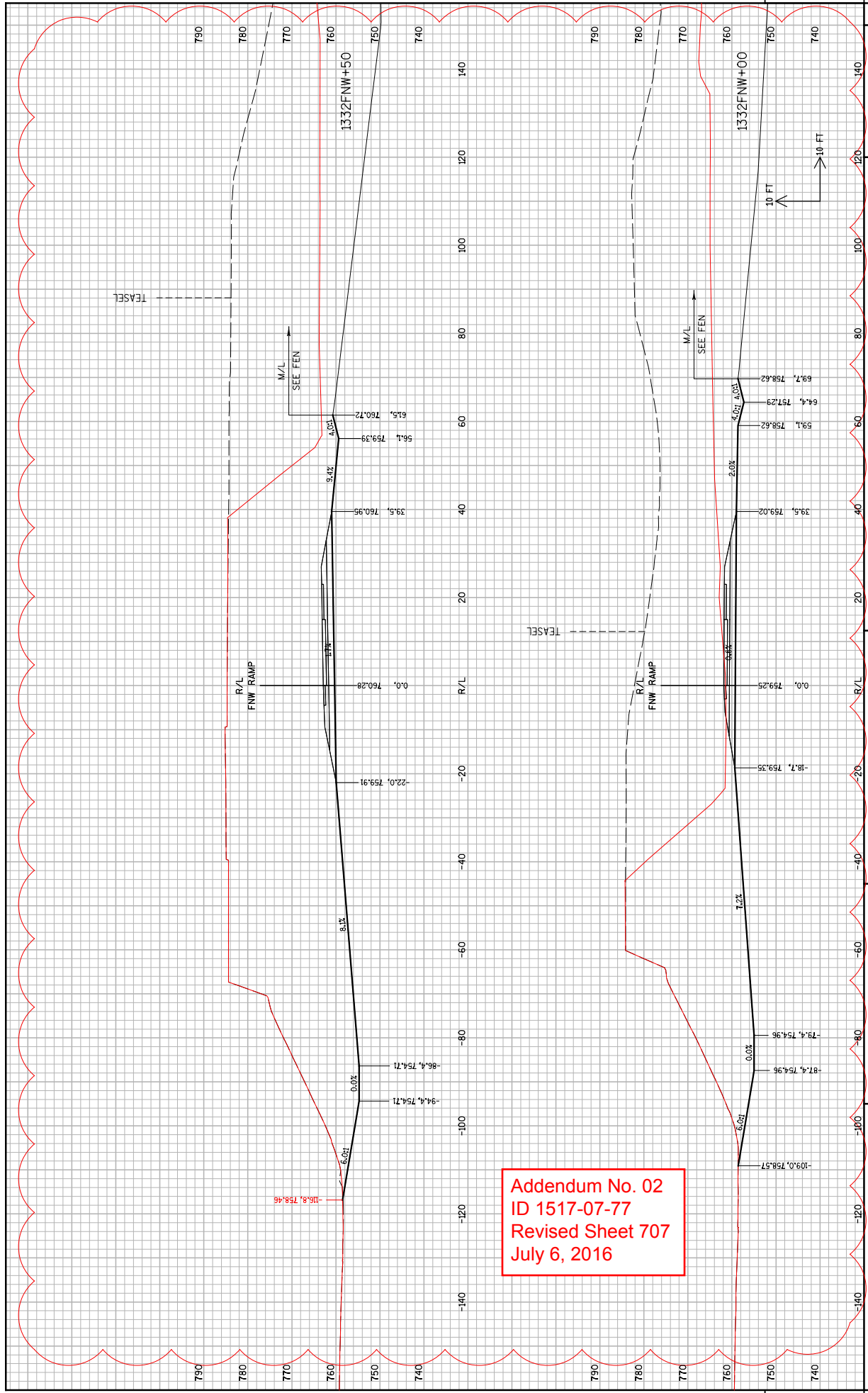
Addendum No. 02
 ID 1517-07-77
 Revised Sheet 705
 July 6, 2016

