



Wisconsin Department of Transportation

November 25, 2020

Division of Transportation Systems Development

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

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

NOTICE TO ALL CONTRACTORS:

Proposal #02: 1206-06-79, WISC 2021 019
Madison - Cambridge
Whitney Way – IH 39/90
USH 12
Dane County

Letting of December 8, 2020

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
17	Systems (ITS) – Control of Materials.
47	Intelligent Transportation Systems – General Requirements.
43	Marking for Concrete Pavement Repairs and Base Patching Concrete.
53	Sawing

Added Special Provisions	
Article No.	Description
89	Notice to Contractor – Traffic Control Close-Open Freeway Entrance Ramps.
90	Pipe Bollard, Item SPV.0060.68.
91	Adjusting Pull Boxes Concrete Reinforcement, Item SPV.0060.69.
92	Concrete Pavement Repair Longitudinal Joint Overnight, Item SPV.0090.21.

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0195	Removing Concrete Bases	EA	83	-1	82
204.9060.S.04	Removing Existing Pole	EA	2	-1	1
205.0100	Excavation Common	CY	33,453	1,802	35,255
416.0610	Drilled Tie Bars	EA	30,809	68	30,877
465.0305	Asphaltic Surface Safety Islands	TON	32	-29	3
603.1142	Concrete Barrier Type S42	LF	1,304	-20	1,284

643.0300	Traffic Control Drums	DAYS	142,863	2,821	145,684
643.0420	Traffic Control Barricades Type III	DAYS	8,231	753	8,984
643.0705	Traffic Control Warning Lights Type A	DAYS	16,463	1,504	17,967
643.0715	Traffic Control Warning Lights Type C	DAYS	21,533	2,821	24,354
643.0900	Traffic Control Signs	DAYS	14,084	502	14,586
643.1050	Traffic Control Signs PCMS	DAYS	859	205	1,064
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	19,617	-92	19,525
652.0605	Conduit Special 2-Inch	LF	405	-198	207
652.0615	Conduit Special 3-Inch	LF	9,256	-3	9,253
652.0700.S	Install Conduit into Existing Item	EA	43	1	44
653.0164	Pull Boxes Non-Conductive 24x42-Inch	EA	76	1	77
654.0101	Concrete Bases Type 1	EA	30	1	31
655.0505	Electrical Wire Traffic Signals 14 AWG	LF	21,731	4	21,735
655.0625	Electrical Wire Lighting 6 AWG	LF	26,315	-200	26,115
655.0635	Electrical Wire Lighting 2 AWG	LF	7,136	-113	7,023
674.0300	Remove Cable	LF	754	200	954
674.0400	Reinstall Cable	LF	754	200	954
678.0012	Install Fiber Optic Cable Outdoor Plan 12-CT	LF	20,173	106	20,279
SPV.0060.48	Traffic Control Close-Open Freeway Entrance Ramp	EA	245	63	308
SPV.0060.57	Traffic Signal Standards Aluminum 6-FT	EA	30	1	31
SPV.0180.03	Base Patching Concrete Overnight	SY	2,784	-593	2,191

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
210.2500	Backfill Structure Type B	TON	0	1,008	1,008
532.5020.68	Butterfly 2-Chord NS S-13-574	EA	0	1	1
532.5020.69	Butterfly 2-Chord NS S-13-575	EA	0	1	1
532.5020.70	Butterfly 2-Chord NS S-13-576	EA	0	1	1
603.1442	Concrete Barrier Type S42C	LF	0	20	20
652.0800	Conduit Loop Detector	LF	0	72	72
653.0905	Removing Pull Boxes	EA	0	1	1
655.0800	Loop Detector Wire	LF	0	264	264
SPV.0060.68	Pipe Bollard	EA	0	2	2
SPV.0060.69	Adjusting Pull Boxes Concrete Reinforcement	EA	0	1	1
SPV.0090.21	Concrete Pavement Repair Longitudinal Joint Overnight	LF	0	100	100

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
532.5020.20	Butterfly 2-Chord NS S-13-533	EA	1	-1	0
532.5020.21	Butterfly 2-Chord NS S-13-534	EA	1	-1	0
532.5020.22	Butterfly 2-Chord NS S-13-535	EA	1	-1	0
656.0500.20	Electrical Service Breaker Disconnect Box LCS-13-0013	LS	1	-1	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
3	General Notes (added note for contractor verifying median shoulder cross slopes)
77-78, 81	Construction details (updated general notes to include note regarding excavation and structure backfill)
79-80	Construction Details (updated notes for sign structure S-13-535 to be sign structure S-13-576 and updated general notes to include note regarding excavation and structure backfill)
209	Plan Details (updated Concrete Barrier Type S42 to Concrete Barrier Type S42C)
238-239	Plan Details (updated notes for sign structures S-13-533/534 to be sign structures S-13-574/575)
243-244	Plan Details (updated notes for sign structure S-13-535 to be sign structure S-13-576)
277	Plan Details (add notes regarding pull box and lighting cabinet, added utilities, and updated elevations)
288	Plan Details (fixed floating callout)
294	Plan Details (updated notes for sign structures S-13-533/534 to be sign structures S-13-574/575)
296	Plan Details (updated notes for sign structure S-13-535 to be sign structure S-13-576)
334	ITS Construction Details (update Breaker Disconnect Box table)
344	FTMS (update conduit west of Verona Road)
347	FTMS (salvage microwave detector equipment)
353	FTMS (coordinate loop detector modifications)
359	FTMS (install concrete bases)
541	Permanent Signing (updated notes for sign structures S-13-533/534 to be sign structures S-13-574/575)
543	Permanent Signing (updated notes for sign structure S-13-535 to be sign structure S-13-576)
552	Permanent Signing (change SIS sign to be moved by others)
705-706	Miscellaneous Quantities (update Excavation Common quantity at retaining barrier west of Seminole)
714	Miscellaneous Quantities (update Excavation Common quantity for median barrier removal)
715	Miscellaneous Quantities (add quantity for Backfill Structure Type B)
726	Miscellaneous Quantities (update quantity for Asphaltic Surface Safety Islands)
727	Miscellaneous Quantities (add Concrete Barrier Type S42C and remove some quantity of Concrete Barrier Type S42)
775-776	Miscellaneous Quantities (updated notes for sign structures S-13-533/534/535 to be sign structures S-13-574/575/576)
782-786	Miscellaneous Quantities (update quantities for ramp closures during mainline rolling closures)
793	Miscellaneous Quantities (add MQ Tables for Pipe Bollard and Adjusting Pull Boxes Concrete Reinforcement)
794	Miscellaneous Quantities (add quantity for Concrete Pavement Repair Longitudinal Joint Overnight and Drilled Tie Bars and update quantity for Base Patching Concrete Overnight)
809-814	Miscellaneous Quantities (update quantities)
829	Plan and Profile (updated notes for sign structures S-13-533/534/535 to be sign structures S-13-574/575/576)
1023	Signing Details (updated notes for sign structure S-13-533 to be sign structure S-13-574)
1035	Signing Details (updated notes for sign structure S-13-534 to be sign structure S-13-575)
1037	Signing Details (updated notes for sign structure S-13-535 to be sign structure S-13-576)
1079	Structure Plans - Butterfly 2-chord and 4-chord static plans (Updated notes for sign structures S-13-533, 534 & 535 to be sign structures S-13-574, 575 & 576)
1084-1086	Structure Plans - Butterfly 2-chord and 4-chord static plans (Updated notes for sign structures S-13-533, 534 & 535 to be sign structures S-13-574, 575 & 576)

1091-1092	Structure Plans - Butterfly 2-chord and 4-chord static plans (Updated notes for sign structures S-13-533, 534 & 535 to be sign structures S-13-574, 575 & 576)
1196-1199	Earthwork Tables (update earthwork tables for median barrier removal)
1281	Cross Sections (update cross slope for Fish Hatchery CIS at STA 14FHSW+50 from 2% to 1%)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
38A	Construction Details (added details for Pipe Bollard, Concrete Pavement Repair Longitudinal Joint Overnight, and Adjusting Pull Boxes Concrete Reinforcement)
924A-924B	Added SDD 14B41 sheets for added bid item 603.1442 Concrete Barrier Type S42C
1199A-1199B	Earthwork Tables (add earthwork tables for median barrier removal)

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

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

1206-06-79

November 25, 2020

Special Provisions

17. Systems (ITS) – Control of Materials.

*Replace paragraph four under section titled **Standard spec 106.2 – Supply Source and Quality** with the following:*

Large department-furnished equipment, such as camera poles and DMS will be delivered by the supplier to a contractor-controlled site within Dane County. Delivery will not necessarily be in a "just in time" manner. Store the equipment until field installation. Provide location details and a contact for delivery coordination upon receiving the contract's Notice to Proceed. Electronic message boards (LCS and DMS) cannot be stored outdoors for more than 6 days after delivery. If storage beyond 6 days is necessary, indoor storage will be required. Department-Furnished Dynamic Message Signs (DMS) and Lane Control Signs (LCS) deliveries are anticipated to begin after July 1, 2020. Large department furnished items such as dynamic message signs and lane control signs may not be available when the sign structure is installed.

43. Marking for Concrete Pavement Repairs and Base Patching Concrete.

Replace entire article language with the following:

Provide traffic control in advance of Concrete Pavement Repair Overnight, Concrete Pavement Replacement Overnight, Concrete Pavement Repair Longitudinal Joint, and Base Patching Concrete Overnight work for the engineer to identify and mark areas to be repaired. Do not commence Concrete Pavement Repair Overnight, Concrete Pavement Replacement Overnight, Concrete Pavement Repair Longitudinal Joint, and Base Patching Concrete Overnight, or sawing concrete work prior to receiving the engineer's direction of areas to be repaired. Drums, barricades, arrow boards, and signs will be paid for separately under the various traffic control items as shown in the plans. The department will not assess working days for this work.

47. Intelligent Transportation Systems – General Requirements.

*Add the following to the end of section titled **A.1 General**:*

3. Contractor shall coordinate electrical service meter breaker pedestal installations with Engineer and MG&E per section 656 of the Standard Specifications within 10 days after notice to proceed. Install all Meter Breaker pedestals per section 656 of the Standard Specifications by May 1, 2020.

53. Sawing.

Replace entire article language with the following:

Replace standard spec 690.3.3 (1) with the following:

Do not extend saw cuts beyond the limits of Concrete Pavement Repair, Concrete Pavement Replacement, or Concrete Pavement Repair Longitudinal Joint. Epoxy seal accidental overcuts according to standard spec 416.2.3.2. Saw full-depth unless the engineer directs or allows otherwise.

Add the following to standard spec 690.3.3 (2):

Clean any residual sludge from the roadway prior to opening closed lanes.

Add the following to standard spec 690.4 (2):

5. For repairs with a concrete lane on one side and an asphalt shoulder on the other side, one full-depth longitudinal cut along the concrete to concrete joint line and one relief cut 6 inches in from the asphalt shoulder.
6. For repairs with a concrete lane or shoulder on both sides, two full-depth longitudinal cuts, one at each joint line.

89. Notice to Contractor – Traffic Control Close-Open Freeway Entrance Ramps.

The contractor shall install ramp closures associated with Wisconsin State Patrol coordinated mainline full roadway rolling closures needed for sign bridge removal and erection. The ramp closures shall be paid under item SPV 0060.48, Traffic Control Close – Open Freeway Entrance Ramp. Ramp closures associated with mainline rolling closures must be set up immediately prior to the rolling closure and taken down immediately following the rolling closure. It is not acceptable for the contractor to close ramps for an entire nighttime work period if the ramp closure is only needed in conjunction with the mainline rolling closure. Contractor staff are expected to be on-site to minimize the duration of ramp closures associated with mainline rolling closures. Any ramp closures associated with mainline rolling closures that are in place in excess of 3 hours shall not be eligible for payment under Item SPV.0060.48, Traffic Control Close-Open Freeway Entrance Ramp. It is estimated that every on-ramp located within 2-miles upstream of the sign bridge removal/erection location will need to be closed for the mainline rolling closure.

90. Pipe Bollard, Item SPV.0060.68.

A Description

This special provision describes furnishing and installing pipe bollards at locations as detailed in the plans and as hereinafter provided.

B Materials

Fabricate pipe bollards from schedule 80 galvanized steel pipe.

Provide concrete according to standard spec. section 501 conforming to Grade A, A-FA, A-S, A-T, A-IS, A-IP, and A-IT.

C Construction

Paint the pipe bollards as specified in standard spec 517.2.4, color black.

Paint the pipe bollards according to standard spec 517.3. For the portion of the pipe bollard that will be fully encased in concrete, apply only the zinc-rich primer as specified in 517.3.1.7.2.

Excavate to the depth shown on the plans. Remove water or other foreign material from the excavation and inside the pipe before placing concrete. Place concrete in the excavation and inside pipe in a continuous operation at a rate that will not cause air pockets. The concrete may not have cold joints. Fill the pipe completely with concrete and consolidate to a depth as great as practicable with a mechanical vibrator or by other engineer-approved method.

Protect the pipe bollards from damage to the paint during transportation, storage, placement, and concrete placement. Repair any damaged paint according to standard spec 517.3.

D Measurement

The department will measure Pipe Bollard as each individual pipe bollard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.68	Pipe Bollard	Each

Payment is full compensation for providing pipe, concrete, and paint; for excavation; for placing concrete within the pipe and for the footing; for backfilling and disposing of surplus materials; and for repairs to the paint system.

91. Adjusting Pull Boxes Concrete Reinforcement, Item SPV.0060.69.

A Description

This special provision describes adjusting pull boxes with concrete reinforcement as detailed in the plans and as hereinafter provided.

B Materials

B.1 Adjusting pull boxes

Adjust existing pull boxes in accordance with section 653 of the standard specifications.

B.2 Concrete

Provide concrete masonry grade A, A-WR, A-FA, or A-IP conforming to section 501 of the standard specifications as modified in section 716. Provide QMP for class III ancillary concrete as specified in section 716 of the standard specifications.

B.3 Manhole covers Type J-Special

Provide manhole covers Type J-Special conforming to section 611 of the standard specifications.

C Construction

Construct the Adjusting Pull Boxes Concrete Reinforcement in locations shown on the plans and in accordance to sections 501, 611, 653, and 716 of the standard specifications and plan requirements.

D Measurement

The department will measure Adjusting Pull Boxes Concrete Reinforcement as each adjustment that is acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.69	Adjusting Pull Boxes Concrete Reinforcement	Each

Payment is full compensation for adjusting pull box, concrete, and manhole cover; for excavation; for placing concrete; for backfilling; for installing and adjusting covers; and for disposing of surplus materials.

92. Concrete Pavement Repair Longitudinal Joint Overnight, Item SPV.0090.21.

A Description

This special provision describes construction of concrete pavement repair longitudinal joint overnight according to standard spec 416.

B Materials

Furnish calcium chloride according to standard spec 416.2.1 (3).

B.1 Concrete Mixtures

Furnish SHES concrete conforming to standard spec 416.2.5 except replace standard spec 416.2.5.1 (1) with the following:

Furnish air-entrained concrete conforming to standard spec 501 as modified for class II concrete in standard spec 716. Provide QMP for class II ancillary concrete as specified in standard spec 716. Determine materials and proportions of the concrete mixture to obtain a minimum compressive strength in the concrete of 2000 psi prior to reopening to traffic. The contractor may add one or a combination of admixtures to the ingredients or to the mixture in order to obtain the required minimum strength and required air content. Do not retemper the concrete mixture.

Add the following to standard spec 416.2.5.1 (2):

Calcium chloride flakes may be used in lieu of calcium chloride in solution.

Replace standard spec 716.2.1 (2) with the following:

Perform random QC testing at the following frequencies:

1. Test air content a minimum of once per 100 cubic yards for each mix grade and placement method. Cast a minimum of one set of 2 cylinders per contract for each mix grade and placement method. Slump testing is not required.
2. Cast on set of 2 cylinder per 200 cubic yards for each mix grade and placement method. Random 28-day compressive strength cylinders are not required.

C Construction

Repair concrete pavement according to standard spec 416.3.8 and as follows.

Supplement standard spec 416.3.8.2 with the following:

(4) Cure, protect and open as specified in standard spec 415.3.12 through standard spec 415.3.15. Disregard the opening to service requirements in standard spec 415.3.15 (2) to (3). The engineer will allow the contractor to open pavement to construction and public traffic when the concrete attains a verified compressive strength of 2000 psi.

Supplement standard spec 416.3.8.3 with the following:

(2) Disregard the opening to service requirements in standard spec 415.3.15 (2) to (3). The engineer will allow the contractor to open pavement to construction and public traffic when the concrete attains a verified compressive strength of 2000 psi.

D Measurement

The department will measure the Concrete Pavement Repair Longitudinal Joint Overnight item by the linear foot, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.21	Concrete Pavement Repair Longitudinal Joint Overnight	LF

Payment is full compensation for furnishing, hauling, preparing, placing, curing, and protecting materials; for replacing damaged pavement designated to remain in place; for removing and disposing of existing pavements and excavated materials; for repairing asphaltic shoulders; for tooling joints; for preparing the foundation; for backfilling; and for testing concrete cylinders. Payment includes jointing and providing tie bars and dowel bars in unhardened concrete. The department will pay separately for associated work as follows:

- For tie bars and dowel bars provided in concrete not placed under the contract, exclusive of those necessary to repair contractor-caused damage, under the Drilled Tie Bars and Drilled Dowel Bars bid items.
- For sawing existing concrete for removal, under the Sawing Concrete bid item as specified in standard spec 690.5.

Schedule of Items

Attached, dated November 25, 2020, are the revised Schedule of Items Pages 1 – 34.

Plan Sheets

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

Revised: 3, 77-81, 209, 238-239, 243-244, 277, 288, 294, 296, 334, 344, 347, 353, 359, 541, 543, 552, 705-706, 714-715, 726-727, 775-776, 782-786, 793-794, 809-814, 829, 1023, 1035, 1037, 1079, 1084-1086, 1091-1092, 1196-1199, and 1281.

Added: 38A, 924A, 924B, 1199A, and 1199B.

END OF ADDENDUM

GENERAL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTOR'S EXPENSE OR AS OTHERWISE DIRECTED BY THE FIELD ENGINEER. DISTURBED AREAS ARE TO BE TOPSOILED (SALVAGED), FERTILIZED, SEEDED, AND EMATATED AS DIRECTED BY THE FIELD ENGINEER.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL OR EQUIPMENT WITHIN WETLANDS OR PROTECTED AREAS IS NOT ALLOWED. WETLAND BOUNDARIES ARE SHOWN ON PLAN SHEETS.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

REMOVING CONCRETE INCLUDES ANY MESH OR REINFORCEMENT THAT MAY BE PART OF THE PAVEMENT STRUCTURE. EXISTING PAVEMENT DEPTHS ARE BASED ON AS-BUILT DATA AND MAY VARY IN THE FIELD.