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 706
 July 6, 2016

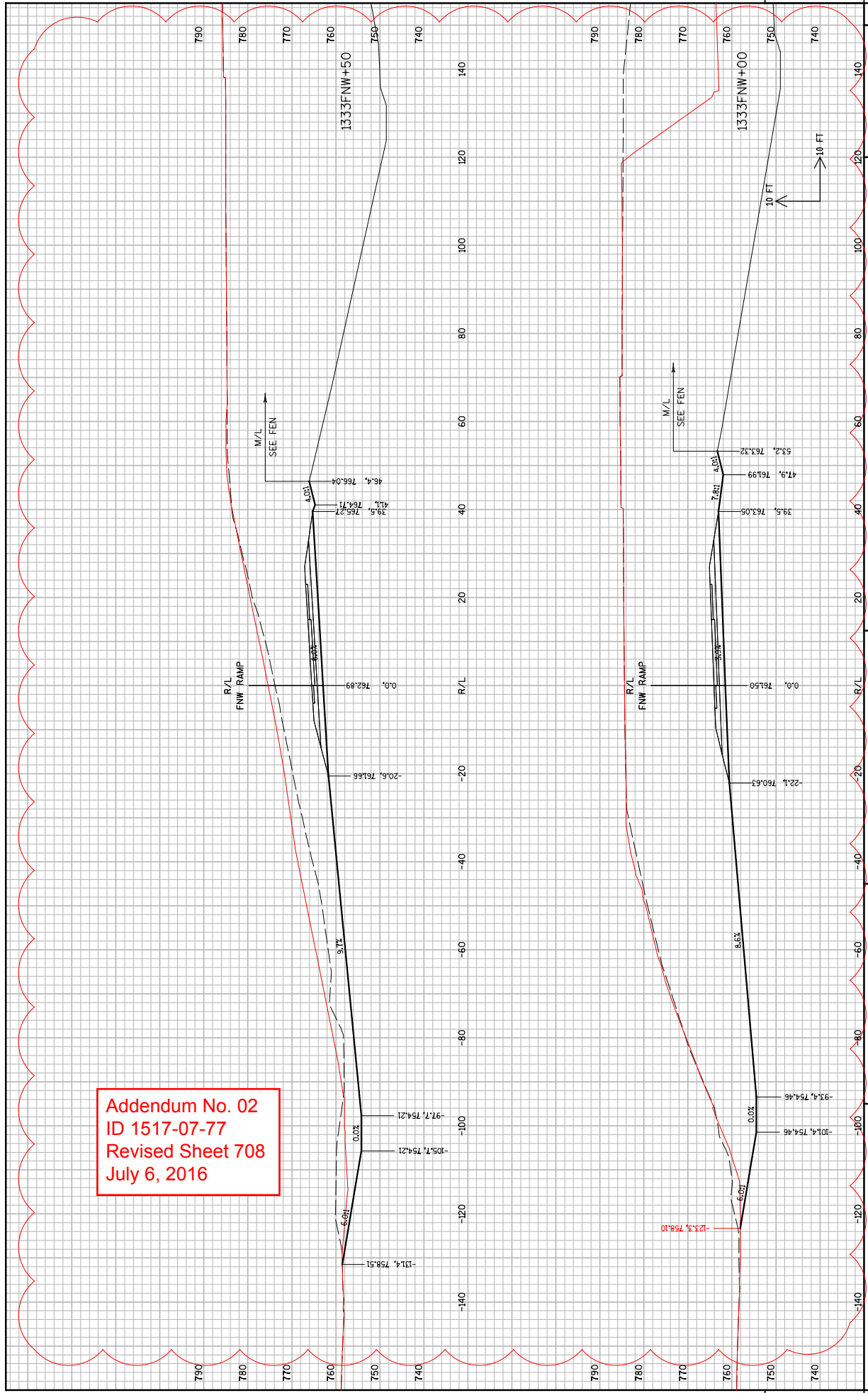


STATE PROJECT NO: 1517-07-77
 COUNTY: WINNEBAGO
 HWY: USH 10
 CROSS SECTIONS: F/W RAMP
 SHEET NO: 706 E

FILE NAME: S:\007\007-14\12002-1\1 County Freeway\1517-07-77\004.F.Lines\Plan\1517-07-77-706.FIL
 PLOT DATE: 6/28/2016
 PLOT BY: Doverson
 PLOT NAME: -
 PLOT SCALE: -

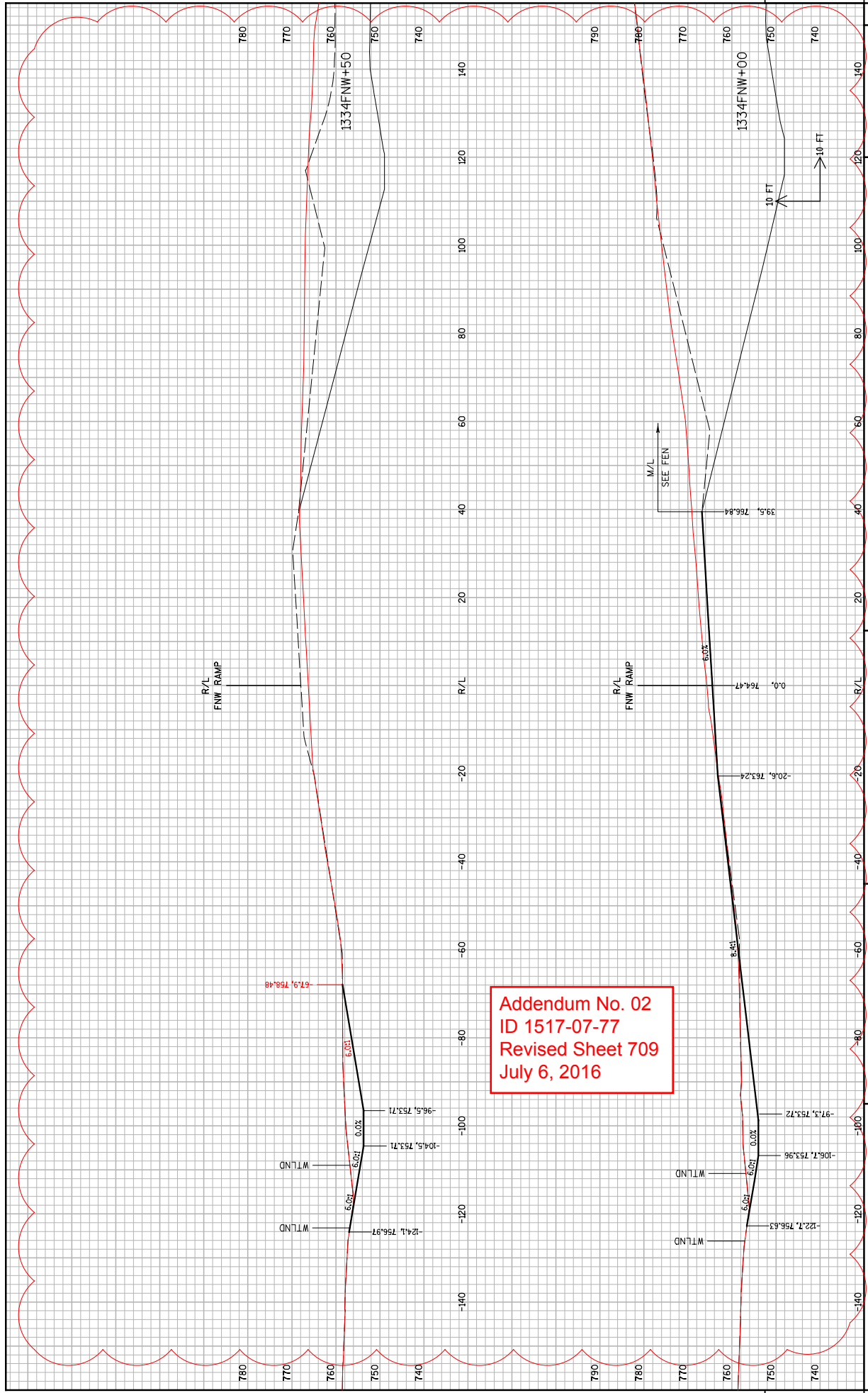


Addendum No. 02
 ID 1517-07-77
 Revised Sheet 707
 July 6, 2016



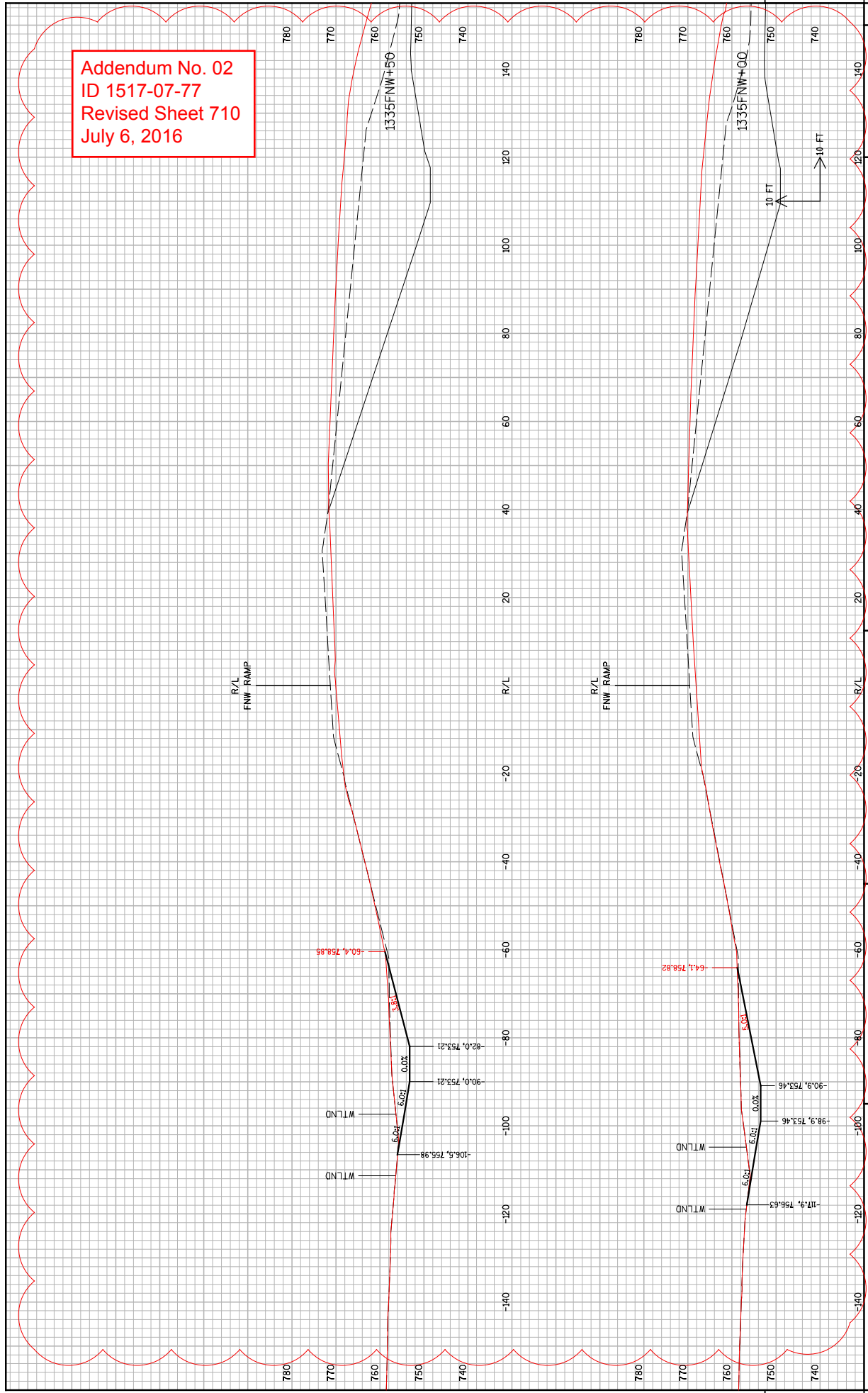
STATE PROJECT NO: 1517-07-77 HWY: USH 10 COUNTY: WINNEBAGO CROSS SECTIONS: FFW RAMP SHEET NO: 708 E

FILE NAME: S:\007\007\14\12002-Tr1 County FreeWay\1517-07-TWO\F.Lisp\Planers\090211.FW FILL PLG.XS-09 PLOT DATE: 6/28/2016 PLOT BY: Doverson PLOT NAME: COUNTY: WINNEBAGO CROSS SECTIONS: FFW RAMP SHEET NO: 708 E



Addendum No. 02
 ID 1517-07-77
 Revised Sheet 709
 July 6, 2016

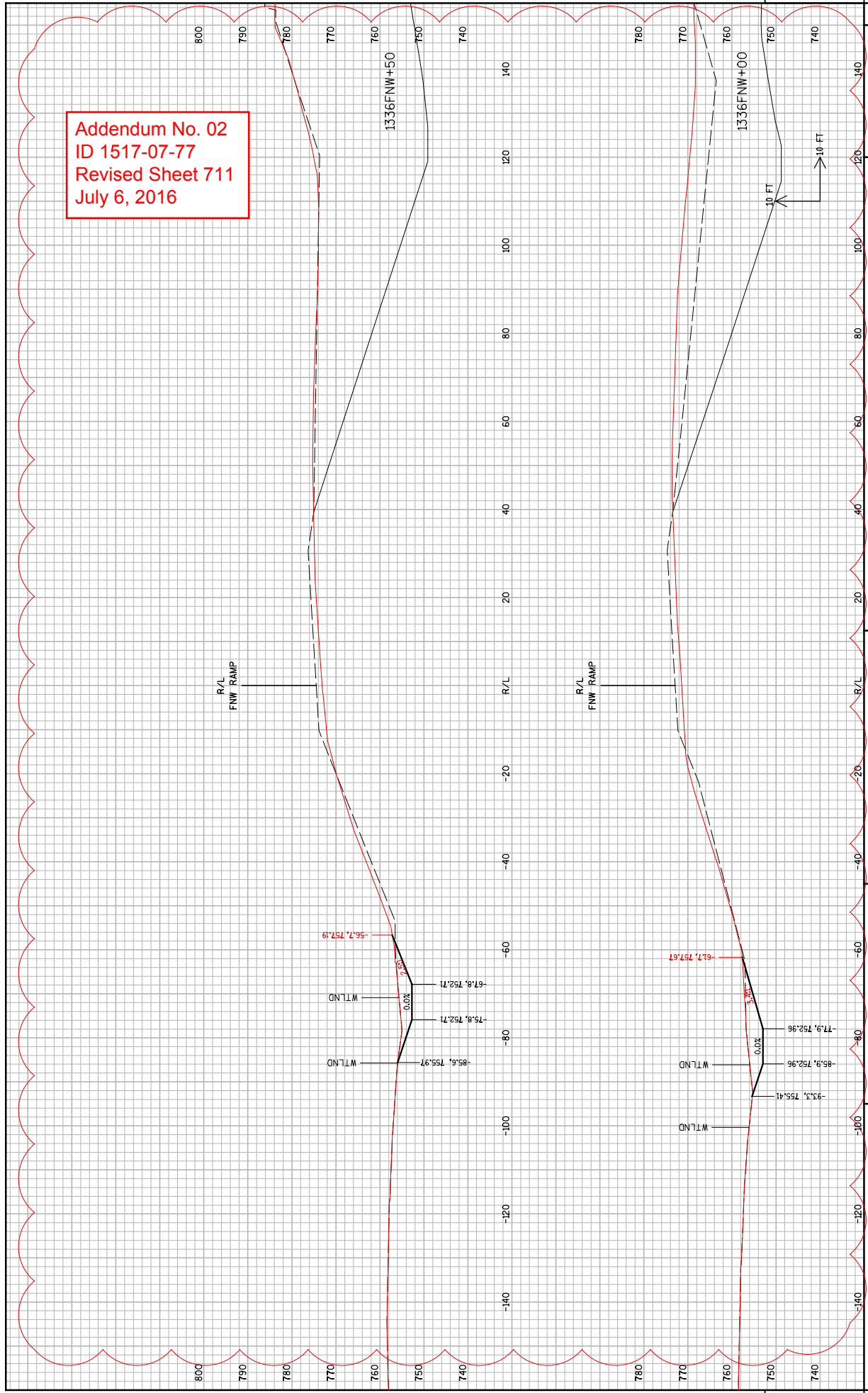
Addendum No. 02
 ID 1517-07-77
 Revised Sheet 710
 July 6, 2016