BASE PATCHING CONCRETE OVERNIGHT AND CONCRETE PAVEMENT REPAIR AND REPLACEMENT OVERNIGHT JOINT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVING PAVEMENT BUTT JOINTS AT BRIDGES SHALL NOT EXTEND INTO CONCRETE PAVEMENT APPROACH SLABS.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING, OR PARKING LANE.

THE CONTRACTOR SHALL VERIFY EXISTING MEDIAN SHOULDER PAVEMENT CROSS SLOPES AND EXISTING PAVEMENT ELEVATIONS AT MEDIAN SAWCUT LOCATIONS TO ENSURE ACCURATE CONCRETE BASE ELEVATIONS AND INLET GRADE ELEVATIONS PRIOR TO PLACING INLETS, CONCRETE BASE, AND CONCRETE BARRIER. EXISTING PAVEMENT STRUCTURE INCLUDES EITHER CONCRETE PAVEMENT OR CONCRETE PAVEMENT WITH AN ASPHALT OVERLAY. ASSUMED EXISTING PAVEMENT THICKNESSES ARE BASED ON AS-BUILT PLANS. FIELD CONDITIONS MAY VARY.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN TACK COAT APPLICATION RATES ARE ESTIMATED AT 0.07 GALLONS PER SY BETWEEN THE EXISTING CONCRETE PAVEMENT AND THE 2-INCH ASPHALT OVERLAY, AND BETWEEN THE MILLED ASPHALT SURFACE AND THE 2-INCH ASPHALT OVERLAY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PAVEMENT MAINTENANCE REPAIRS ON USH 12 MAINLINE LANES, AUXILIARY LANES, AND RAMPS DURING CONSTRUCTION. PAVEMENT REPAIR AND TRAFFIC CONTROL ITEMS WILL BE PAID UNDER THEIR RESPECTIVE BID ITEMS.

EMBAKMENT FOR EAT GRADING LOCATIONS IS QUANTIFIED AS BASE AGGREGATE DENSE 3/4-INCH.

COLLECT AND DISPOSE OF ALL DEBRIS GENERATED BY WORK OPERATIONS. SWEEPING OF CLOSED LANES PRIOR TO RE-OPENING IS REQUIRED AT ALL LOCATIONS WHERE REMOVAL WORK IS BEING PERFORMED. DO NOT ALLOW DEBRIS TO IMPEDE DRAINAGE BENEATH TEMPORARY CONCRETE BARRIER.

REMOVAL OF EXISTING UNDERDRAIN IS INCIDENTAL TO EXCAVATION COMMON.

Table with 2 columns: ALIGNMENT IDENTIFIERS, LAYERS. Rows include CL, USH 12, EB, USH 12 EB, FHSW, USH 12 EB ENTRANCE FROM FISH HATCHERY, FHSW, USH 12 EB EXIT TO SB FISH HATCHERY, STONE, USH 12 WB EXIT RAMP TO SEMI-CIRCLE HIGHWAY, TONE, USH 12 WB EXIT TO TODD DRIVE, TONF, TODD DRIVE WB EXIT RAMP, TONG, TODD DRIVE WB EXIT RAMP, TDSE, USH 12 EB ENTRANCE RAMP FROM TODD DRIVE.

Table with 4 columns: PAVEMENT TYPE, TOTAL LAYER PAVEMENT THICKNESS, LAYERS, COMMENTS. Rows include 4 HT 58-28 V (7.5" thickness, 2" upper, 2.5" middle, 3" lower), 4 HT 58-28 V (5.5" thickness, 2.5" upper, 3" lower), ASPHALTIC SURFACE (5" thickness, 2.5" upper, 2.5" lower), 4 HT 58-28 V (4" thickness, 2" upper), 4 HT 58-28 V (4" to 3" thickness, 2" to 1" leveling, 2" upper), 4 HT 58-28 V (3" thickness, 3" upper), 4 HT 58-28 V (2" thickness, 2" upper), 4 HT 58-28 V (1.75" thickness, 1.75" upper).

PLAN PROFESSIONAL ENGINEER STAMPS

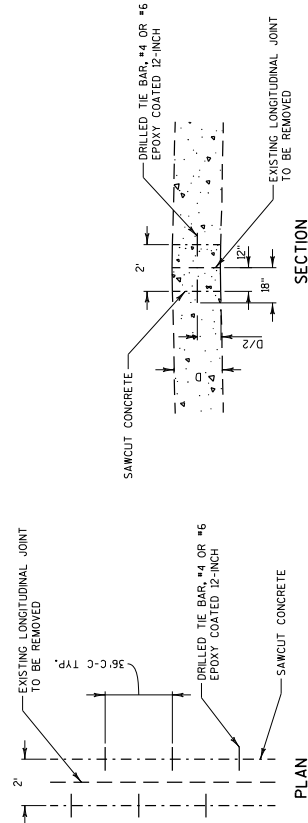
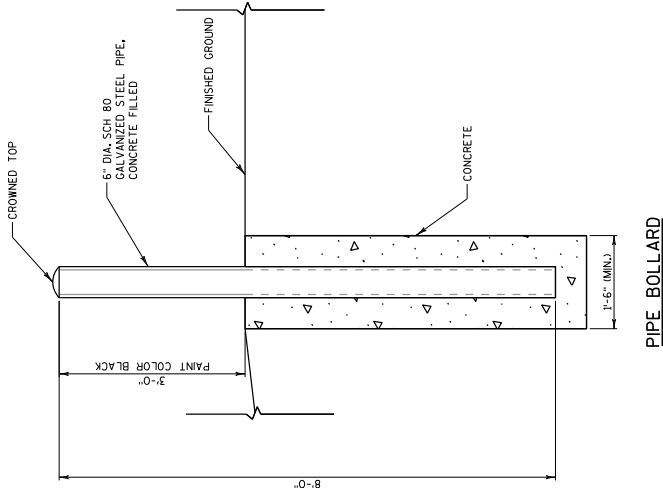
ORIGINAL PLANS PREPARED BY STRAND ASSOCIATES, INC. FOR THE FOLLOWING DESIGN: STORM SEWER PLANS TMS PLANS PROFESSIONAL ENGINEER STAMPS ARE INCLUDED ON THE FIRST PAGE OF THE RESPECTIVE DESIGN PLANS.

ABBREVIATIONS

- AEW APRON END WALL
AGG AGGREGATE
BAD BASE AGGREGATE DENSE
BM BENCH MARK
C&G CURB AND GUTTER
CIL CENTER OF CONSTRUCTION LINE
CONC CONCRETE
CP CULVERT PIPE
CPRC CULVERT PIPE REINFORCED CONCRETE
CSD CONCRETE SURFACE DRAIN
CY CUBIC-YARD
D DEGREE OF CURVE
DELTA DELTA
DISCH DISCHARGE
EAT ENERGY ABSORBING TERMINAL
ETW EDGE OF TRAVELED WAY
FE FIELD ENTRANCE
HMA HOT MIX ASPHALT
INV INVERT
L LENGTH OF CURVE
LHF LEFT HAND FORWARD
LT LEFT
MIN MINIMUM
ML MATCHLINE
NB NORTHBOUND
NC NORMAL CROWN
PAVT PAVEMENT
PC POINT OF CURVE
PCC POINT OF COMPOUND CURVE
PE PRIVATE ENTRANCE
PI POINT OF INTERSECTION
PLE PERMANENT LIMITED EASMENT
PT POINT OF TANGENT
R RADIUS OF CURVE
REFERENCE LINE
R/W RIGHT OF WAY
RC REVERSE CROWN
RCAEW APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
REOD REQUIRED
RHF RIGHT HAND FORWARD
RO RUN OFF LENGTH
RRSP RAILROAD SPIKE
RT RIGHT
SALV SALVAGED
SAPBC SALVAGED ASPHALTIC PAVEMENT BASE COARSE
SB SOUTHBOUND
SDD STANDARD DETAIL DRAWINGS
SE SUPER ELEVATION
SF SQUARE FOOT
SHLDR SHOULDER
SSPRC STORM SEWER PIPE REINFORCED CONCRETE
STA STATION
SY SQUARE YARD
T TANGENT LENGTH
TLE TEMPORARY LIMITED EASEMENT
VCL VERTICAL CURVE LENGTH
VPC POINT OF VERTICAL CURVE
VPI POINT OF VERTICAL INTERSECTION
VPT POINT OF VERTICAL TANGENT

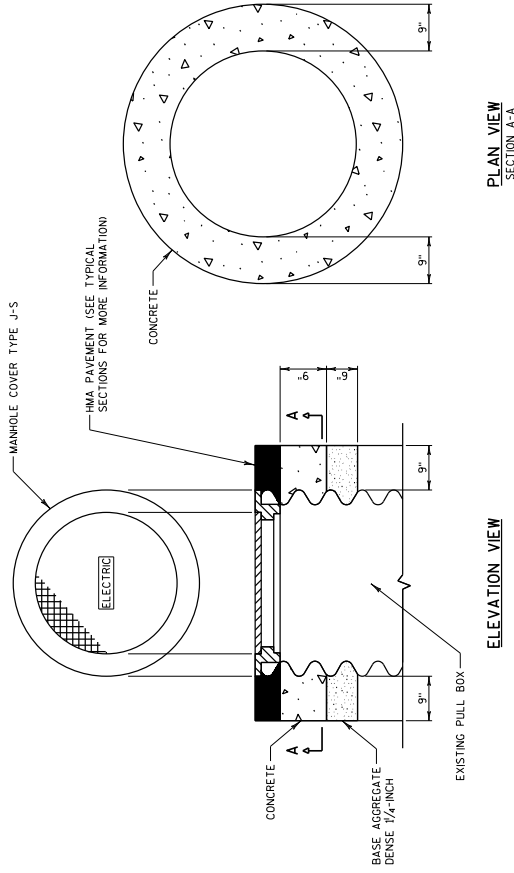
Addendum No. 01
ID 1206-06-79
Revised Sheet 3
November 25, 2020

Addendum No. 01
 ID 1206-06-79
 Added Sheet 38A
 November 25, 2020



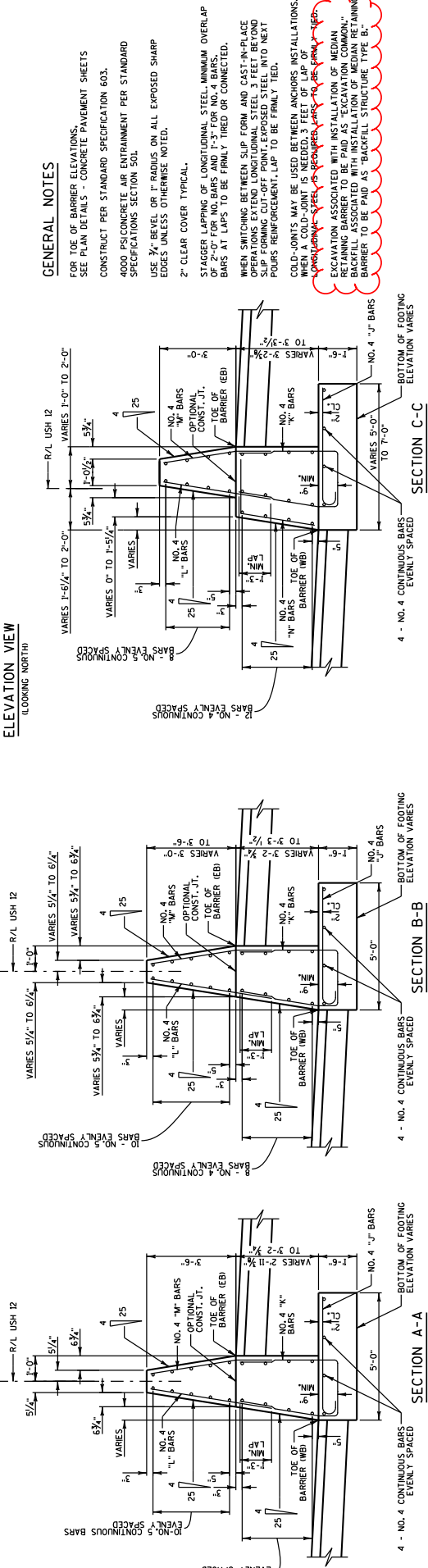
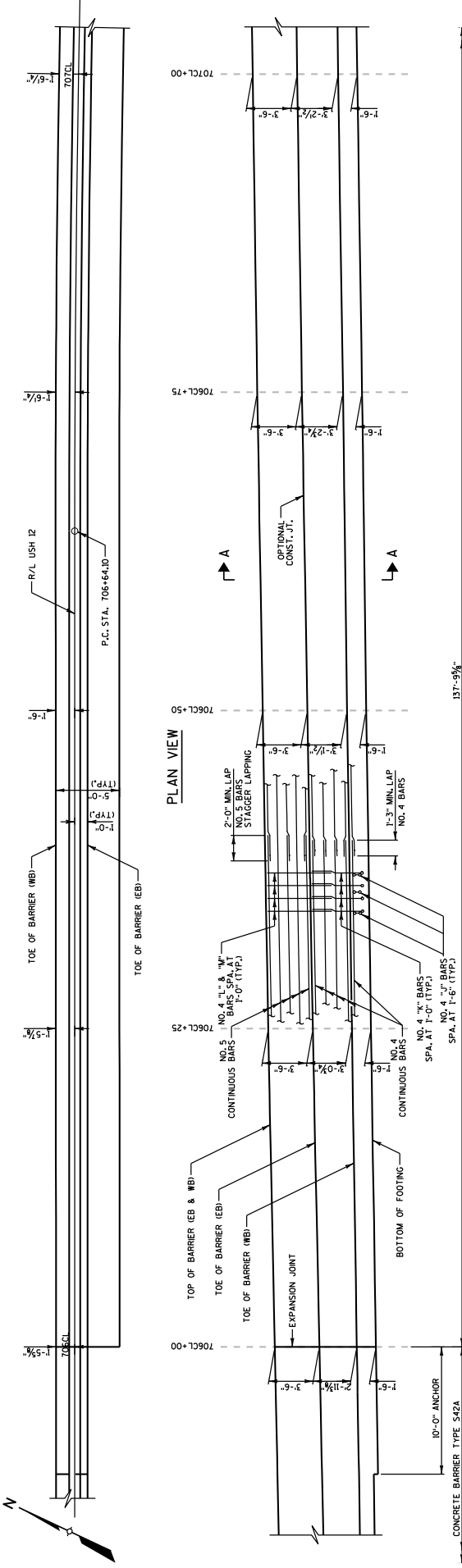
CONCRETE PAVEMENT REPAIR LONGITUDINAL JOINT OVERNIGHT DETAIL

NOTES:
 1. TIE BAR MAY BE DRILLED AT AN ANGLE, BUT MUST THEN BE BENT PERPENDICULAR TO JOINT AFTER INSTALLATION.



ADJUSTING PULL BOXES CONCRETE REINFORCEMENT

NOTES:
 1. EXCAVATION, CONCRETE, BASE AGGREGATE AND HMA PAVEMENT SHALL BE PERFORMED TO "ADJUSTING PULL BOXES CONCRETE REINFORCEMENT."

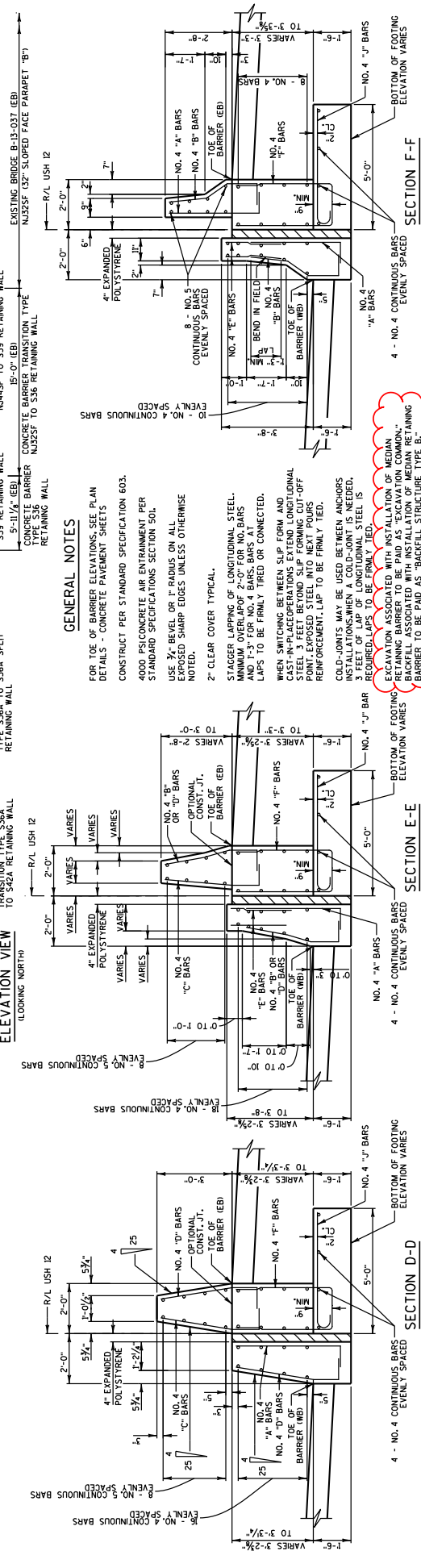
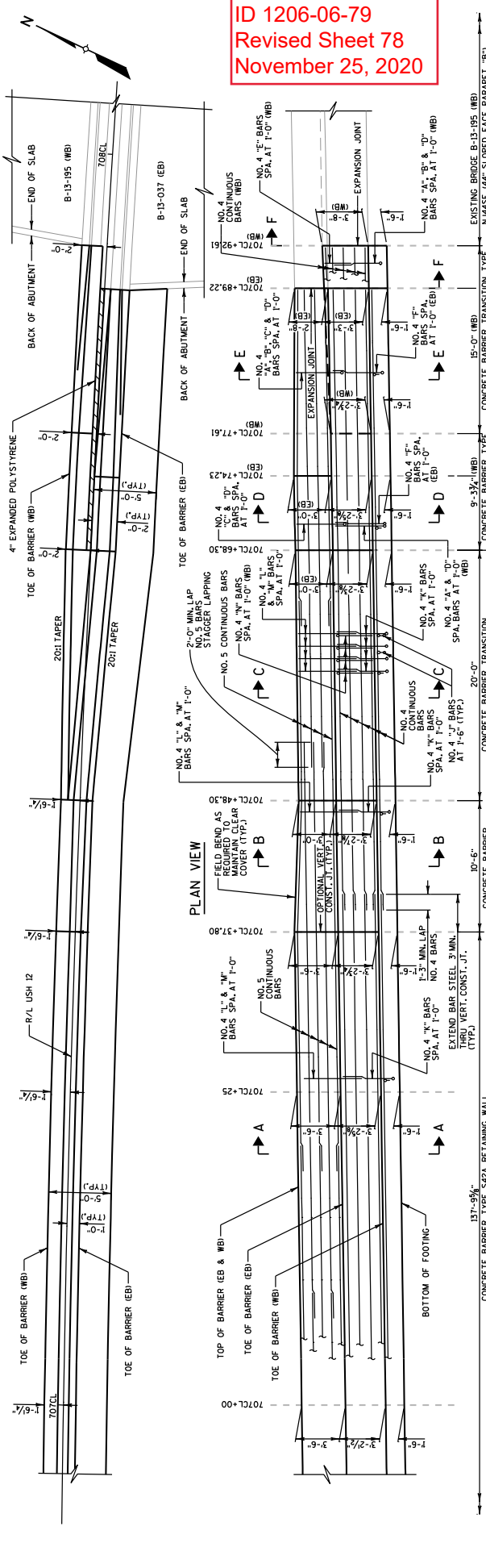