STATE PROJECT NO: 1517-07-77
 COUNTY: WINNEBAGO
 CROSS SECTIONS: FNW RAMP
 HWY: USH 10
 SHEET NO: 710 E

FILE NAME: S:\007\007-14\12002-77-1 County FreeWay\1517-07-77\004.F11ee\Plan\Sheet\1517-07-77-710-02.dwg
 PLOT DATE: 6/28/2016
 PLOT BY: Doverson
 PLOT NAME: -
 PLOT SCALE: -

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 711
 July 6, 2016



STATE PROJECT NO: 1517-07-77 COUNTY: WINNEBAGO CROSS SECTIONS: F/W RAMP SHEET NO: 711 E
 HWY: USH 10
 PLOT DATE: 6/28/2016 PLOT BY: Doverson PLOT NAME: COUNTY: WINNEBAGO CROSS SECTIONS: F/W RAMP
 FILE NAME: S:\007\007\14\12002-7r1 County FreeWay\1517-07-77\004\Fill\Plan\1517-07-77-Fill-711-09.dwg

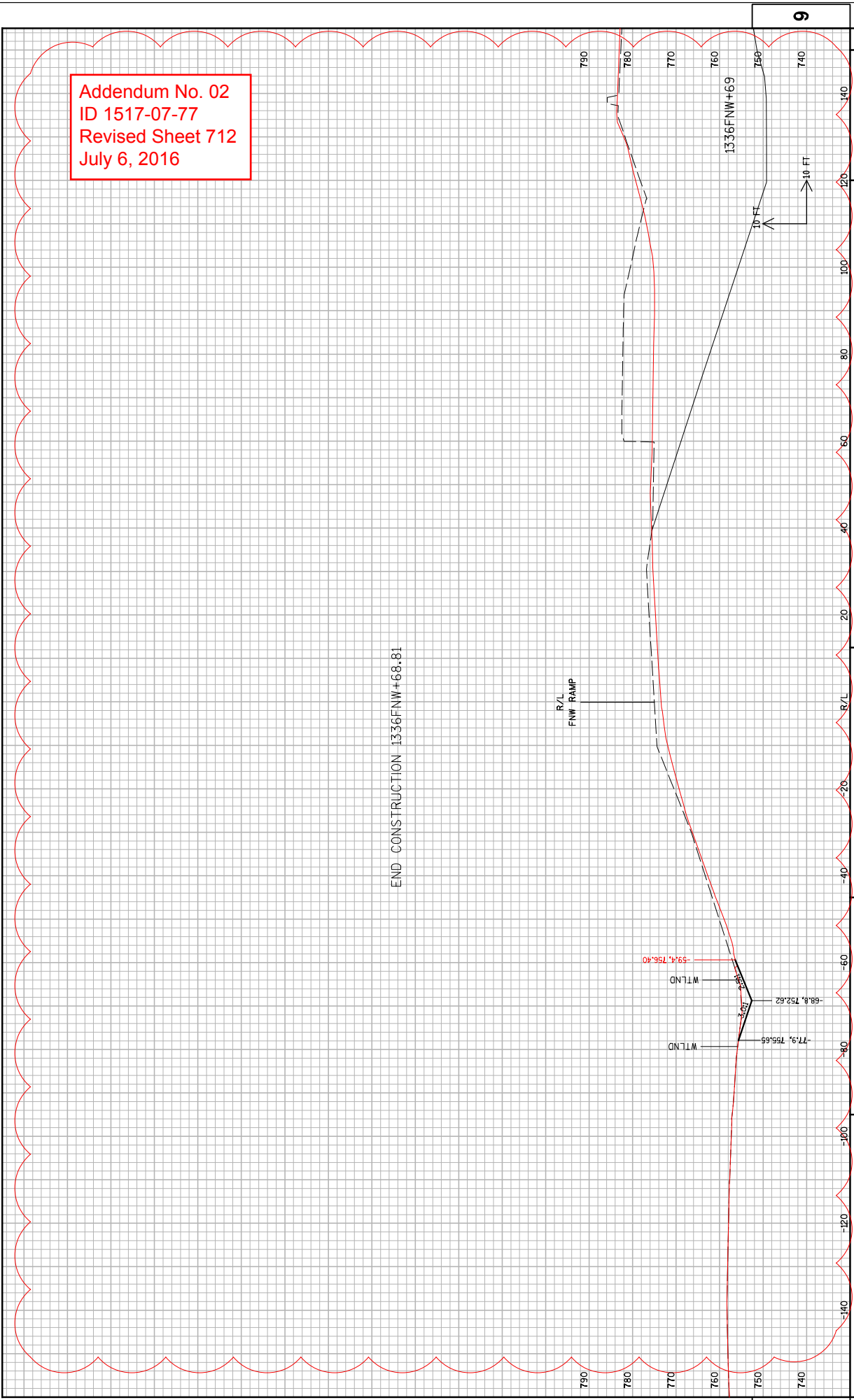
9

9

Addendum No. 02
 ID 1517-07-77
 Revised Sheet 712
 July 6, 2016

END CONSTRUCTION 1336FNW+68.81

R/L
 F/W RAMP



SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001

PROJECT(S):
1517-07-77

FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0001 Contract Items

0010	201.0105 Clearing ***	5.000 STA	.		.	
0020	201.0115 Clearing	2.820 ACRE	.		.	
0030	201.0205 Grubbing ***	5.000 STA	.		.	
0040	201.0215 Grubbing	3.040 ACRE	.		.	
0050	203.0200 Removing Old Structure (station) 701. STA. 142WB+83	LUMP		LUMP		.
0060	203.0200 Removing Old Structure (station) 702. STA. 142EB+35	LUMP		LUMP		.
0070	203.0200 Removing Old Structure (station) 703. STA. 131EB+93	LUMP		LUMP		.
0080	203.0225.S Debris Containment (structure) 700. B-70-76	LUMP		LUMP		.
0090	203.0225.S Debris Containment (structure) 701. B-70-78	LUMP		LUMP		.
0100	203.0225.S Debris Containment (structure) 702. B-70-79	LUMP		LUMP		.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 700. STA. 147WB+54.00	LUMP		LUMP		.
0120	204.0100 Removing Pavement ***p**	5,844.000 SY		.		.
0130	204.0157 Removing Concrete Barrier ***p**	3,019.000 LF		.		.
0140	204.0165 Removing Guardrail ***p**	742.000 LF		.		.
0150	204.0170 Removing Fence ***p**	762.000 LF		.		.
0160	204.0220 Removing Inlets	4.000 EACH		.		.
0170	204.0245 Removing Storm Sewer (size) 001. 12-Inch - 18-Inch ***p**	63.000 LF		.		.
0180	204.9060.S Removing (item description) 001. Storm Sewer Plugs	2.000 EACH		.		.
0190	204.9105.S Removing (item description) 001. Sand Barrels	LUMP		LUMP		.
0200	204.9165.S Removing (item description) 700. Removing Temporary Shoring Left in Place	440.000 SF		.		.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001

PROJECT(S):
1517-07-77

FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0210	205.0100 Excavation Common ***	221,713.000 CY	.		.	
0220	206.1000 Excavation for Structures Bridges (structure) 700. B-70-61	LUMP	LUMP		.	
0230	206.1000 Excavation for Structures Bridges (structure) 701. B-70-401	LUMP	LUMP		.	
0240	206.1000 Excavation for Structures Bridges (structure) 702. B-70-406	LUMP	LUMP		.	
0250	206.1000 Excavation for Structures Bridges (structure) 703. B-70-405	LUMP	LUMP		.	
0260	206.1000 Excavation for Structures Bridges (structure) 704. B-70-407	LUMP	LUMP		.	
0270	206.1000 Excavation for Structures Bridges (structure) 705. B-70-409	LUMP	LUMP		.	
0280	206.5000 Cofferdams (structure) 700. B-70-61	LUMP	LUMP		.	
0290	206.5000 Cofferdams (structure) 701. B-70-405	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0300	209.0100 Backfill Granular	175.000 CY	.	.	.	.
0310	210.0100 Backfill Structure **p**	973.000 CY	.	.	.	.
0320	213.0100 Finishing Roadway (project) 001. 1517-07-77	1.000 EACH	.	.	.	.
0330	305.0110 Base Aggregate Dense 3/4-Inch	2,305.000 TON	.	.	.	.
0340	305.0120 Base Aggregate Dense 1 1/4-Inch	2,273.000 TON	.	.	.	.
0350	311.0110 Breaker Run	1,510.000 TON	.	.	.	.
0360	320.0105 Concrete Base 4-Inch **p**	446.000 SY	.	.	.	.
0370	320.0145 Concrete Base 8-Inch **p**	144.000 SY	.	.	.	.
0380	415.0410 Concrete Pavement Approach Slab **p**	210.000 SY	.	.	.	.
0390	416.0620 Drilled Dowel Bars	46.000 EACH	.	.	.	.
0400	416.1010 Concrete Surface Drains	6.000 CY	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0410	416.1110 Concrete Shoulder Rumble Strips	1,879.000 LF	.	.	.	.
0420	440.5020 Incentive IRI Ride Bridge	1.000 DOL	1.00000		1.00	
0430	455.0605 Tack Coat	4.000 GAL	.	.	.	.
0440	460.2000 Incentive Density HMA Pavement	350.000 DOL	1.00000		350.00	
0450	460.5224 HMA Pavement 4 LT 58-28 S	546.000 TON	.	.	.	.
0460	465.0315 Asphaltic Flumes	17.000 SY	.	.	.	.
0470	465.0400 Asphaltic Shoulder Rumble Strips **p**	2,521.000 LF	.	.	.	.
0480	501.1000.S Ice Hot Weather Concreting	245,956.000 LB	.	.	.	.
0490	502.1100 Concrete Masonry Seal **p**	739.000 CY	.	.	.	.
0500	502.3100 Expansion Device (structure) 700. B-70-406	LUMP	LUMP		.	
0510	502.3100 Expansion Device (structure) 701. B-70-401	LUMP	LUMP		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0520	502.3110.S Expansion Device Modular (structure) 700. B-70-61	LUMP	LUMP			.
0530	502.3110.S Expansion Device Modular (structure) 701. B-70-401	LUMP	LUMP			.
0540	502.3110.S Expansion Device Modular (structure) 702. B-70-405	LUMP	LUMP			.
0550	502.3200 Protective Surface Treatment ***P**	48,639.000 SY		.		.
0560	502.3210 Pigmented Surface Sealer	10,110.000 SY		.		.
0570	502.5005 Masonry Anchors Type L No. 5 Bars ***P**	240.000 EACH		.		.
0580	503.0146 Prestressed Girder Type I 45W-Inch ***P**	7,495.000 LF		.		.
0590	503.0155 Prestressed Girder Type I 54W-Inch ***P**	5,276.000 LF		.		.
0600	503.0172 Prestressed Girder Type I 72W-Inch ***P**	9,998.000 LF		.		.
0610	505.0400 Bar Steel Reinforcement HS Structures	918,310.000 LB		.		.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0620	505.0600 Bar Steel Reinforcement HS Coated Structures	5,730,250 LB	.		.	
0630	505.0800.S Bar Steel Reinforcement HS Stainless Structures	3,380.000 LB	.		.	
0640	506.0605 Structural Steel HS	8,133,557 LB	.		.	
0650	506.2605 Bearing Pads Elastomeric Non-Laminated **P**	143.000 EACH	.		.	
0660	506.2610 Bearing Pads Elastomeric Laminated **P**	117.000 EACH	.		.	
0670	506.3020 Welded Stud Shear Connectors 7/8x7-Inch **P**	29,082.000 EACH	.		.	
0680	506.3025 Welded Stud Shear Connectors 7/8x8-Inch **P**	19,329.000 EACH	.		.	
0690	506.4000 Steel Diaphragms (structure) 700. B-70-61 **P**	92.000 EACH	.		.	
0700	506.4000 Steel Diaphragms (structure) 701. B-70-401 **P**	175.000 EACH	.		.	
0710	506.4000 Steel Diaphragms (structure) 702. B-70-406 **P**	72.000 EACH	.		.	
0720	506.5000 Bearing Assemblies Fixed (structure) 700. B-70-61 **P**	15.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0730	506.6000 Bearing Assemblies Expansion (structure) 700. B-70-61 **p**	EACH 94.000	.		.	
0740	506.6000 Bearing Assemblies Expansion (structure) 701. B-70-406 **p**	EACH 60.000	.		.	
0750	511.1200 Temporary Shoring (structure) 700. B-70-401	SF 3,876.000	.		.	
0760	511.1200 Temporary Shoring (structure) 701. B-70-406	SF 1,640.000	.		.	
0770	511.1200 Temporary Shoring (structure) 702. B-70-405	SF 2,386.000	.		.	
0780	511.1200 Temporary Shoring (structure) 704. B-70-407	SF 861.000	.		.	
0790	511.1200 Temporary Shoring (structure) 705. B-70-409	SF 600.000	.		.	
0800	511.1300 Temporary Shoring (location) 001. Toe Trench	SF 2,916.000	.		.	
0810	514.0445 Floor Drains Type GC	EACH 46.000	.		.	
0820	514.0450 Floor Drains Type WF	EACH 20.000	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0830	514.2608 Downspout 8-Inch ***	553.000 LF	.		.	
0840	514.2625 Downspout 6-Inch ***	859.000 LF	.		.	
0850	516.0500 Rubberized Membrane Waterproofing ***	78.000 SY	.		.	
0860	517.0600 Painting Epoxy System (structure) 700. B-70-61	LUMP	LUMP		.	
0870	517.0600 Painting Epoxy System (structure) 701. B-70-405	LUMP	LUMP		.	
0880	517.0900.S Preparation and Coating of Top Flanges (structure) 700. B-70-61	LUMP	LUMP		.	
0890	517.1010.S Concrete Staining (structure) 700. B-70-61 ***	40,170.000 SF	.		.	
0900	517.1010.S Concrete Staining (structure) 701. B-70-401 ***	76,175.000 SF	.		.	
0910	517.1010.S Concrete Staining (structure) 702. B-70-406 ***	41,385.000 SF	.		.	