GENERAL NOTES

- FOR TOE OF BARRIER ELEVATIONS, SEE PLAN DETAILS - CONCRETE PAVEMENT SHEETS CONSTRUCT PER STANDARD SPECIFICATION 603.
- 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.
- USE 3/4" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
- 2" CLEAR COVER TYPICAL.
- STAGGER LAPPING OF LONGITUDINAL STEEL MINIMUM OVERLAP OF 2'-0" FOR NO. 4 BARS AND 1'-3" FOR NO. 4 BARS. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
- WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS EXTEND LONGITUDINAL STEEL 3 FEET BEYOND JOINT TO NEXT POURS REINFORCEMENT. LAP TO BE FIRMLY TIED.
- COLD-JOINTS MAY BE USED BETWEEN INSTALLATIONS. WHEN A COLD-JOINT IS NEEDED, 3 FEET OF LAP OF REINFORCEMENT SHALL BE USED.
- EXCAVATION ASSOCIATED WITH INSTALLATION OF MEDIAN RETAINING BARRIER TO BE PAID AS "EXCAVATION COMMON". EXCAVATION ASSOCIATED WITH INSTALLATION OF MEDIAN RETAINING BARRIER TO BE PAID AS "BACKFILL STRUCTURE TYPE B".

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 77
 November 25, 2020

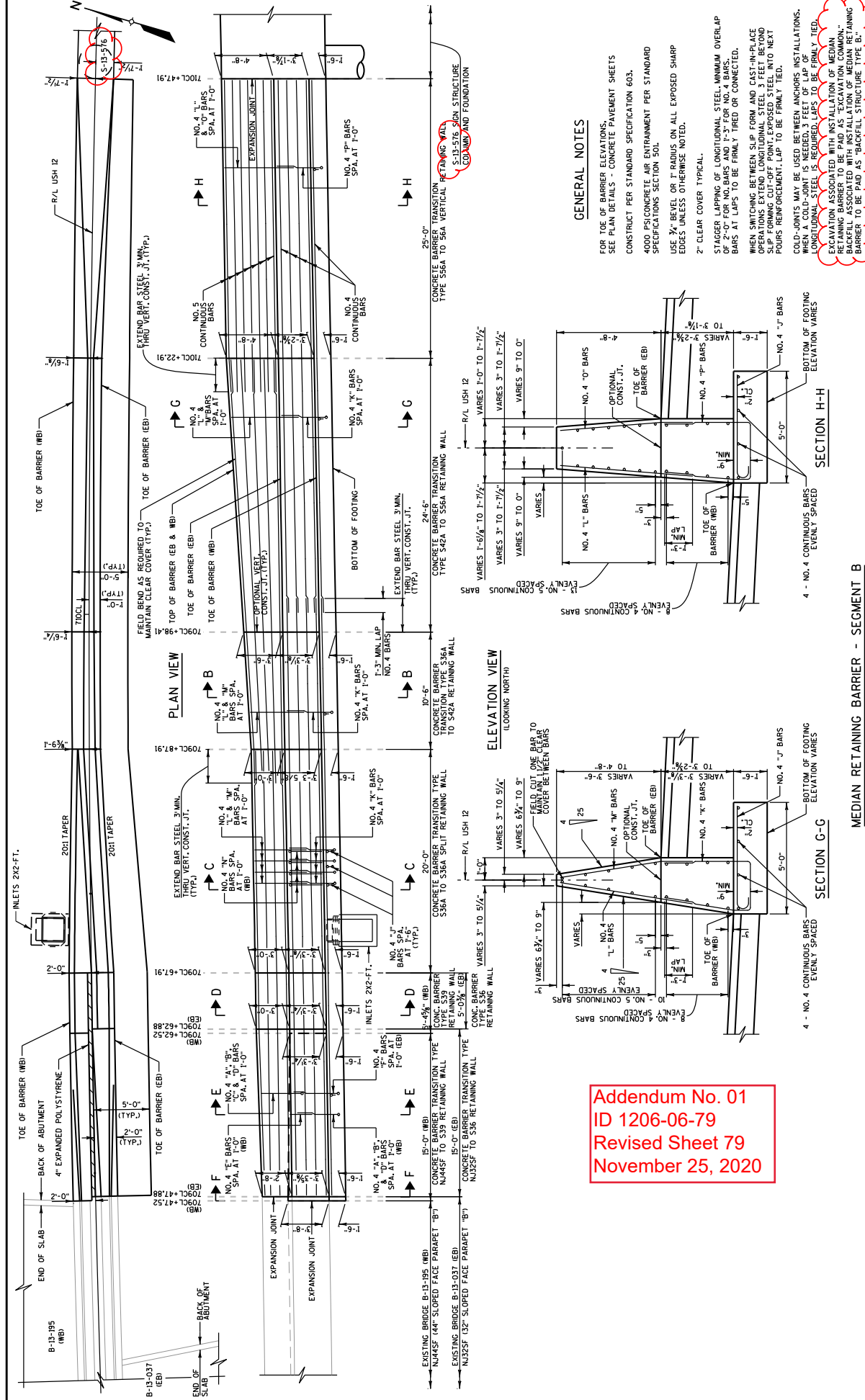
Addendum No. 01
ID 1206-06-79
Revised Sheet 78
November 25, 2020



GENERAL NOTES

- FOR TOE OF BARRIER ELEVATIONS, SEE PLAN DETAILS - CONCRETE PAVEMENT SHEETS
- CONSTRUCT PER STANDARD SPECIFICATION 603.
- 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 504.
- USE 3/4" BEVEL OR 1" RADIUS ON ALL CORNERED SHARP EDGES UNLESS OTHERWISE NOTED.
- 2" CLEAR COVER TYPICAL.
- STAGGER LAPPING OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF 2'-0" FOR NO. 4 BARS AND 1'-3" FOR NO. 4 BARS. BARS AT LAPS TO BE FINELY TIED OR CONNECTED.
- WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP FORMING CUT-OFF POINT TO CAST-IN-PLACE BARRIER.
- REINFORCEMENT LAP TO BE FINELY TIED.
- COLD-JOINTS MAY BE USED BETWEEN ANCHORS AND BARS. MINIMUM ANCHOR DEVELOPMENT LENGTH, 3 FEET. LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FINELY TIED.
- EXPANSION JOINTS TO BE FINELY TIED.
- BACKFILL ASSOCIATED WITH EXCAVATION COMMON TO BARRIER TO BE PAID AS "BACKFILL STRUCTURE TYPE B."

MEDIAN RETAINING BARRIER - SEGMENT A, CONTINUED

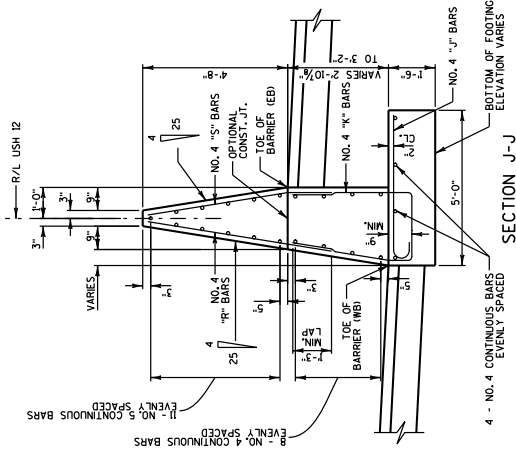
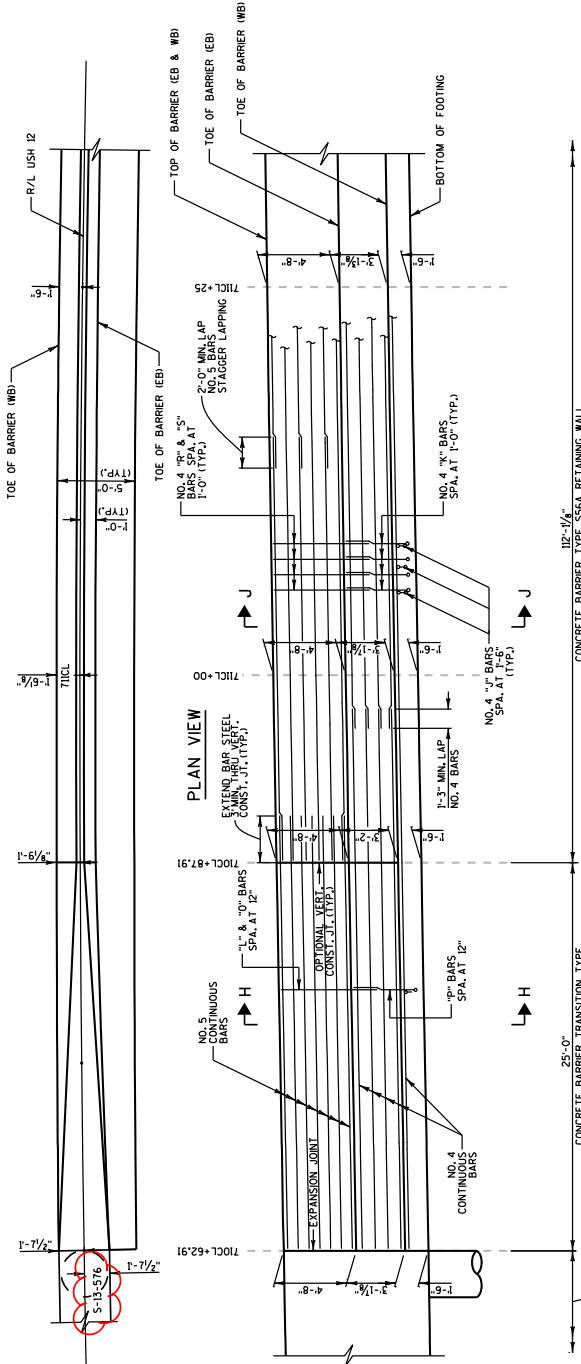
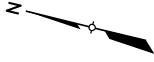


Addendum No. 01
 ID 1206-06-79
 Revised Sheet 79
 November 25, 2020

GENERAL NOTES

- FOR TOE OF BARRIER ELEVATIONS, SEE PLAN DETAILS - CONCRETE PAVEMENT SHEETS
- CONSTRUCT PER STANDARD SPECIFICATION 603.
- 4000 PS CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.
- USE 3/4" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
- 2" CLEAR COVER TYPICAL.
- STAGGER LAPPING OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF 2'-0" FOR NO. 4 BARS AND 1'-3" FOR NO. 5 BARS. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
- WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP FORMING CUT-OFF POINT, EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAP TO BE FIRMLY TIED.
- COLD-JOINTS MAY BE USED BETWEEN ANCHORS INSTALLATIONS. WHEN A COLD-JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED.
- EXCAVATION ASSOCIATED WITH INSTALLATION OF MEDIAN RETAINING BARRIER TO BE PAID AS "EXCAVATION COMMON." BACKFILL ASSOCIATED WITH INSTALLATION OF MEDIAN RETAINING BARRIER TO BE PAID AS "BACKFILL STRUCTURE TYPE B."

Addendum No. 01
ID 1206-06-79
Revised Sheet 80
November 25, 2020



GENERAL NOTES

- FOR TOE OF BARRIER ELEVATIONS, SEE PLAN DETAILS - CONCRETE PAVEMENT SHEETS
- CONSTRUCT PER STANDARD SPECIFICATION 603.
- 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.
- USE $\frac{3}{8}$ " BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
- 2" CLEAR COVER TYPICAL.
- STAGGER LAPSPANS OF LONGITUDINAL STEEL MINIMUM OVERLAP OF 2'-0" FOR NO. 4 BARS AND 1'-3" FOR NO. 5 BARS. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
- WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP FORMING OUT-OF-POINT EXPOSED STEEL INTO NEXT POURS REINFORCEMENT LAP TO BE FIRMLY TIED.
- COLD-JOINTS MAY BE USED BETWEEN ANCHORS, INSTALLATIONS, WHEN A COLD-JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED.
- EXCAVATION ASSOCIATED WITH INSTALLATION OF MEDIAN RETAINING BARRIER TO BE PAID AS "EXCAVATION COMMON." BACKFILL ASSOCIATED WITH INSTALLATION OF MEDIAN RETAINING BARRIER TO BE PAID AS "BACKFILL STRUCTURE TYPE B."

MEDIAN RETAINING BARRIER - SEGMENT C

(STA. 710CL+62.91 - STA. 712CL+00)

PROJECT NO: 1206-06-79

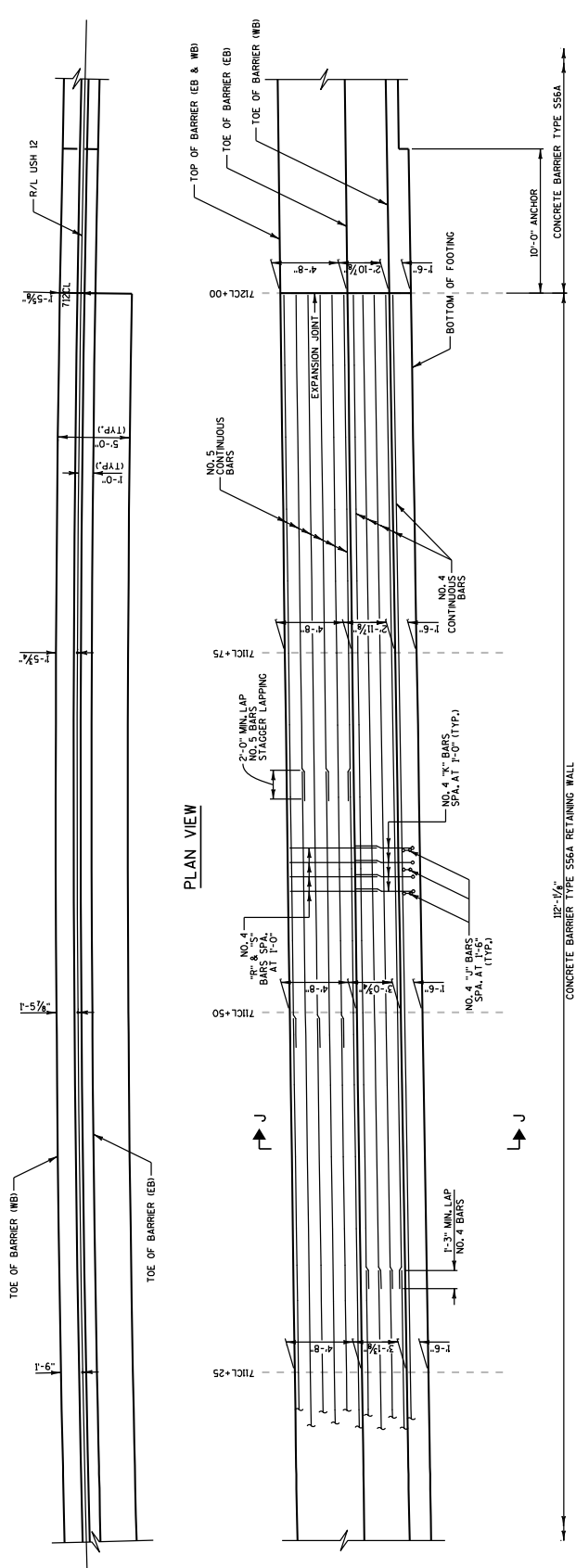
HWY: USH 12

COUNTY: DANE

CONSTRUCTION DETAILS

SHEET 80

E



ELEVATION VIEW
(LOOKING NORTH)

GENERAL NOTES

FOR TOE OF BARRIER ELEVATIONS, SEE PLAN DETAILS - CONCRETE PAVEMENT SHEETS

CONSTRUCT PER STANDARD SPECIFICATION 603.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.

USE 3/4" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.

2" CLEAR COVER TYPICAL.

STAGGER LAPPING OF LONGITUDINAL STEEL MINIMUM OVERLAP OF 2'-0" FOR NO. 5 BARS AND 1'-3" FOR NO. 4 BARS. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.

WHEN SWITCHING BETWEEN SUPPLY FORM AND CAST-IN-PLACE OPERATIONS, EXTEND THROUGH MAXIMUM 2 FEET BEYOND SLIP FORMING CUT-OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT LAP TO BE FIRMLY TIED.

COLD-JOINTS MAY BE USED BETWEEN ANCHORS INSTALLATIONS. WHEN A COLD-JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED.

EXCAVATION ASSOCIATED WITH INSTALLATION OF MEDIAN RETAINING BARRIER TO BE PAID AS "EXCAVATION COMMON" BACKFILL ASSOCIATED WITH INSTALLATION OF MEDIAN RETAINING BARRIER TO BE PAID AS "BACKFILL STRUCTURE TYPE B."