0920	517.1010.S Concrete Staining (structure) 703. B-70-405 ***	62,665.000 SF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0930	517.1050.S Architectural Surface Treatment (structure) 700. B-70-61 **p**	SF 8,940.000	.	.	.	.
0940	517.1050.S Architectural Surface Treatment (structure) 701. B-70-401 **p**	SF 7,370.000	.	.	.	.
0950	517.1050.S Architectural Surface Treatment (structure) 702. B-70-406 **p**	SF 4,280.000	.	.	.	.
0960	517.1050.S Architectural Surface Treatment (structure) 703. B-70-405 **p**	SF 9,870.000	.	.	.	.
0970	517.1800.S Structure Repainting Recycled Abrasive (structure) 700. B-70-61	LUMP	LUMP	.	.	.
0980	517.4500.S Negative Pressure Containment and Collection of Waste Materials (structure) 700. B-70-61	LUMP	LUMP	.	.	.
0990	517.6001.S Portable Decontamination Facility	EACH 1.000	.	.	.	.
1000	520.8000 Concrete Collars for Pipe	EACH 1.000	.	.	.	.
1010	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH 2.000	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1020	522.0324 Culvert Pipe Reinforced Concrete Class IV 24-Inch	46.000 LF	.		.	
1030	522.0330 Culvert Pipe Reinforced Concrete Class IV 30-Inch	66.000 LF	.		.	
1040	522.0530 Culvert Pipe Reinforced Concrete Class V 30-Inch	70.000 LF	.		.	
1050	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	2.000 EACH	.		.	
1060	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	3.000 EACH	.		.	
1070	523.0424 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	55.000 LF	.		.	
1080	523.0524 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	2.000 EACH	.		.	
1090	550.0020 Pre-Boring Rock or Consolidated Materials	9,012.000 LF	.		.	
1100	550.0500 Pile Points	1,267.000 EACH	.		.	
1110	550.1120 Piling Steel HP 12-Inch X 53 Lb	5,928.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1120	550.1140 Piling Steel HP 14-Inch X 73 Lb	41,962.000 LF	.	.	.	.
1130	603.1156 Concrete Barrier Type S56 **p**	298.000 LF	.	.	.	.
1140	604.0600 Slope Paving Select Crushed Material **p**	4,634.000 SY	.	.	.	.
1150	606.0200 Riprap Medium	75.000 CY	.	.	.	.
1160	606.0300 Riprap Heavy	1,372.000 CY	.	.	.	.
1170	611.0627 Inlet Covers Type HM	5.000 EACH	.	.	.	.
1180	611.0654 Inlet Covers Type V	2.000 EACH	.	.	.	.
1190	611.3220 Inlets 2x2-FT	2.000 EACH	.	.	.	.
1200	612.0212 Pipe Underdrain Unperforated 12-Inch	173.000 LF	.	.	.	.
1210	612.0406 Pipe Underdrain Wrapped 6-Inch	382.000 LF	.	.	.	.
1220	614.0150 Anchor Assemblies for Steel Plate Beam Guard	3.000 EACH	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1230	614.0397 Guardrail Mow Strip Emulsified Asphalt	232.000 SY	.	.	.	.
1240	614.2300 MGS Guardrail 3	767.000 LF	.	.	.	.
1250	614.2500 MGS Thrie Beam Transition	195.000 LF	.	.	.	.
1260	614.2610 MGS Guardrail Terminal EAT	1.000 EACH	.	.	.	.
1270	614.2620 MGS Guardrail Terminal Type 2	2.000 EACH	.	.	.	.
1280	616.0700.S Fence Safety	2,000.000 LF	.	.	.	.
1290	618.0100 Maintenance And Repair of Haul Roads (project) 001. 1517-07-77	1.000 EACH	.	.	.	.
1300	619.1000 Mobilization	1.000 EACH	.	.	.	.
1310	624.0100 Water	762.000 MGAL	.	.	.	.
1330	625.0500 Salvaged Topsoil	62,798.000 SY	.	.	.	.
1340	627.0200 Mulching	38,094.000 SY	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1350	628.1504 Silt Fence	4,208.000 LF	.	.	.	.
1360	628.1520 Silt Fence Maintenance	4,208.000 LF	.	.	.	.
1370	628.1905 Mobilizations Erosion Control	18.000 EACH	.	.	.	.
1380	628.1910 Mobilizations Emergency Erosion Control	11.000 EACH	.	.	.	.
1390	628.2002 Erosion Mat Class I Type A	25,455.000 SY	.	.	.	.
1400	628.2004 Erosion Mat Class I Type B	10,448.000 SY	.	.	.	.
1410	628.6005 Turbidity Barriers	440.000 SY	.	.	.	.
1420	628.7005 Inlet Protection Type A	4.000 EACH	.	.	.	.
1430	628.7010 Inlet Protection Type B	5.000 EACH	.	.	.	.
1440	628.7020 Inlet Protection Type D	13.000 EACH	.	.	.	.
1450	628.7504 Temporary Ditch Checks	545.000 LF	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1460	628.7555 Culvert Pipe Checks	98.000 EACH	.		.	
1470	629.0210 Fertilizer Type B	38.900 CWT	.		.	
1480	630.0120 Seeding Mixture No. 20	1,696.000 LB	.		.	
1490	630.0200 Seeding Temporary	1,543.000 LB	.		.	
1500	631.1100 Sod Erosion Control	40.000 SY	.		.	
1510	633.0500 Delineator Reflectors	42.000 EACH	.		.	
1520	633.1000 Delineator Brackets	42.000 EACH	.		.	
1530	633.5200 Markers Culvert End	5.000 EACH	.		.	
1540	634.0618 Posts Wood 4x6-Inch X 18-FT	8.000 EACH	.		.	
1550	634.0808 Posts Tubular Steel 2x2-Inch X 8-FT	9.000 EACH	.		.	
1560	635.0200 Sign Supports Structural Steel HS	534.000 LB	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1570	636.0100 Sign Supports Concrete Masonry	1.200 CY	.	.	.	.
1580	636.0500 Sign Supports Steel Reinforcement	68.000 LB	.	.	.	.
1590	637.1220 Signs Type I Reflective SH	2,792.000 SF	.	.	.	.
1600	637.2210 Signs Type II Reflective H	174.000 SF	.	.	.	.
1610	637.2230 Signs Type II Reflective F	113.000 SF	.	.	.	.
1620	638.2601 Removing Signs Type I	1.000 EACH	.	.	.	.
1630	638.2602 Removing Signs Type II	8.000 EACH	.	.	.	.
1640	638.3000 Removing Small Sign Supports	9.000 EACH	.	.	.	.
1650	638.3100 Removing Structural Steel Sign Supports	2.000 EACH	.	.	.	.
1660	641.5100 Sign Bridge Structure Mounted (structure) 700. S-70-206	LUMP	LUMP	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1670	641.5100 Sign Bridge Structure Mounted (structure) 701. S-70-209	LUMP	LUMP			.
1680	641.5100 Sign Bridge Structure Mounted (structure) 702. S-70-254	LUMP	LUMP			.
1690	642.5401 Field Office Type D	EACH	1.000	.		.
1700	643.0200 Traffic Control Surveillance and Maintenance (project) 001. 1517-07-77	DAY	719.000	.		.