Addendum No. 01
ID 1206-06-79
Revised Sheet 81
November 25, 2020

MEDIAN RETAINING BARRIER - SEGMENT C, CONTINUED

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 209
 November 25, 2020

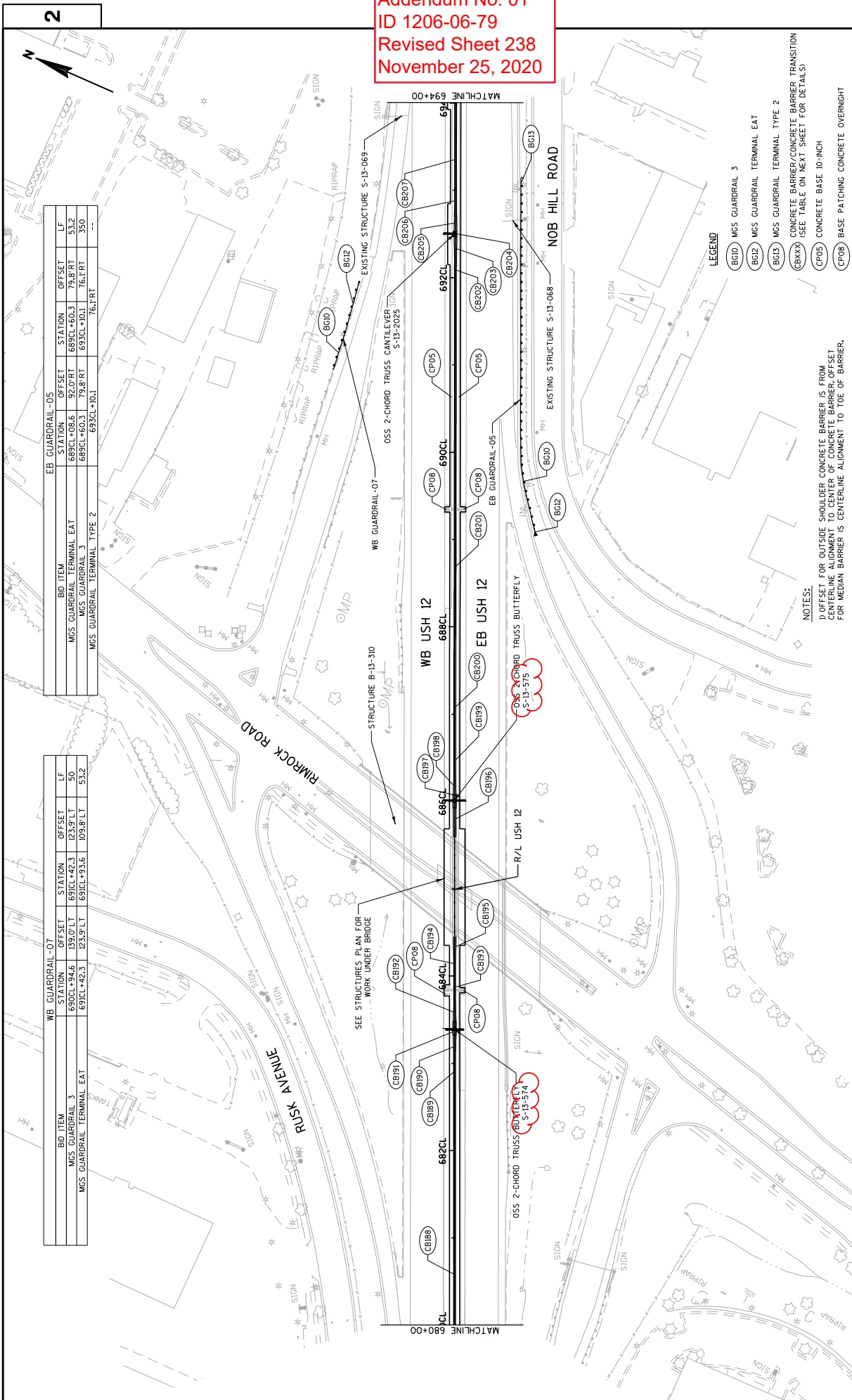
TOE OF MEDIUM BARRIER TRANSITION TYPE, STATION, OFFSET AND ELEVATION TABLE

POINT NO.	OFFSET STATION	ELEV	OFFSET	STATION	ELEV	LENGTH (FEET)	BARRIER TYPE
	485CL+92.64	-		482CL+47.50	-	1,554.86	EB BARRIER SPLIT AT STA. 485CL+92.64
CB021	483CL+47.50	-		482CL+57.50	-	10.00	EXISTING CONCRETE BARRIER
	9.00 RT. EL 1006.18	-		8.99 FT. EL 1006.18	-		CONCRETE BARRIER TYPE S42
CB022	483CL+57.50	-		482CL+82.00	-	24.50	CONCRETE BARRIER TRANSITION TYPE S42 TO S56
	8.99 RT. EL 1006.03	-		9.07 FT. EL 1025.62	-		CONCRETE BARRIER TRANSITION TYPE S56 TO 56 VERTICAL
CB023	483CL+82.00	-		483CL+07.00	-	25.00	CONCRETE BARRIER TRANSITION TYPE S56 TO 56 VERTICAL
	9.00 RT. EL 1025.62	-		8.99 FT. EL 1025.16	-		CONCRETE BARRIER TRANSITION TYPE S56 TO 56 VERTICAL
CB024	483CL+07.00	-		483CL+13.00	-	6.00	S-13-2038 SIGN STRUCTURE COLUMN AND FOUNDATION (STA. 483CL+10)
	8.99 RT. EL 1025.16	-		9.07 FT. EL 1025.05	-		CONCRETE BARRIER TRANSITION TYPE S56 TO 56 VERTICAL
CB025	483CL+13.00	-		483CL+38.00	-	25.00	CONCRETE BARRIER TRANSITION TYPE S56 TO 56 VERTICAL
	9.00 RT. EL 1025.05	-		8.99 FT. EL 1024.54	-		CONCRETE BARRIER TRANSITION TYPE S56 TO 56 VERTICAL
CB026	483CL+38.00	-		483CL+62.50	-	24.50	CONCRETE BARRIER TRANSITION TYPE S42 TO S56
	9.00 RT. EL 1024.54	-		9.07 FT. EL 1024.00	-		CONCRETE BARRIER TRANSITION TYPE S42 TO S56
CB027	483CL+62.50	-		483CL+72.50	-	10.00	CONCRETE BARRIER TYPE S42
	9.00 RT. EL 1024.00	-		9.07 FT. EL 1023.77	-		CONCRETE BARRIER TYPE S42
CB028	483CL+72.50	-		489CL+37.50	-	565.00	EXISTING CONCRETE BARRIER
	8.53 RT. EL 1008.84	-		489CL+47.50	-		CONCRETE BARRIER TYPE S42C
CB029	489CL+37.50	-		489CL+72.00	-	24.50	CONCRETE BARRIER TRANSITION TYPE S42 TO S56
	8.51 RT. EL 1008.67	-		8.46 FT. EL 1008.26	-		CONCRETE BARRIER TRANSITION TYPE S42 TO S56
CB030	489CL+72.00	-		489CL+97.00	-	25.00	CONCRETE BARRIER TRANSITION TYPE S56 TO 56 VERTICAL
	8.45 RT. EL 1008.26	-		8.38 FT. EL 1007.88	-		S-13-2038 SIGN STRUCTURE COLUMN AND FOUNDATION (STA. 490+00)
CB031	489CL+97.00	-		490CL+03.00	-	6.00	CONCRETE BARRIER TRANSITION TYPE S56 TO 56 VERTICAL
	8.36 RT. EL 1007.88	-		8.36 FT. EL 1007.79	-		CONCRETE BARRIER TRANSITION TYPE S56 TO 56 VERTICAL
CB032	490CL+03.00	-		490CL+28.00	-	25.00	CONCRETE BARRIER TRANSITION TYPE S42 TO S56
	8.29 RT. EL 1007.79	-		8.29 FT. EL 1007.44	-		CONCRETE BARRIER TRANSITION TYPE S42C
CB033	490CL+28.00	-		490CL+52.50	-	24.50	CONCRETE BARRIER TRANSITION TYPE S42 TO S56
	8.29 RT. EL 1007.44	-		8.21 FT. EL 1007.11	-		CONCRETE BARRIER TRANSITION TYPE S42C
CB034	490CL+52.50	-		490CL+62.50	-	10.00	EXISTING CONCRETE BARRIER
	8.21 RT. EL 1007.11	-		8.18 FT. EL 1006.99	-		EXISTING CONCRETE BARRIER
	499CL+62.50	-		499CL+10.35	-	747.85	

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 238
 November 25, 2020

WB GUARDRAIL-07					
BID ITEM	STATION	OFFSET	STATION	OFFSET	LF
MGS GUARDRAIL 3	690CL+94.6	139.0'LT	691CL+42.3	123.9'LT	50
MGS GUARDRAIL TERMINAL EAT	691CL+42.3	123.9'LT	691CL+93.6	109.8'LT	53.2

EB GUARDRAIL-05					
BID ITEM	STATION	OFFSET	STATION	OFFSET	LF
MGS GUARDRAIL 3	689CL+08.6	92.0'RT	689CL+60.3	79.8'RT	53.2
MGS GUARDRAIL TERMINAL EAT	689CL+60.3	79.8'RT	693CL+10.1	76.1'RT	350
MGS GUARDRAIL TERMINAL TYPE 2	693CL+10.1	76.1'RT			--



NOTES:
 1) OFFSET FOR OUTSIDE SHOULDER CONCRETE BARRIER IS FROM CENTERLINE ALIGNMENT TO CENTER OF CONCRETE BARRIER. OFFSET FOR MEDIAN BARRIER IS CENTERLINE ALIGNMENT TO TOE OF BARRIER.

- LEGEND
- (BC00) MGS GUARDRAIL 3
 - (BC02) MGS GUARDRAIL TERMINAL EAT
 - (BC03) MGS GUARDRAIL TERMINAL TYPE 2
 - (BCXX) CONCRETE BARRIER/CONCRETE BARRIER TRANSITION (SEE TABLE ON NEXT SHEET FOR DETAILS)
 - (CP05) CONCRETE BASE 10-INCH
 - (CP08) BASE PATCHING CONCRETE OVERNIGHT

PROJECT NO: 1206-06-79	COUNTY: DANE	PLAN DETAILS - CONCRETE PAVEMENT	SHEET 238
HWY: USH 12			
FILE NAME : J:\66034\1206-06-79_HSRV1\cads\021222.pd-dgn PLOT DATE : 11/23/2020 10:31:48 AM PLOT BY : ctoresck PLOT SCALE : 100:1 WSDOT/CADS SHEET 42			

TOE OF MEDIAN BARRIER TRANSITION TYPE, STATION, OFFSET AND ELEVATION TABLE

POINT NO.	OFFSET STATION ELEV	LENGTH (FEET)	BARRIER TYPE
CB188	1.00 LT. EL. 885.82	430.50	CONCRETE BARRIER TYPE S42A
	688C1+53.20		
	688C1+83.00		
CB189	1.00 LT. EL. 878.61	24.50	CONCRETE BARRIER TRANSITION TYPE S42A TO S56A, TYPE 1
	1.04 RT. EL. 873.38		
	1.04 RT. EL. 872.34		
CB190	1.04 RT. EL. 872.34	25.00	CONCRETE BARRIER TRANSITION TYPE S56A TO S66A VERTICAL, TYPE 2
	1.04 RT. EL. 872.34		
	1.04 RT. EL. 872.34		
CB191	1.04 RT. EL. 872.34	15.00	CONCRETE BARRIER TRANSITION TYPE S56A TO S66A VERTICAL, TYPE 2
	1.04 RT. EL. 872.34		
	1.04 RT. EL. 872.34		
CB192	1.04 RT. EL. 872.34	25.00	CONCRETE BARRIER TRANSITION TYPE S56A TO S66A VERTICAL, TYPE 2
	1.04 RT. EL. 872.34		
	1.04 RT. EL. 872.34		
CB193	1.04 RT. EL. 872.34	27.50	CONCRETE BARRIER TYPE S56A
	1.04 RT. EL. 872.34		
	1.04 RT. EL. 872.34		
CB194	1.04 RT. EL. 872.34	19.59	CONCRETE BARRIER TYPE S56
	1.04 RT. EL. 872.34		
	1.04 RT. EL. 872.34		
CB195	1.04 RT. EL. 872.34	25.00	CONCRETE BARRIER TRANSITION TYPE S56 TO S66 VERTICAL, TYPE 1
	1.04 RT. EL. 872.34		
	1.04 RT. EL. 872.34		
CB196	1.04 RT. EL. 872.34	114.41	RINGROCK ROAD BRIDGE B-13-310 UNDERPASS RETROFIT PIER
	1.04 RT. EL. 872.34		
	1.04 RT. EL. 872.34		
CB197	1.04 RT. EL. 872.34	33.50	CONCRETE BARRIER TRANSITION TYPE S66 VERTICAL TO S6 VERTICAL, TYPE 2
	1.04 RT. EL. 872.34		
	1.04 RT. EL. 872.34		
CB198	1.04 RT. EL. 872.34	15.00	CONCRETE BARRIER TRANSITION TYPE S66 TO S6 VERTICAL, TYPE 3
	1.04 RT. EL. 872.34		
	1.04 RT. EL. 872.34		

TOE OF MEDIAN BARRIER STATION, OFFSET AND ELEVATION (AT 50-FT. INTERVALS) TABLE

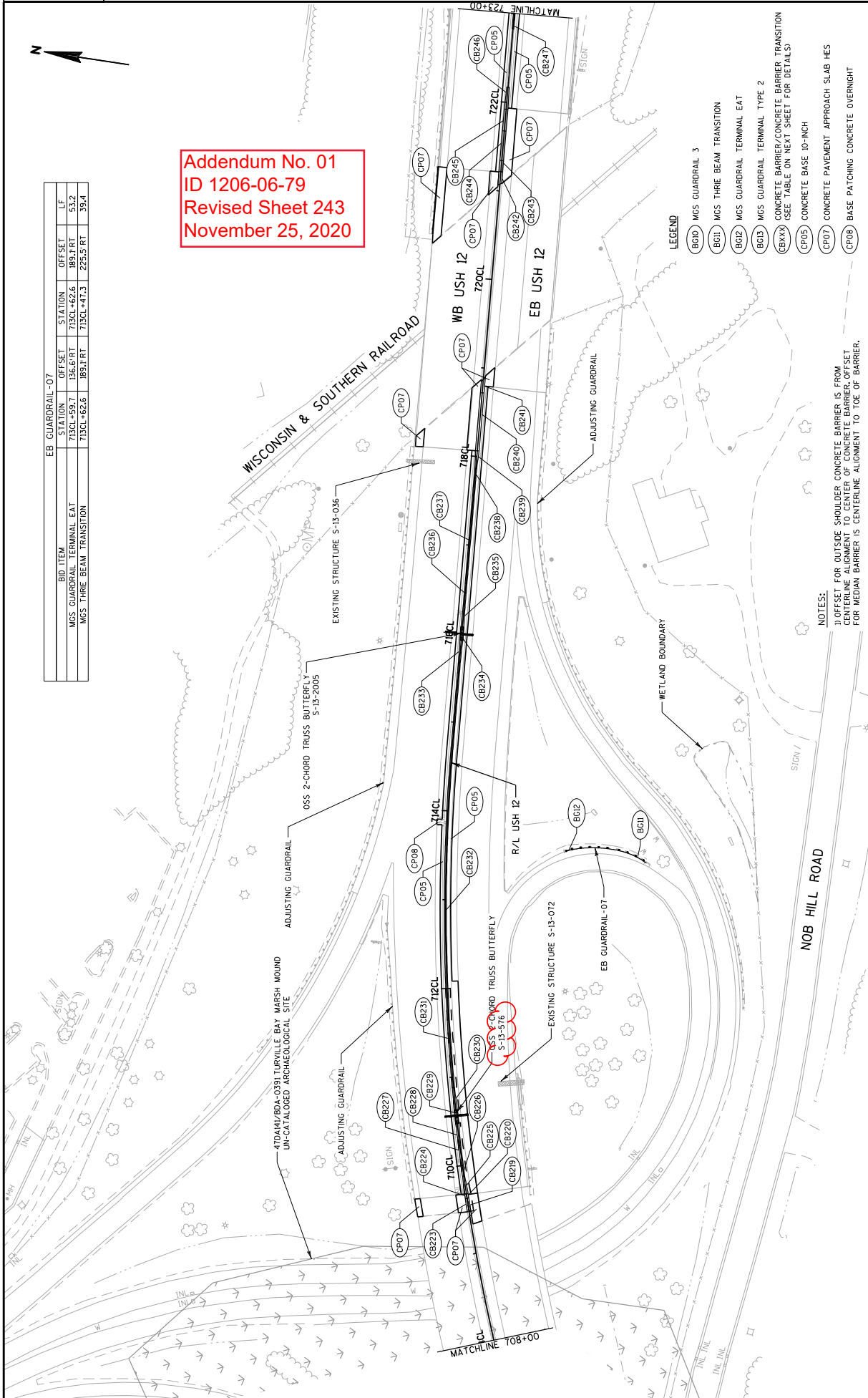
STATION	TOP OF CONCRETE BASE			TOP OF FINAL ASPHALT OVERLAY			GRADE TO NEXT STA	ELEVATION	GRADE TO NEXT STA
	WB	ELEVATION	EB	WB	ELEVATION	EB			
689+00	879.32	880.72	881.14	-1.00	881.14	880.61	-2.89%	880.61	1.14
689+50	879.32	878.93	879.34	-1.00	879.34	879.33	-2.70%	879.33	1.08
681+00	876.66	876.38	876.39	-1.00	876.39	876.06	-2.62%	876.06	1.05
681+50	876.66	875.35	875.11	-1.00	875.11	875.78	-2.69%	875.78	1.05
682+00	874.05	874.83	874.83	-1.00	874.83	874.23	-2.69%	874.23	1.04
683+00	872.75	873.27	873.27	-1.00	873.27	872.94	-2.58%	872.94	1.04
684+00	870.09	869.95	869.95	-1.00	869.95	869.10	-2.78%	869.10	1.02
685+00	868.72	868.69	868.69	-1.00	868.69	867.90	-2.44%	867.90	1.25
686+00	867.30	867.49	867.49	-1.25	867.91	867.90	-2.48%	867.90	1.25
687+00	865.28	865.28	865.28	-1.25	865.69	865.69	-2.28%	865.69	1.25
688+00	855.15	855.17	855.17	-1.25	855.55	855.58	-2.28%	855.58	1.63
689+00	854.02	854.07	854.07	-1.03	854.42	854.48	-2.06%	854.48	1.00
690+00	852.89	853.12	853.12	-1.03	853.39	853.50	-1.98%	853.50	1.00
691+00	852.13	852.13	852.13	-1.03	852.52	852.52	-1.62%	852.52	1.00
692+00	850.31	850.31	850.31	-1.03	850.71	850.71	-1.45%	850.71	1.00
693+00	850.54	850.77	850.77	-1.03	850.94	850.94	-1.48%	850.94	1.00
694+00	850.80	850.06	850.06	-1.04	850.20	850.48	-1.34%	850.48	1.00
695+00	850.83	850.87	850.87	-1.04	850.53	850.88	-1.24%	850.88	1.00
696+00	850.83	850.91	850.91	-1.06	850.91	850.33	-1.12%	850.33	1.00
697+00	850.85	857.44	857.44	-1.07	857.35	857.85	-1.00%	857.85	1.00
698+00	850.85	856.34	856.34	-1.08	856.85	857.41	-0.86%	857.41	1.00
699+00	850.85	855.34	855.34	-1.09	856.42	857.01	-0.60%	857.01	1.00
700+00	850.85	855.13	855.13	-1.09	856.07	856.74	-0.60%	856.74	1.63
699+50	850.85	855.37	855.37	-1.12	855.53	856.54	-0.48%	856.54	1.00
699+00	850.85	854.88	854.88	-1.12	855.38	856.38	-0.30%	856.38	1.00
699+50	854.88	855.83	855.83	-1.14	855.38	856.24	-0.18%	856.24	1.00

Addendum No. 01
ID 1206-06-79
Revised Sheet 239
November 25, 2020



EB GUARDRAIL-07					
BID ITEM	STATION	OFFSET	STATION	OFFSET	LF
MGS GUARDRAIL TERMINAL EAST	733CL+95.7	136.6 RT	733CL+62.6	89.7 RT	53.2
MGS THREE BEAM TRANSITION	733CL+62.6	89.7 RT	735CL+71.3	223.5 RT	39.4

Addendum No. 01
ID 1206-06-79
Revised Sheet 243
November 25, 2020



LEGEND

- BG10 MGS GUARDRAIL 3
- BG11 MGS THREE BEAM TRANSITION
- BG12 MGS GUARDRAIL TERMINAL EAST
- BG13 MGS GUARDRAIL TERMINAL TYPE 2
- CBXXX CONCRETE BARRIER/CONCRETE BARRIER TRANSITION (SEE TABLE ON NEXT SHEET FOR DETAILS)
- CP05 CONCRETE BASE 10-INCH
- CP07 CONCRETE PAVEMENT APPROACH SLAB HES
- CP08 BASE PATCHING CONCRETE OVERNIGHT

NOTES:

1. OFFSET FOR OUTSIDE SHOULDER CONCRETE BARRIER IS FROM CENTERLINE ALIGNMENT TO CENTER OF CONCRETE BARRIER, OFFSET FOR MEDIAN BARRIER IS CENTERLINE ALIGNMENT TO TOE OF BARRIER.

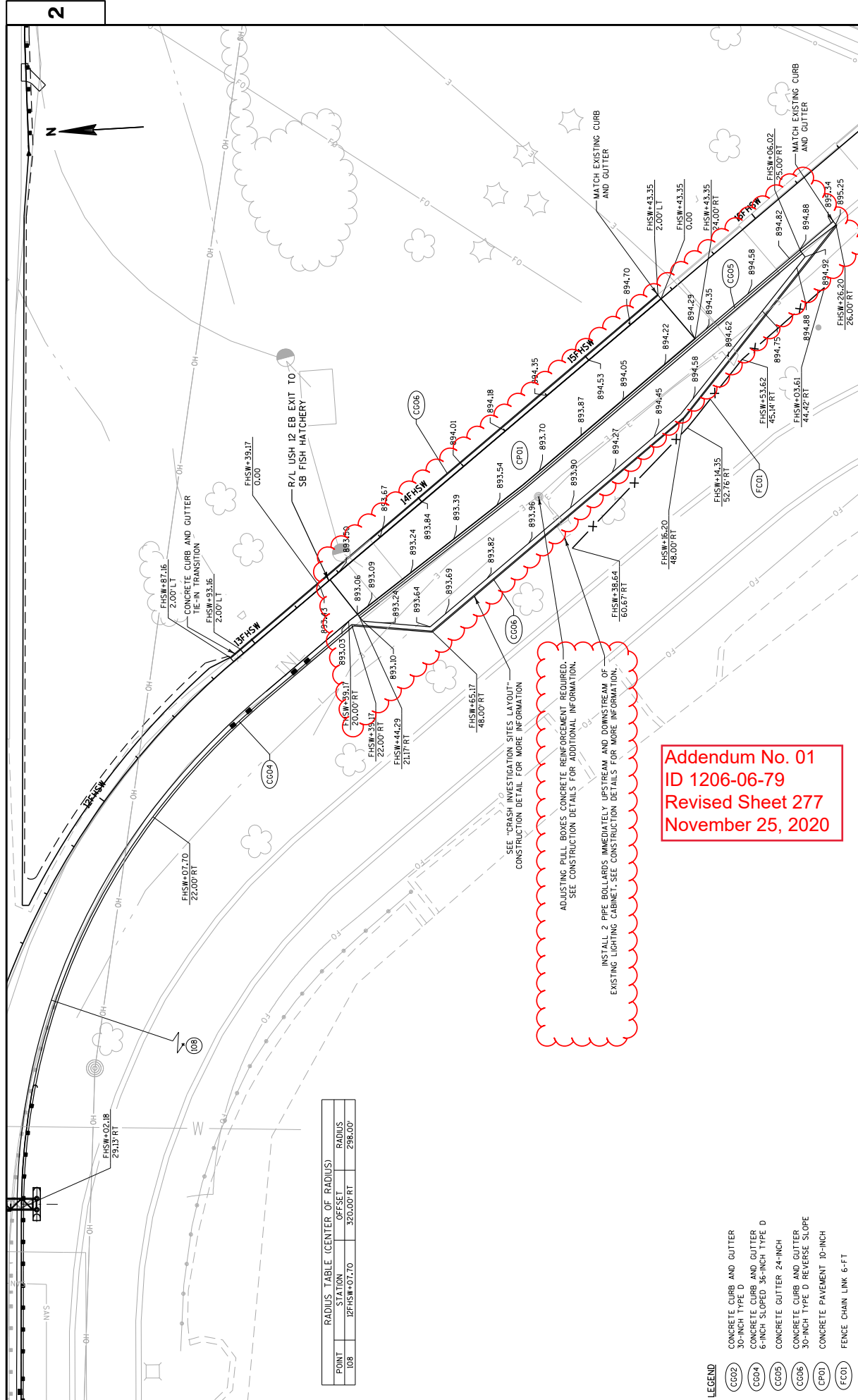
TOE OF MEDIAN BARRIER TRANSITION TYPE, STATION, OFFSET AND ELEVATION (AT 50-FT. INTERVALS) TABLE

Table with columns: STATION, ELEVATION, GRADE TO NEXT STA., WB, ELEVATION, DELTA, ELEVATION, GRADE TO NEXT STA., EB, GRADE TO NEXT STA., OFFSET, ELEVATION, GRADE TO NEXT STA. Includes data for existing John Nolen Drive Bridge and existing railroad bridge.

Addendum No. 01
ID 1206-06-79
Revised Sheet 244
November 25, 2020

TOE OF MEDIAN BARRIER TRANSITION TYPE, STATION, OFFSET AND ELEVATION TABLE

Table with columns: POINT NO., OFFSET STATION, ELEV., LENGTH (FEET), BARRIER TYPE. Includes descriptions for various retaining walls and barrier types.



RADIUS TABLE (CENTER OF RADIUS)		
POINT	STATION	RADIUS
108	12FHSM+07.70	320.00/RT
		298.00

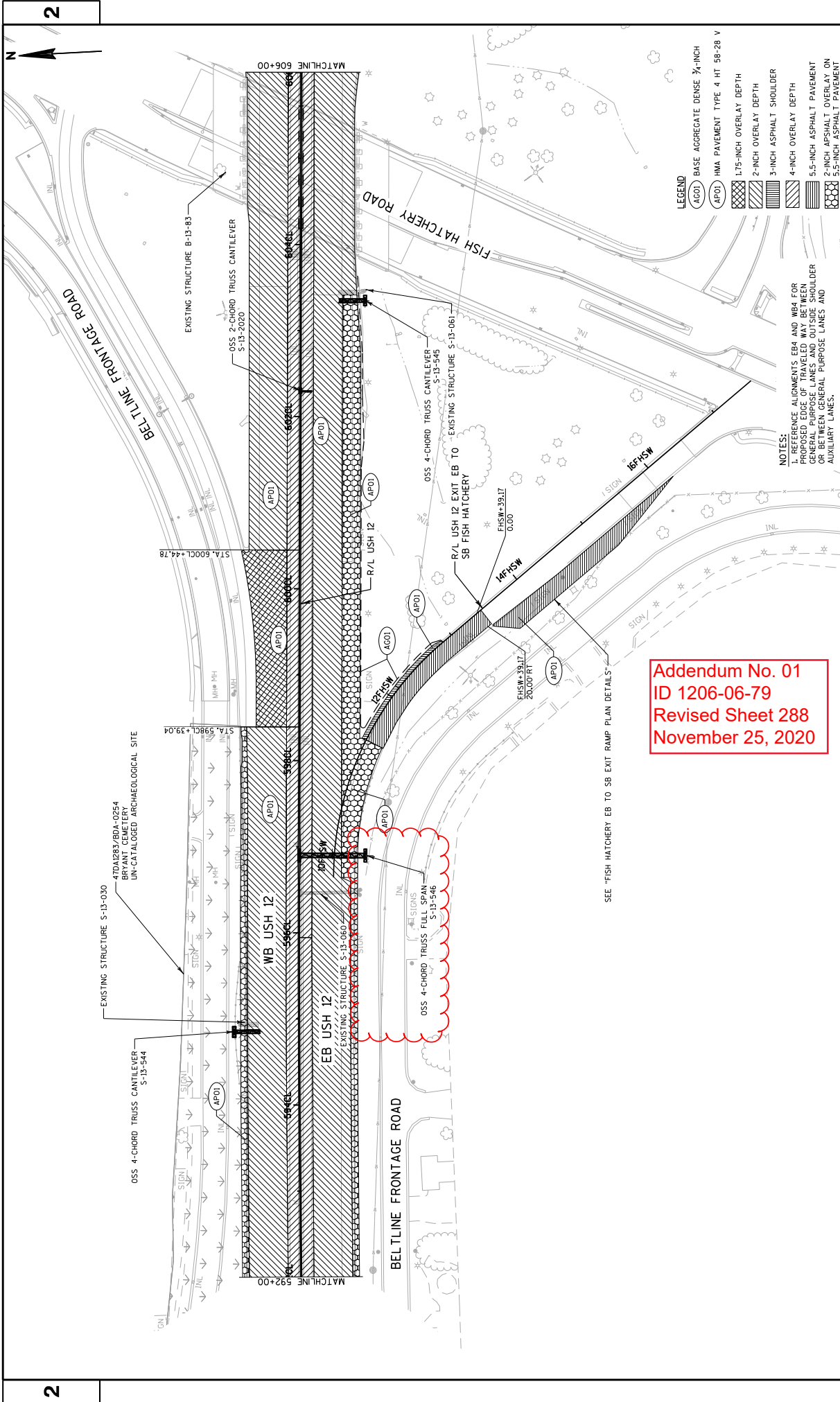
- LEGEND**
- CG02 CONCRETE CURB AND GUTTER 30-INCH TYPE D
 - CG04 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
 - CG05 CONCRETE GUTTER 24-INCH
 - CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE D REVERSE SLOPE
 - CP01 CONCRETE PAVEMENT 10-INCH
 - FC01 FENCE CHAIN LINK 6-FT

SEE "CRASH INVESTIGATION SITES LAYOUT" CONSTRUCTION DETAIL FOR MORE INFORMATION.

ADJUSTING PULL BOXES CONCRETE REINFORCEMENT REQUIRED. SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

INSTALL 2 PIPE BOLLARDS IMMEDIATELY UPSTREAM AND DOWNSTREAM OF EXISTING LIGHTING CABINET. SEE CONSTRUCTION DETAILS FOR MORE INFORMATION.

Addendum No. 01
ID 1206-06-79
Revised Sheet 277
November 25, 2020



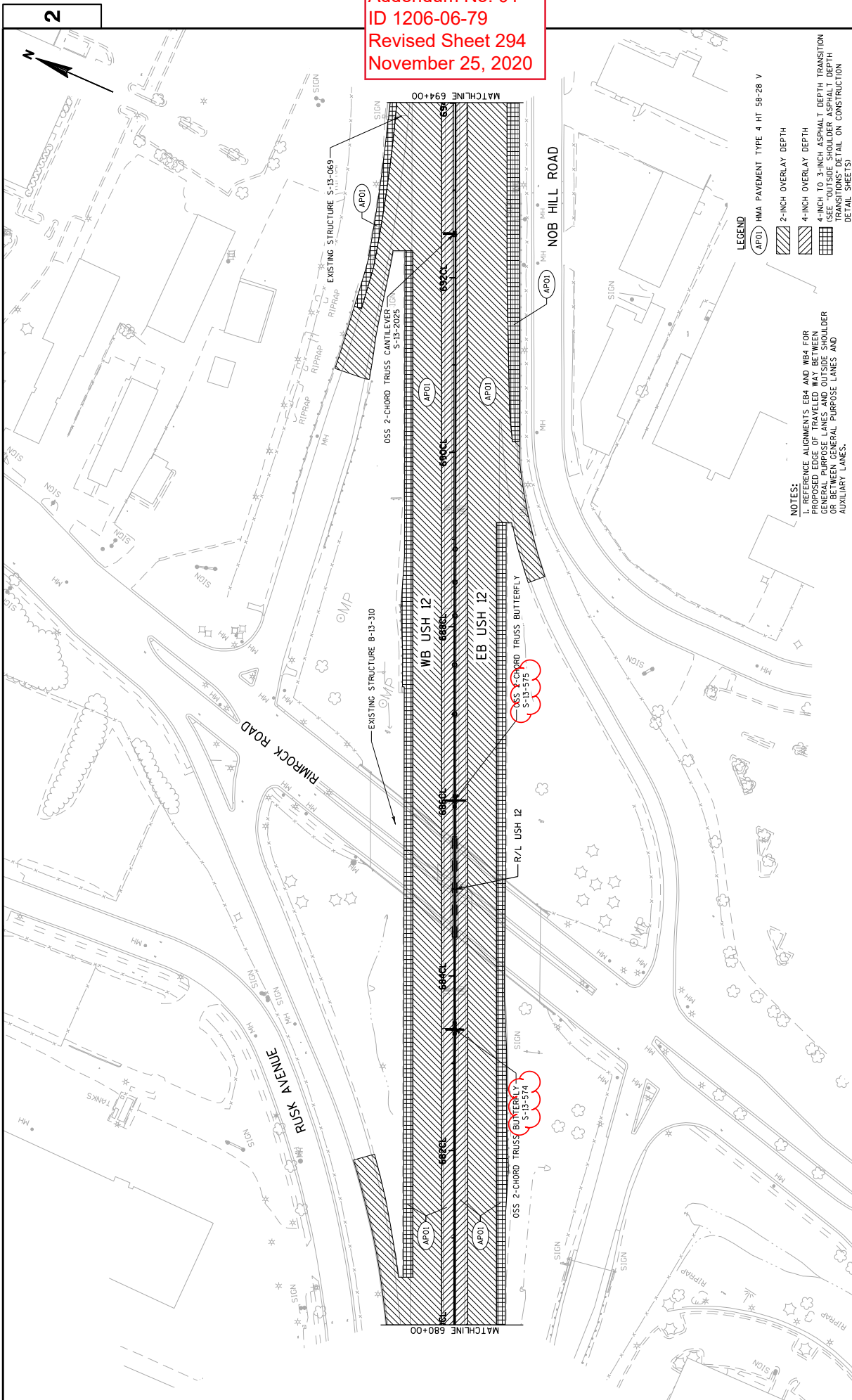
Addendum No. 01
 ID 1206-06-79
 Revised Sheet 288
 November 25, 2020

NOTES:
 1. REFERENCE ALIGNMENTS EB4 AND WB4 FOR PROPOSED EDGE OF TRAVEL WAY BETWEEN GENERAL PURPOSE LANES AND OUTSIDE SHOULDER OF GENERAL PURPOSE LANES AND AUXILIARY LANES.