1710	643.0300 Traffic Control Drums	DAY	10,220.000	.		.
1720	643.0420 Traffic Control Barricades Type III	DAY	596.000	.		.
1730	643.0705 Traffic Control Warning Lights Type A	DAY	1,022.000	.		.
1740	643.0715 Traffic Control Warning Lights Type C	DAY	3,070.000	.		.
1750	643.0800 Traffic Control Arrow Boards	DAY	350.000	.		.
1760	643.0900 Traffic Control Signs	DAY	11,780.000	.		.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1770	643.0910 Traffic Control Covering Signs Type I	5.000 EACH	.	.	.	.
1780	643.0920 Traffic Control Covering Signs Type II	9.000 EACH	.	.	.	.
1790	643.1000 Traffic Control Signs Fixed Message	95.000 SF	.	.	.	.
1800	643.1050 Traffic Control Signs PCMS	1,539.000 DAY	.	.	.	.
1810	643.2000 Traffic Control Detour (project) 001. 1517-07-77	1.000 EACH	.	.	.	.
1820	643.3000 Traffic Control Detour Signs	33,110.000 DAY	.	.	.	.
1830	645.0120 Geotextile Type HR **p**	2,428.000 SY	.	.	.	.
1840	649.0403 Temporary Pavement Marking Epoxy 4-Inch	30,781.000 LF	.	.	.	.
1850	649.0803 Temporary Pavement Marking Epoxy 8-Inch	2,930.000 LF	.	.	.	.
1870	652.0125 Conduit Rigid Metallic 2-Inch **p**	500.000 LF	.	.	.	.
1880	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch **p**	10,014.000 LF	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1890	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch **p**	585.000 LF	.	.	.	.
1900	652.0405 Conduit Reinforced Thermosetting Resin 2-Inch **p**	408.000 LF	.	.	.	.
1910	653.0145 Pull Boxes Steel 24x48-Inch	1.000 EACH	.	.	.	.
1920	653.0220 Junction Boxes 18x6x6-Inch	32.000 EACH	.	.	.	.
1930	653.0222 Junction Boxes 18x12x6-Inch	36.000 EACH	.	.	.	.
1940	654.0107 Concrete Bases Type 7	2.000 EACH	.	.	.	.
1950	655.0620 Electrical Wire Lighting 8 AWG **p**	1,975.000 LF	.	.	.	.
1960	655.0625 Electrical Wire Lighting 6 AWG **p**	5,925.000 LF	.	.	.	.
1970	657.6005.S Anchor Assemblies Light Poles on Structures	29.000 EACH	.	.	.	.
1980	672.0250 Base Camera Pole 50-FT	1.000 EACH	.	.	.	.
1990	674.0300 Remove Cable	7,900.000 LF	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2000	677.0100 Install Camera Pole	1.000 EACH	.		.	
2010	690.0150 Sawing Asphalt	90.000 LF	.		.	
2020	690.0250 Sawing Concrete	3,482.000 LF	.		.	
2030	715.0415 Incentive Strength Concrete Pavement	500.000 DOL	1.00000		500.00	
2040	715.0502 Incentive Strength Concrete Structures	500.000 DOL	1.00000		500.00	
2050	801.0117 Railroad Flagging Reimbursment	227,200.000 DOL	1.00000		227200.00	
2060	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,100.000 HRS	5.00000		10500.00	
2070	ASP.1T0G On-the-Job Training Graduate at \$5. 00/HR	5,760.000 HRS	5.00000		28800.00	
2080	SPV.0035 Special 001. Roadway Embankment	125,979.000 CY	.		.	
2090	SPV.0035 Special 002. Removing Existing Concrete Rubble	4,684.000 CY	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2100	SPV.0035 Special 700. Modified High Performance Concrete (HPC) Masonry Bridges	32,794.100 CY	.	.	.	.
2110	SPV.0035 Special 701. Excavation, Hauling and Disposing of Contaminated Sediment	291.000 CY	.	.	.	.
2120	SPV.0045 Special 001. PCMS Remote Communications	602.000 DAY	.	.	.	.
2130	SPV.0045 Special 200. Maintain Traffic Control Warning Lights Type C Left In Place	36,599.000 DAY	.	.	.	.
2140	SPV.0045 Special 201. Maintain Traffic Control Signs Left In Place	28,315.000 DAY	.	.	.	.
2150	SPV.0045 Special 202. Maintain Traffic Control Drums Left In Place	153,698.000 DAY	.	.	.	.
2160	SPV.0045 Special 203. Maintain Traffic Control Barricades Type III Left In Place	8,582.000 DAY	.	.	.	.
2170	SPV.0045 Special 204. Maintain Traffic Control Warning Lights Type A Left In Place	9,744.000 DAY	.	.	.	.
2180	SPV.0060 Special 001. CPM Baseline Schedule	1.000 EACH	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2190	SPV.0060 Special 002. CPM Schedule Monthly Updates	22.000 EACH	.		.	
2200	SPV.0060 Special 200. Maintain Crash Cushion Temporary Left In Place	19.000 EACH	.		.	
2220	SPV.0060 Special 351. Concrete Bases Type 7 Median	2.000 EACH	.		.	
2230	SPV.0060 Special 352. Pull Box Non-Conductive 24X42-Inch	4.000 EACH	.		.	
2240	SPV.0060 Special 400. Remove and Relocate Camera Assembly	1.000 EACH	.		.	
2250	SPV.0060 Special 401. Remove and Relocate Ethernet Switch	1.000 EACH	.		.	
2260	SPV.0060 Special 402. Remove and Relocate Video Encoder	1.000 EACH	.		.	
2270	SPV.0060 Special 403. Remove and Relocate Radio Link	4.000 EACH	.		.	
2280	SPV.0060 Special 404. Remove Wood Pole	1.000 EACH	.		.	
2290	SPV.0060 Special 405. Remove and Relocate Pole Mounted Cabinet	1.000 EACH	.		.	
2300	SPV.0060 Special 700. Anchor Assemblies Sign Bridge On Structures	12.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2310	SPV.0060 Special 701. Structural Steel Repair at Cross Frames B-70-61	42.000 EACH	.		.	
2320	SPV.0060 Special 702. Structural Steel Repair at Shelf Plate B-70-61	24.000 EACH	.		.	
2330	SPV.0060 Special 703. Existing Structure Shoring	1.000 EACH	.		.	
2340	SPV.0060 Special 704. Cleaning and Painting Bearings	77.000 EACH	.		.	
2350	SPV.0060 Special 705. Hanger Assembly	7.000 EACH	.		.	
2360	SPV.0060 Special 706. Bearings High-Load Multi-Rotational Guided	50.000 EACH	.		.	
2370	SPV.0060 Special 707. Bearings High-Load Multi-Rotational Fixed	25.000 EACH	.		.	
2380	SPV.0060 Special 708. Stand Pipe System	2.000 EACH	.		.	
2390	SPV.0075 Special 001. Street Sweeping	24.000 HRS	.		.	
2400	SPV.0090 Special 001. Concrete Curb and Gutter 6-Inch Sloped 60-Inch Type A Full Depth **P**	958.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001