- LEGEND**
- (AC01) BASE AGGREGATE DENSE 3/4-INCH
 - (AP01) HMA PAVEMENT TYPE 4 HT 58-28 V
 - 1.75-INCH OVERLAY DEPTH
 - 2-INCH OVERLAY DEPTH
 - 3-INCH ASPHALT SHOULDER
 - 4-INCH OVERLAY DEPTH
 - 5.5-INCH ASPHALT PAVEMENT
 - 2-INCH ASPHALT OVERLAY ON 5.5-INCH ASPHALT PAVEMENT

PROJECT NO: 1206-06-79	COUNTY: DANE	PLAN DETAILS - ASPHALT OVERLAY	SHEET 288
HWY: U.S.H. 12			E
FILE NAME : J:\66034\1206-06-79_HSRV1\cads\021215_pdc_esp01.r.dgn			
PLOT DATE : 11/19/2020 2:59:35 PM			
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PLOT NAME : PLAN DETAILS - ASPHALT OVERLAY			
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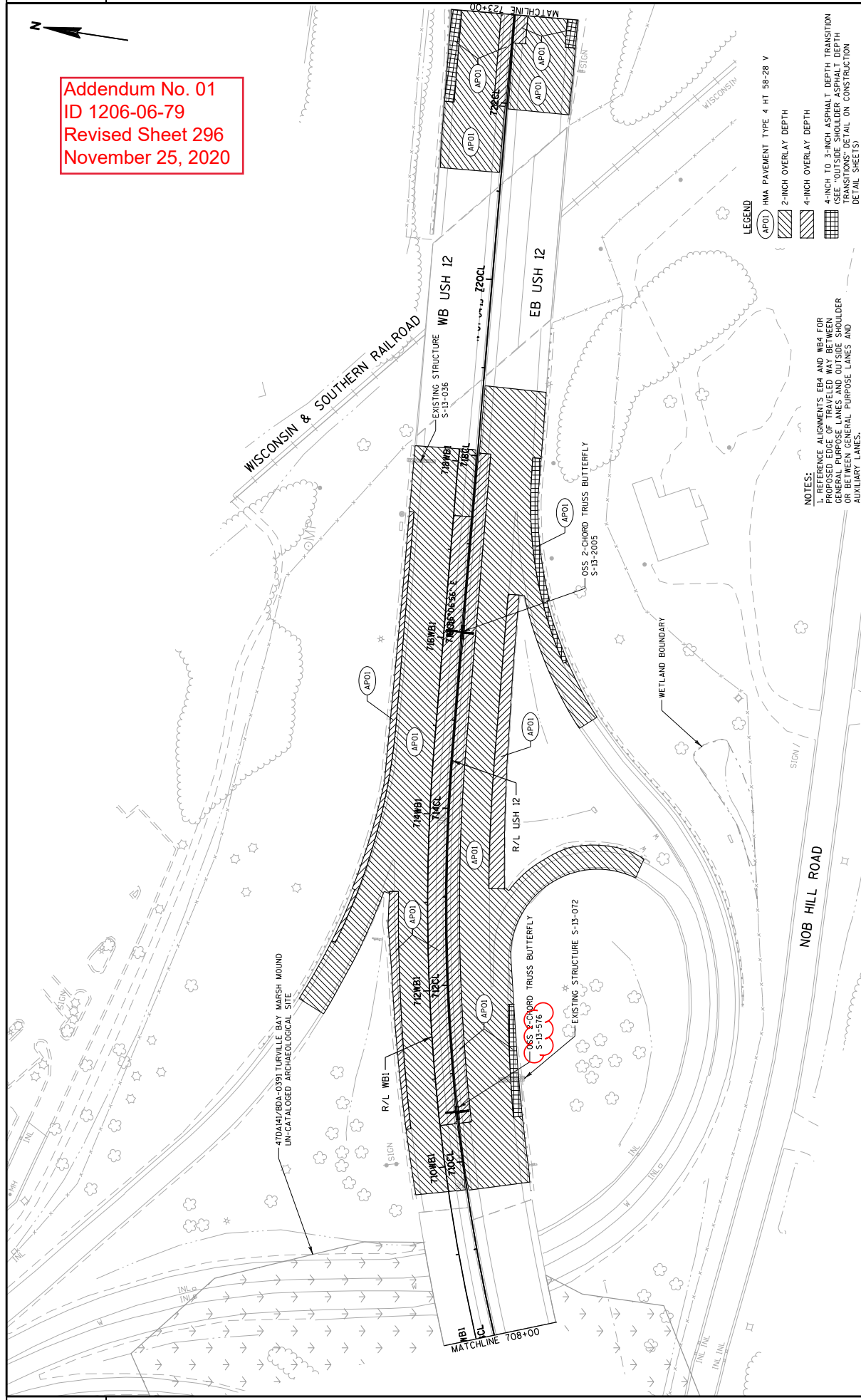
Addendum No. 01
 ID 1206-06-79
 Revised Sheet 294
 November 25, 2020



- LEGEND**
- AP01 HMA PAVEMENT TYPE 4 HT 58-28 V
 - [Hatched pattern] 2-INCH OVERLAY DEPTH
 - [Diagonal lines] 4-INCH OVERLAY DEPTH
 - [Grid pattern] 4-INCH TO 3-INCH ASPHALT DEPTH TRANSITION
 - [Cross-hatch pattern] SEE "OUTSIDE SHOULDER ASPHALT DEPTH TRANSITIONS" DETAIL ON CONSTRUCTION DETAIL SHEETS
- NOTES:**
1. REFERENCE ALIGNMENTS EB4 AND WB4 FOR PROPOSED EDGE OF TRAVELED WAY BETWEEN GENERAL PURPOSE LANES AND OUTSIDE SHOULDER. SEE "GENERAL PURPOSE LANES AND AUXILIARY LANES."

PROJECT NO: 1206-06-79	COUNTY: DANE	PLAN DETAILS - ASPHALT OVERLAY	SHEET 294
HWY: USH 12			
FILE NAME : J:\66034\1206-06-79_HSRV1\cads\021222.pd_csp01.r.dgn	PLOT DATE : 11/23/2020 10:46:15 AM	PLOT BY : ctomeck	PLOT SCALE : 100:1
WISDOT/CADS SHEET 42			E

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 296
 November 25, 2020



- LEGEND**
- (APOI) HMA PAVEMENT TYPE 4 HT 58-28 V
 - (APOI) 2-INCH OVERLAY DEPTH
 - (APOI) 4-INCH OVERLAY DEPTH
 - (APOI) 4-INCH TO 3-INCH ASPHALT DEPTH TRANSITION
 - (APOI) 4-INCH TO 3-INCH SHOULDER ASPHALT DEPTH TRANSITION
 - (APOI) 4-INCH TO 3-INCH SHOULDER ASPHALT DEPTH TRANSITION DETAIL ON CONSTRUCTION (DETAIL SHEETS)

NOTES:
 1. REFERENCE ALIGNMENTS EB4 AND WB4 FOR PROPOSED EDGE OF TRAVELED WAY BETWEEN GENERAL PURPOSE LANES AND OUTSIDE SHOULDER LINES. GENERAL PURPOSE LANES AND AUXILIARY LANES.

2	PROJECT NO: 1206-06-79	COUNTY: DANE	PLAN DETAILS - ASPHALT OVERLAY	SHEET 296
	HWY: USH 12			E
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PLOT DATE : 11/23/2020 10:49:27 AM PLOT BY : ctdmesc				
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Addendum No. 01
 ID 1206-06-79
 Revised Sheet 334
 November 25, 2020

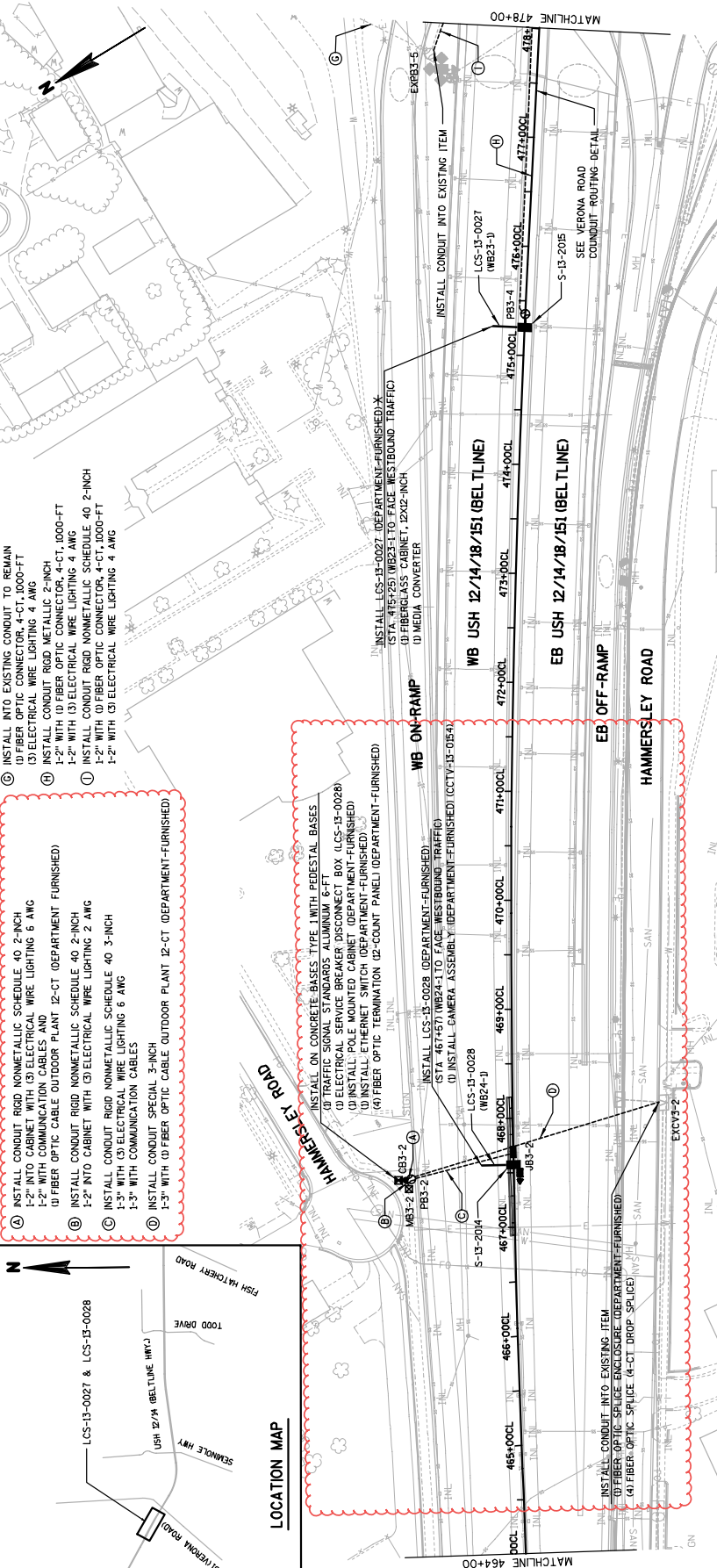
Location	Breaker Disconnect Box				DMS	Meter Brecker Pedestal		
	Main	Cabinet	LCS	LCS		Location	Main	Sub
CB1-1	100A	20A	20A	---	---	MB1-1	200A	100A
CB2-1	100A	20A	20A	---	---	MB2-1	200A	100A
CB2-2	100A	20A	---	---	50A	MB2-2	200A	100A
CB3-1	100A	20A	20A	---	---	MB3-1	200A	100A
CB3-2	100A	20A	20A	---	---	MB3-2	200A	100A
EXCB4-1	100A	20A	20A	20A	---	---	N/A	100A
CB4-2	100A	20A	20A	20A	---	MB4-2	200A	100A
CB4-3	100A	20A	20A	---	---	MB4-3	200A	100A
CB5-1	100A	20A	20A	---	---	EXMB5-1	N/A	100A
CB5-3	100A	20A	20A	---	---	EXCB5-2	N/A	100A
CB6-1	100A	20A	20A	20A	---	MB6-1	200A	100A
CB7-1	60A	20A	20A	20A	---	EXCB7-2	N/A	60A
CB8-1	100A	20A	20A	20A	---	MB8-1	200A	100A
CB9-2	60A	20A	20A	---	---	EXMB9-1	N/A	60A
CB9-3	40A	20A	20A	---	---	EXMB9-1	N/A	60A
CB10-1	100A	20A	20A	20A	---	MB10-1	200A	100A
CB11-1	100A	20A	20A	20A	50A	MB11-1	200A	100A
CB12-1	100A	20A	20A	20A	---	MB12-1	200A	100A
CB12-2	100A	20A	20A	20A	---	MB12-2	200A	100A
CB13-1	100A	20A	20A	---	50A	MB13-1	200A	100A
CB13-3	100A	20A	20A	---	---	MB13-1	200A	60A
CB13-2	100A	20A	20A	---	---	MB13-2	100A	---
CB14-1	100A	20A	20A	---	---	MB14-1	200A	100A
EXCB15-1	100A	20A	20A	20A	---	---	N/A	100A
CB16-1	100A	20A	20A	20A	---	EXMB16-1	N/A	100A
CB17-1	100A	20A	20A	20A	---	EXMB17-1	N/A	100A
CB18-1	100A	20A	20A	20A	---	MB18-1	200A	100A
CB18-2	100A	20A	---	---	50A	MB18-2	200A	100A
CB19-1	100A	20A	20A	20A	---	MB19-1	200A	100A
CB20-1	100A	20A	20A	20A	---	MB20-1	200A	100A
CB21-1	100A	20A	20A	20A	---	MB21-1	200A	100A
CB22-1	100A	20A	---	---	50A	MB22-1	200A	100A
CB22-2	100A	20A	20A	20A	---	MB22-2	200A	100A
CB23-1	100A	20A	20A	20A	---	MB23-1	200A	100A
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CB25-1	100A	20A	20A	20A	---	MB25-1	200A	100A
CB26-1	100A	20A	20A	20A	---	MB26-1	200A	100A
EXCB-DMS-13-0039	100A	20A	20A	20A	---	---	N/A	100A

ITS CONSTRUCTION DETAILS

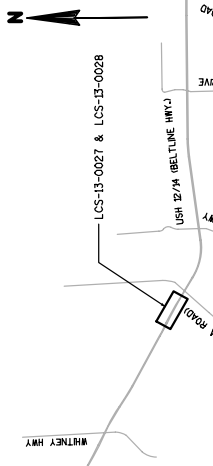
COUNTY: DANE

HWY: USH 12

PROJECT NO: 1206-06-79



- ④ INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH 1-2" INTO CABINET WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- ⑤ INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH 1-2" WITH COMMUNICATION CABLES AND (3) ELECTRICAL WIRE LIGHTING 6 AWG
- ⑥ INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH 1-2" INTO CABINET WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- ⑦ INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH 1-2" WITH COMMUNICATION CABLES
- ⑧ INSTALL CONDUIT SPECIAL 3-INCH 1-3" WITH (3) FIBER OPTIC CABLE OUTDOOR PLANT 12-CT (DEPARTMENT-FURNISHED)



- LEGEND**
- ☐ COMMUNICATIONS VAULT TYPE 1
 - ☐ PULL BOXES NON-CONDUCTIVE 24X42-INCH WITH PULL BOX MARKER
 - ☐ PULL BOXES NON-CONDUCTIVE 24X36-INCH WITH PULL BOX MARKER
 - ☐ JUNCTION BOXES 18X24X6-INCH
 - ☐ ELECTRICAL SERVICE METER BREAKER PEDESTAL
 - ☐ POLE-MOUNTED CABINET (AND POLE)
 - ☐ FIELD CABINET
 - ☐ MEDIAN-MOUNT SINGLE DYNAMIC MESSAGE SIGN (DMS)
 - ☐ MEDIAN-MOUNT DUAL BUTTERFLY DYNAMIC MESSAGE SIGN (DMS)
 - ☐ OVERHEAD-MOUNT DYNAMIC MESSAGE SIGN (DMS)
 - ☐ ITS CONDUIT RIGID NONMETALLIC SCHEDULE 40
 - ☐ CAMERA ASSEMBLY
 - ☐ MICROWAVE DETECTOR
 - ☐ MICROWAVE DETECTION ZONE
 - ☐ EXISTING WIRELESS DETECTION SENSOR (BLUETOOTH)
 - ☐ QUANTITY POINT (NON-PHYSICAL ITEM)
 - ☐ GRAYSHADE REPRESENTS EXISTING UNLESS OTHERWISE NOTED

- NOTES:**
- THE CONTRACTOR MAY CHOOSE TO USE THE EXISTING CONDUIT FOR NON-ROADWAY CROSSING SEGMENTS, BUT WILL BE PAID FOR UNDER STANDARD TRENCH BID ITEMS. CALLOUTS FOR COMMUNICATION CABLES FOR DMS, LCS, MICROWAVE DETECTORS, AND CAMERAS ARE FOR INFORMATION ONLY.
 - LCS SIZE 4'X3', UNLESS OTHERWISE NOTED.

- STANDARD ABBREVIATIONS**
- PB PULL BOXES
 - CV COMMUNICATION VAULT
 - CB CONTROL CABINET
 - JB JUNCTION BOX
 - MB METER BREAKER
 - QP QUANTITY POINT
 - MD MICROWAVE DETECTOR

- INSTALL ON CONCRETE BASES - TYPE 1 WITH PEDESTAL BASES**
- (1) FIBER OPTIC CABLES - ALUMINUM 6-FT
 - (2) ELECTRICAL SERVICE BREAKER DISCONNECT BOX (LCS-13-0028)
 - (3) INSTALL POLE MOUNTED CABINET (DEPARTMENT-FURNISHED)
 - (4) INSTALL ETHERNET SWITCH (DEPARTMENT-FURNISHED)
 - (5) FIBER OPTIC TERMINATION (2-COUNT PANEL) (DEPARTMENT-FURNISHED)

- INSTALL LCS-13-0028 (DEPARTMENT-FURNISHED)**
- (1) FIBER OPTIC SPRING ENCLOSURE (DEPARTMENT-FURNISHED)
 - (2) INSTALL CAMERA ASSEMBLY (DEPARTMENT-FURNISHED) (CCTV-13-0154)

- INSTALL CONDUIT INTO EXISTING ITEM**
- (1) FIBER OPTIC SPRING ENCLOSURE (DEPARTMENT-FURNISHED)
 - (2) FIBER OPTIC SPRICE (4-CT DROP SPLICE)

- INSTALL LCS-13-0027 (DEPARTMENT-FURNISHED) X**
- (1) FIBERGLASS CABINET, 22X12-INCH
 - (2) MEDIA CONVERTER

- INSTALL INTO EXISTING CONDUIT TO REMAIN**
- (1) FIBER OPTIC CONNECTOR, 4-CT, 1000-FT
 - (2) ELECTRICAL WIRE LIGHTING 4 AWG

- INSTALL RIGID METALLIC SCHEDULE 40, 2-INCH 1-2" WITH COMMUNICATION CABLES AND (3) ELECTRICAL WIRE LIGHTING 4 AWG**
- (1) FIBER OPTIC CONNECTOR, 4-CT, 1000-FT
 - (2) WITH (3) ELECTRICAL WIRE LIGHTING 4 AWG

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 344
 November 25, 2020



* W4-2L WILL BE DISPLAYED ON LCS-13-0027

PROJECT NO: 1206-06-79

HWY: USH 12

COUNTY: DANE

FTMS

PLOT BY: _username_

PLOT NAME:

PLOT DATE: 11/24/2020

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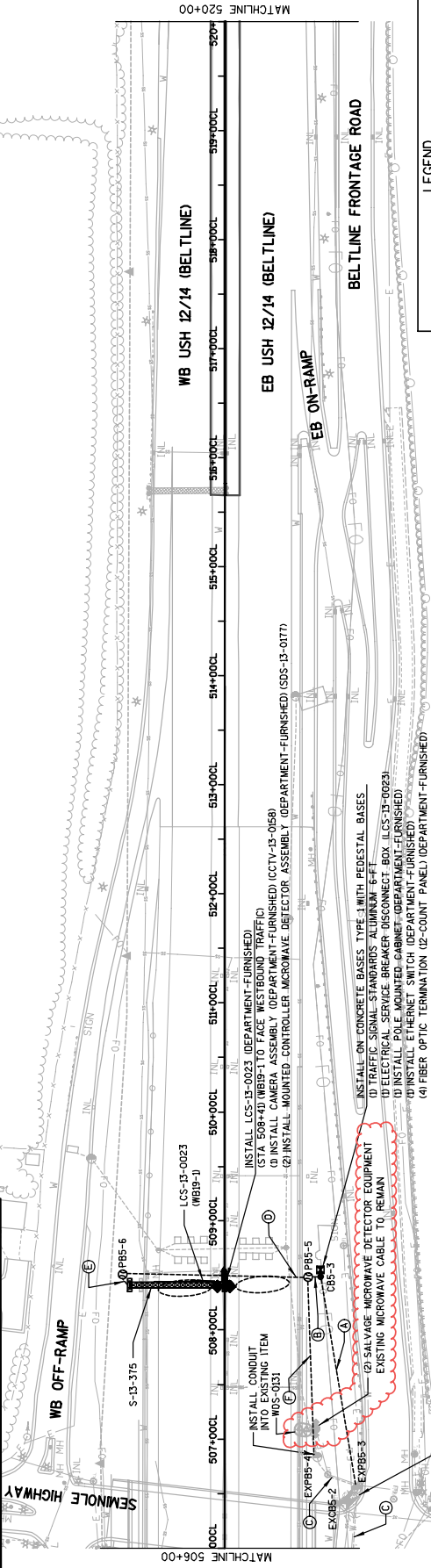
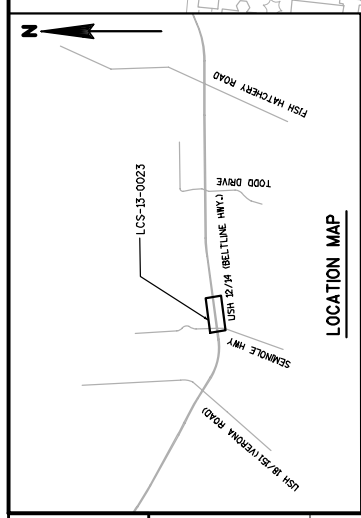
SHEET 344

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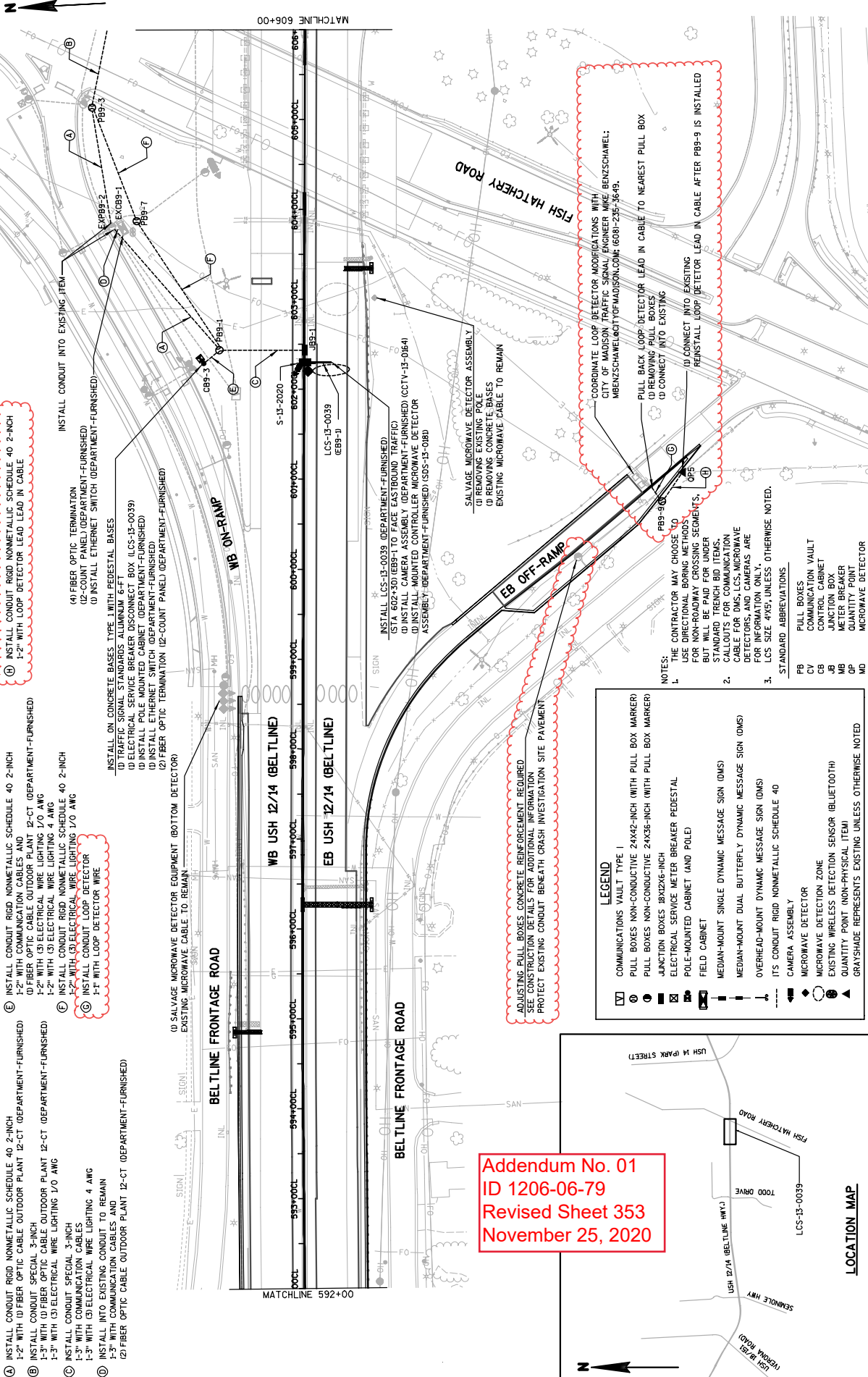
- Ⓐ INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 1'-2" WITH (3) ELECTRICAL WIRE LIGHTING 1/0 AWG
- Ⓑ INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 1'-2" WITH COMMUNICATION CABLES AND (1) FIBER OPTIC CABLE OUTDOOR PLANT 12-CT (DEPARTMENT-FURNISHED) AND 1'-2" WITH (3) ELECTRICAL WIRE LIGHTING 1 AWG
- Ⓒ INSTALL INTO EXISTING CONDUIT TO REMAIN (1) FIBER OPTIC CABLE OUTDOOR PLANT 12-CT (DEPARTMENT-FURNISHED)
- Ⓓ INSTALL CONDUIT SPECIAL 3-INCH 1'-3" WITH COMMUNICATION CABLES 1'-3" WITH (3) ELECTRICAL WIRE LIGHTING 1 AWG
- Ⓔ INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 1'-2" WITH (3) ELECTRICAL WIRE LIGHTING 1 AWG
- Ⓕ INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 1'-2" WITH (1) FIBER OPTIC CABLE OUTDOOR PLANT 12-CT (DEPARTMENT-FURNISHED)



- LEGEND**
- ☐ COMMUNICATIONS VAULT TYPE 1
 - ⊕ PULL BOXES NON-CONDUCTIVE 24X42-INCH (WITH PULL BOX MARKER)
 - ⊕ PULL BOXES NON-CONDUCTIVE 24X36-INCH (WITH PULL BOX MARKER)
 - ⊕ JUNCTION BOXES 18X24X6-INCH
 - ⊕ ELECTRICAL SERVICE METER BREAKER PEDESTAL
 - ⊕ POLE-MOUNTED CABINET (AND POLE)
 - ⊕ FIELD CABINET
 - ⊕ MEDIAN-MOUNT SINGLE DYNAMIC MESSAGE SIGN (DMS)
 - ⊕ MEDIAN-MOUNT DUAL BUTTERFLY DYNAMIC MESSAGE SIGN (DMS)
 - ⊕ OVERHEAD-MOUNT DYNAMIC MESSAGE SIGN (DMS)
 - ⊕ ITS CONDUIT RIGID NONMETALLIC SCHEDULE 40
 - ⊕ CAMERA ASSEMBLY
 - ⊕ MICROWAVE DETECTOR
 - ⊕ MICROWAVE DETECTION ZONE
 - ⊕ EXISTING WIRELESS DETECTION SENSOR (BLUETOOTH)
 - ⊕ QUANTITY POINT (NON-PHYSICAL ITEM)
 - ⊕ GRAYSHADE REPRESENTS EXISTING UNLESS OTHERWISE NOTED

- NOTES:**
- THE CONTRACTOR MAY CHOOSE TO USE DIRECTIONAL BORING METHODS FOR NON-ROADWAY CROSSING SEGMENTS, BUT WILL BE PAID FOR UNDER STANDARD TRENCH BID ITEMS. CALLOUTS FOR COMMUNICATION DEVICES, DMS, AND MICROWAVE DETECTORS, AND LIGHTING ARE FOR INFORMATION ONLY.
 - LCS SIZE 4X5? UNLESS OTHERWISE NOTED.
 - STANDARD ABBREVIATIONS:
 - PB PULL BOXES
 - CV COMMUNICATION VAULT
 - CB CONTROL CABINET
 - JB JUNCTION BOX
 - MS METER BREAKER
 - MS MOUNTED SIGNAL
 - MD MICROWAVE DETECTOR

Addendum No. 01
ID 1206-06-79
Revised Sheet 347
November 25, 2020



(A) INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 1-2" WITH LOOP DETECTOR LEAD IN CABLE

(E) INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 1-2" WITH COMMUNICATION CABLES AND (1) FIBER OPTIC CABLE OUTDOOR PLANT 12-CT (DEPARTMENT-FURNISHED)

(A) INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 1-2" WITH (1) FIBER OPTIC CABLE OUTDOOR PLANT 12-CT (DEPARTMENT-FURNISHED)

(1) FIBER OPTIC TERMINATION (2) CONDUIT PANEL (DEPARTMENT-FURNISHED) (3) INSTALL ETHERNET SWITCH (DEPARTMENT-FURNISHED)

(1) FIBER OPTIC TERMINATION (2) CONDUIT PANEL (DEPARTMENT-FURNISHED) (3) INSTALL ETHERNET SWITCH (DEPARTMENT-FURNISHED)

(1) FIBER OPTIC TERMINATION (2) CONDUIT PANEL (DEPARTMENT-FURNISHED) (3) INSTALL ETHERNET SWITCH (DEPARTMENT-FURNISHED)

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(1) FIBER OPTIC TERMINATION (2) CONDUIT PANEL (DEPARTMENT-FURNISHED) (3) INSTALL ETHERNET SWITCH (DEPARTMENT-FURNISHED)

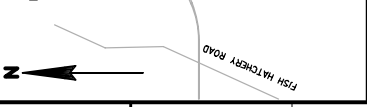
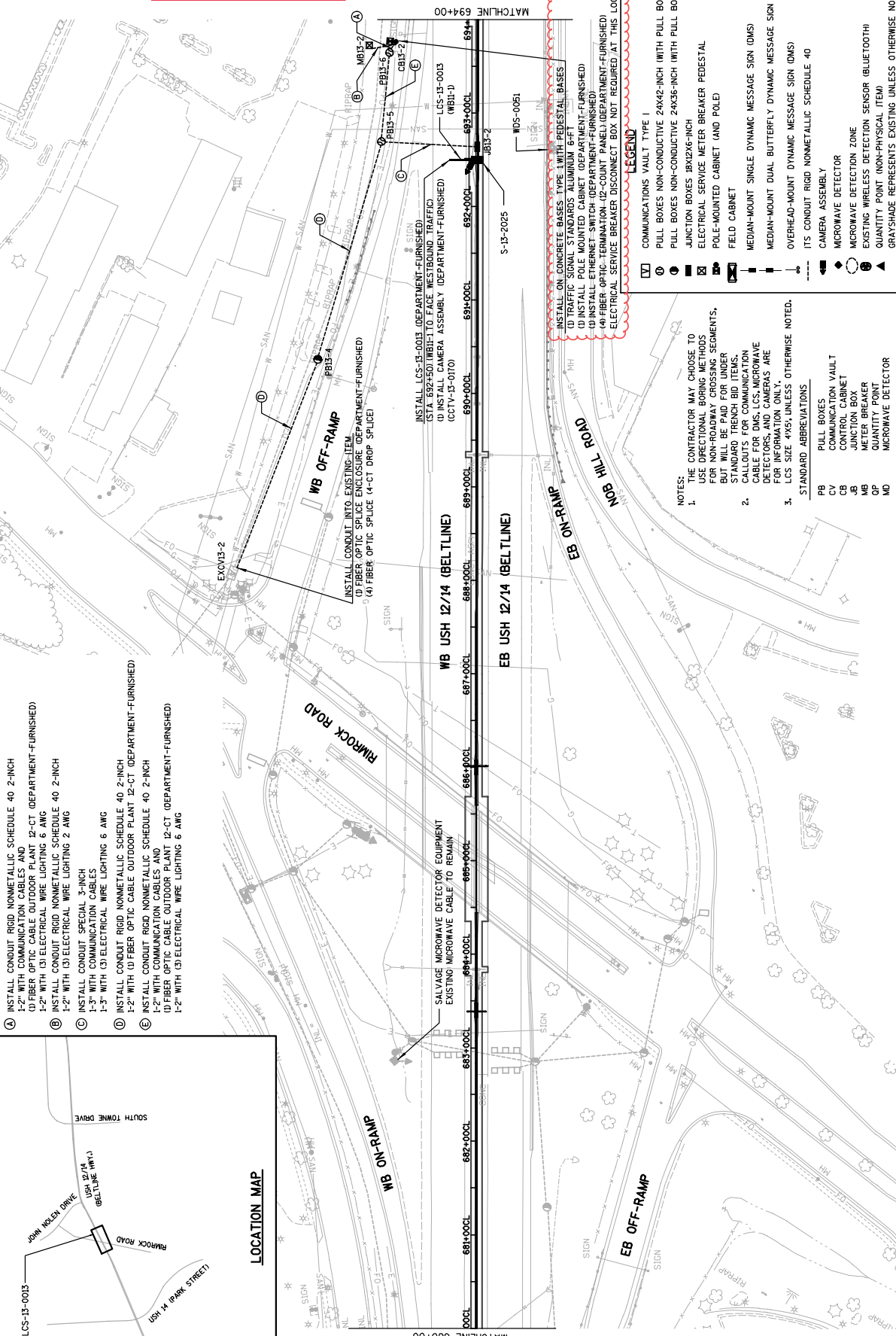
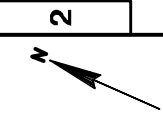
Addendum No. 01
ID 1206-06-79
Revised Sheet 353
November 25, 2020

LEGEND

- [Symbol] COMMUNICATIONS VAULT TYPE 1
- [Symbol] PULL BOXES NON-CONDUCTIVE 24X42-INCH (WITH PULL BOX MARKER)
- [Symbol] PULL BOXES NON-CONDUCTIVE 24X36-INCH (WITH PULL BOX MARKER)
- [Symbol] JUNCTION BOXES 18X24X6-INCH
- [Symbol] ELECTRICAL SERVICE METER BREAKER PEDESTAL
- [Symbol] POLE-MOUNTED CABINET (AND POLE)
- [Symbol] FIELD CABINET
- [Symbol] MEDIAN-MOUNT SINGLE DYNAMIC MESSAGE SIGN (DMS)
- [Symbol] MEDIAN-MOUNT DUAL BUTTERFLY DYNAMIC MESSAGE SIGN (DMS)
- [Symbol] OVERHEAD-MOUNT DYNAMIC MESSAGE SIGN (DMS)
- [Symbol] ITS CONDUIT RIGID NONMETALLIC SCHEDULE 40
- [Symbol] CAMERA ASSEMBLY
- [Symbol] MICROWAVE DETECTOR
- [Symbol] MICROWAVE DETECTION ZONE
- [Symbol] EXISTING WIRELESS DETECTION SENSOR (BLUETOOTH)
- [Symbol] QUANTITY POINT (NON-PHYSICAL ITEM)
- [Symbol] GRAYSHADE REPRESENTS EXISTING UNLESS OTHERWISE NOTED



Addendum No. 01
ID 1206-06-79
Revised Sheet 359
November 25, 2020



- (A) INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 1-2" WITH COMMUNICATION CABLES AND 1-2" FIBER OPTIC CABLE OUTDOOR PLANT 12-CT (DEPARTMENT-FURNISHED)
- (B) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (C) INSTALL CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (D) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (E) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (F) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (G) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (H) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (I) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (J) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (K) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (L) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (M) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (N) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (O) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (P) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (Q) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (R) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (S) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (T) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (U) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (V) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (W) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (X) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG
- (Y) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 2 AWG
- (Z) 1-2" WITH (3) ELECTRICAL WIRE LIGHTING 6 AWG

- (1) TRAFFIC SIGNAL STANDARDS ALUMINUM 6FT
- (2) PULL BOXES NON-CONDUCTIVE 24X42-INCH (WITH PULL BOX MARKER)
- (3) ELECTRICAL SERVICE METER BREAKER PEDESTAL
- (4) FIBER-OPTIC TERMINATION 12-COUNT PANEL (DEPARTMENT-FURNISHED)
- (5) FIBER-OPTIC TERMINATION 12-COUNT PANEL (DEPARTMENT-FURNISHED)
- (6) FIBER-OPTIC TERMINATION 12-COUNT PANEL (DEPARTMENT-FURNISHED)
- (7) FIBER-OPTIC TERMINATION 12-COUNT PANEL (DEPARTMENT-FURNISHED)
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- (12) FIBER-OPTIC TERMINATION 12-COUNT PANEL (DEPARTMENT-FURNISHED)
- (13) FIBER-OPTIC TERMINATION 12-COUNT PANEL (DEPARTMENT-FURNISHED)
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- (96) FIBER-OPTIC TERMINATION 12-COUNT PANEL (DEPARTMENT-FURNISHED)
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- (98) FIBER-OPTIC TERMINATION 12-COUNT PANEL (DEPARTMENT-FURNISHED)
- (99) FIBER-OPTIC TERMINATION 12-COUNT PANEL (DEPARTMENT-FURNISHED)
- (100) FIBER-OPTIC TERMINATION 12-COUNT PANEL (DEPARTMENT-FURNISHED)