PROJECT(S):
1517-07-77

FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2410	SPV.0090 Special 200. Maintain Concrete Barrier Temporary Precast Left In Place	27,310.000 LF	.	.	.	.
2420	SPV.0090 Special 201. Concrete Barrier Temporary Precast Left In Place	2,800.000 LF	.	.	.	.
2440	SPV.0105 Special 001. Survey Project ID 1517-07-77	LUMP	LUMP	.	.	.
2450	SPV.0105 Special 002. Temporary Haul Road Access For Structure Construction	LUMP	LUMP	.	.	.
2460	SPV.0105 Special 350. Navigation Lighting B-70-61	LUMP	LUMP	.	.	.
2470	SPV.0105 Special 700. Temporary Causeway	LUMP	LUMP	.	.	.
2480	SPV.0120 Special 150. Water For Seeded Areas	1,836.000 MGAL	.	.	.	.
2490	SPV.0165 Special 700. Abutment Backwall Soil Reinforcement **p**	465.000 SF	.	.	.	.
2500	SPV.0180 Special 001. Modified High Performance Concrete (HPC) Pavement 10-Inch	3,820.000 SY	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001PROJECT(S):
1517-07-77FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2510	SPV.0180 Special 002. Modified High Performance Concrete (HPC) Pavement 11-Inch	3,089.000 SY	.	.	.	.
2520	603.1132 Concrete Barrier Type S32	246.000 LF	.	.	.	.
2530	603.3513 Concrete Barrier Transition Type S32 to S36	1.000 EACH	.	.	.	.
2540	603.3535 Concrete Barrier Transition Type S36 to S42	1.000 EACH	.	.	.	.
2550	603.3559 Concrete Barrier Transition Type S42 to S56	2.000 EACH	.	.	.	.
2560	603.8000 Concrete Barrier Temporary Precast Delivered	2,800.000 LF	.	.	.	.
2570	603.8125 Concrete Barrier Temporary Precast Installed	2,800.000 LF	.	.	.	.
2580	614.0905 Crash Cushions Temporary	1.000 EACH	.	.	.	.
2590	SPV.0060 Special 201. Traffic Control Close-Open Freeway Ramp	29.000 EACH	.	.	.	.
2600	SPV.0060 Special 202. Repositioning Traffic Control Devices For Mainline Closures	60.000 EACH	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160712001

PROJECT(S):
1517-07-77

FEDERAL ID(S):
WISC 2016229

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2610	SPV.0060 Special 203. Crash Cushion Temporary Left In Place	2.000 EACH	.		.	
2620	603.1142 Concrete Barrier Type S42	25.000 LF	.		.	
2630	671.0222 Conduit HDPE Directional Bore 2-Duct 2-Inch ***	80.000 LF	.		.	
2640	SPV.0035 Special 702. Repair of Engineered Sediment Cap	3,120.000 CY	.		.	
2650	SPV.0060 Special 709. Junction Boxes Fiberglass 18x12x6-Inch	3.000 EACH	.		.	
2660	SPV.0105 Special 701. Protection of Engineered Sediment Cap	LUMP	LUMP		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	