- LEGEND**
- COMMUNICATIONS VAULT TYPE I
 - PULL BOXES NON-CONDUCTIVE 24X42-INCH (WITH PULL BOX MARKER)
 - PULL BOXES NON-CONDUCTIVE 24X36-INCH (WITH PULL BOX MARKER)
 - ELECTRICAL SERVICE METER BREAKER PEDESTAL
 - FIELD MOUNTED CABINET (AND POLE)
 - PEDESTAL MOUNTED CABINET (AND POLE)
 - MEDIAN-MOUNT SINGLE DYNAMIC MESSAGE SIGN (DMS)
 - MEDIAN-MOUNT DUAL BUTTERFLY DYNAMIC MESSAGE SIGN (DMS)
 - OVERHEAD-MOUNT DYNAMIC MESSAGE SIGN (DMS)
 - ITS CONDUIT RIGID NONMETALLIC SCHEDULE 40
 - CAMERA ASSEMBLY
 - MICROWAVE DETECTOR
 - MICROWAVE DETECTION ZONE
 - EXISTING WIRELESS DETECTION SENSOR (BLUETOOTH)
 - QUANTITY POINT (NON-PHYSICAL ITEM)
 - GRAYSHADE REPRESENTS EXISTING UNLESS OTHERWISE NOTED

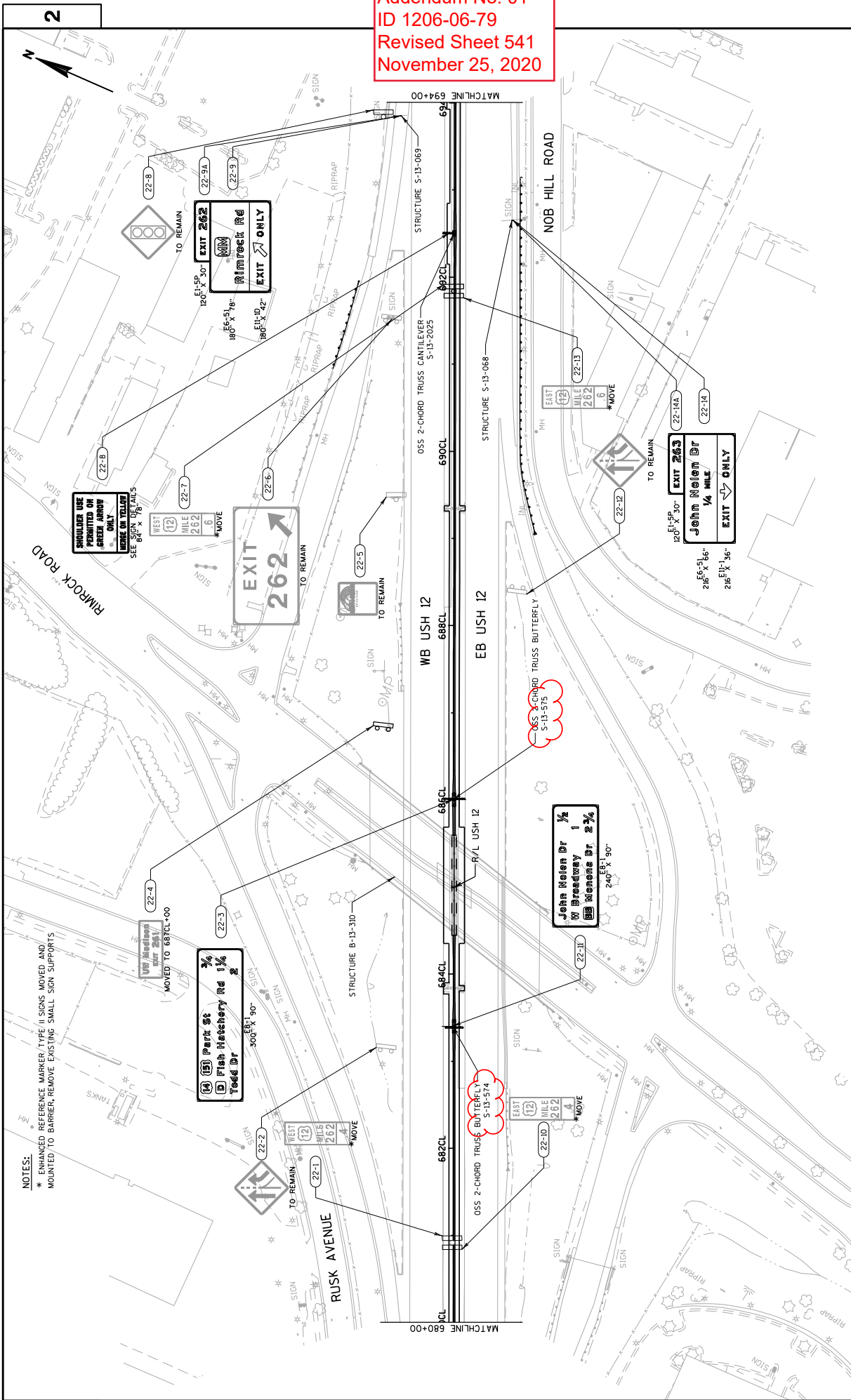
- NOTES:**
- THE CONTRACTOR MAY CHOOSE TO USE DIRECTIONAL DRILLING METHODS FOR ALL TRENCH SEGMENTS, BUT WILL BE PAID FOR UNDER STANDARD TRENCH BID ITEMS.
 - CALLOUTS FOR COMMUNICATION CABLE FOR DMS, LCS, MICROWAVE DETECTORS, AND CAMERAS ARE FOR INFORMATION ONLY.
 - LCS SIZE 4X35, UNLESS OTHERWISE NOTED.
- STANDARD ABBREVIATIONS**
- PB PULL BOXES
 - CV COMMUNICATION VAULT
 - CB CONTROL CABINET
 - JB JUNCTION BOX
 - MB METER BREAKER
 - QP QUANTITY POINT
 - MD MICROWAVE DETECTOR

PROJECT NO: 1206-06-79 COUNTY: DANE FTMS SHEET 359

HWY: USH 12 PLOT DATE: 11/24/2020 PLOT BY: _user.name_ PLOT NAME: PLOT SCALE: 1"=400'

FILE NAME: S:\MWD\4500--4598\4561\001\Drawings\CADD\Plan\02\429_7m.dgn

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 541
 November 25, 2020

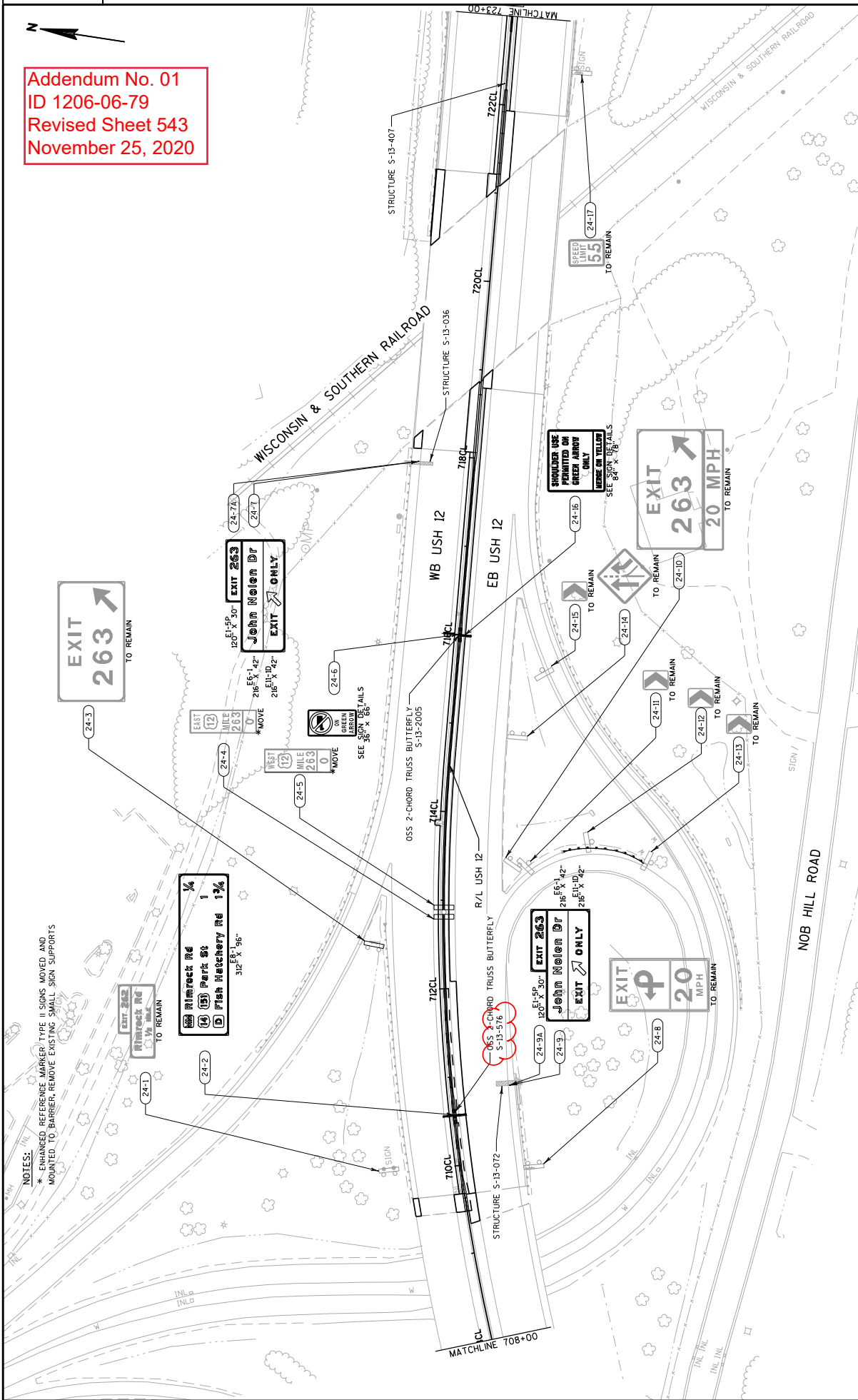


NOTES:

- * ENHANCED REFERENCE MARKER TYPE II SIGNS MOVED AND MOUNTED TO BARRIER, REMOVE EXISTING SMALL SIGN SUPPORTS

PROJECT NO: 1206-06-79	COUNTY: DANE	PERMANENT SIGNING	SHEET 541
HWY: USH 12	PLOT NAME :		E
PLOT DATE : 11/23/2020 11:03:06 AM		PLOT BY : ctomeck	WISDOT/CADD SHEET 42
PLOT SCALE : 100:1			

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 543
 November 25, 2020



NOTES:
 * ENHANCED REFERENCE MARKER TYPE II SIGNS MOVED AND MOUNTED TO BARRIER, REMOVE EXISTING SMALL SIGN SUPPORTS

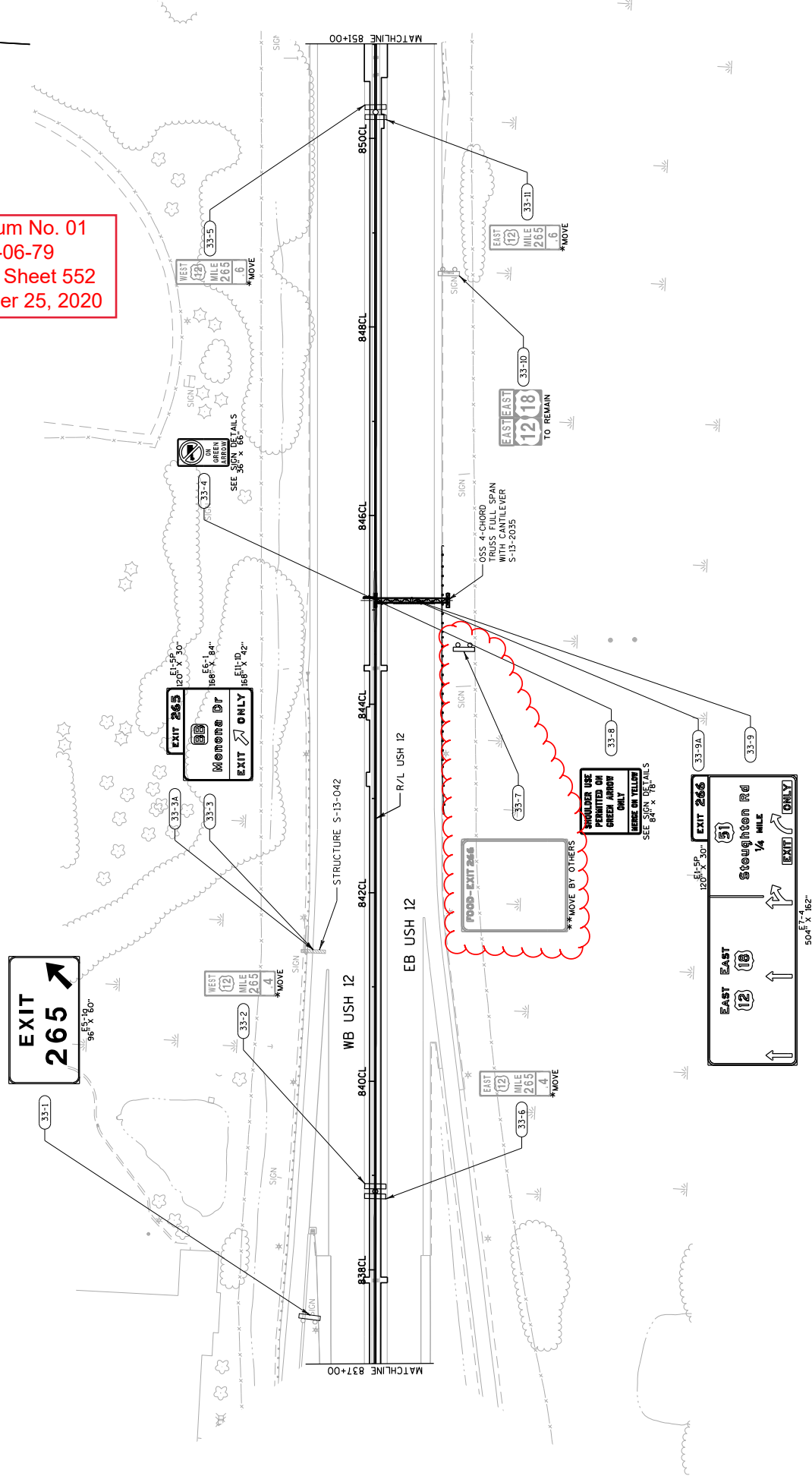
NOTES:

* ENHANCED REFERENCE MARKER TYPE II SIGNS MOVED AND MOUNTED TO BARRIER, REMOVE EXISTING SMALL SIGN SUPPORTS

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 552
 November 25, 2020

2

2



PROJECT NO: 1206-06-79

HWY: USH 12

COUNTY: DANE

PERMANENT SIGNING

SHEET 552

E

FILE NAME : J:\66034\1206-06-79_HSRV1\CADD\022333.ps-dgn

PLOT DATE : 11/19/2020 2:38:24 PM

PLOT BY : ctoresck

PLOT NAME :

PLOT SCALE : 100:1

WISDOT/CADD SHEET 42

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 705
 November 25, 2020

3

REMOVING PAVEMENT

CATEGORY	ROADWAY	DIRECTION	SEGMENT	204.0100		204.0105		204.0109.S		204.0115		204.0120		205.0100		690.0150		690.0250		COMMENTS	
				REMOVING PAVEMENT	REMOVING PAVEMENT BUTT JOINTS	REMOVING PAVEMENT BUTT JOINTS	REMOVING CONCRETE SURFACE PARTIAL DEPTH	REMOVING ASPHALTIC SURFACE	REMOVING ASPHALTIC SURFACE BUTT JOINTS	REMOVING ASPHALTIC SURFACE MILLING	EXCAVATION COMMON	EXCAVATION COMMON	SAWING ASPHALT CONCRETE	SAWING ASPHALT CONCRETE							
STAGE 1A																					
0010	USH 12	EB	WHITNEY WAY TO SEMINOLE HIGHWAY	155	--	--	--	--	--	--	--	--	--	46	--	--	725	EXCAVATION COMMON NEEDED AT RETAINING BARRIER REMOVAL.			
		WB		211	--	--	--	--	--	--	--	--	--	--	--	--	608				
0010	USH 12	EB	TODD DRIVE TO FISH HATCHERY ROAD	--	--	--	--	--	--	--	--	--	47	--	498	2,265					
		WB		134	--	--	--	--	--	--	--	--	--	--	--	1,521	241				
0010	USH 12	WB	OUTSIDE SHOULDER APPROACH SLABS	222	--	--	--	--	--	--	--	--	--	--	--	--	369				
0010	USH 12	EB	TODD DRIVE EB ENTRANCE BRAID RAMP	483	--	--	--	--	--	--	--	--	--	--	416	--	--				
		WB	TODD DRIVE WB EXIT BRAID RAMP	1,957	--	--	--	--	--	--	--	--	88	--	325	--	--				
		EB	FISH HATCHERY EB TO SB EXIT RAMP CRASH INVESTIGATION SITE	2,748	--	--	--	--	--	--	--	--	--	--	--	--	112				
STAGE 1A SUBTOTAL				5,910	--	--	--	--	--	--	--	--	181	1,239	5,841						
STAGE 1C																					
	USH 12	EB	FISH HATCHERY EB ENTRANCE RAMP	1,285	--	--	--	--	--	--	--	--	--	518	--	--	2,607	DOUBLE SAWCUTS ANTICIPATED ON LEFT AND RIGHT SIDE.			
STAGE 1C SUBTOTAL				1,285	--	--	--	--	--	--	--	--	518	--	--	2,607					
STAGE 2																					
0010	USH 12	EB	WHITNEY WAY TO SEMINOLE HIGHWAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
		WB		679	--	--	--	--	842	1,486	4,675										
0010	USH 12	WB	SEMINOLE HIGHWAY TO TODD DRIVE	692	--	--	--	--	842	1,518	4,684										
0010	USH 12	EB	TODD DRIVE TO FISH HATCHERY ROAD	661	--	--	--	--	864	1,513	4,557										
		WB		500	--	--	--	--	1,022	1,458	4,580										
0010	USH 12	EB	FISH HATCHERY ROAD TO PARK STREET	1,431	--	--	--	--	--	748	3,167										
		WB		1,435	--	--	--	--	--	--	3,266										
0010	USH 12	EB	PARK STREET TO RAILROAD	593	--	--	--	--	--	131	1,227										
		WB		596	--	--	--	--	--	131	1,236										
0010	USH 12	EB	RAILROAD TO RIMROCK ROAD	1,417	--	--	--	--	--	326	3,032										
		WB		1,357	--	--	--	--	--	326	2,963										
0010	USH 12	EB	RIMROCK ROAD TO JOHN NOLEN DRIVE	1,156	--	--	--	--	--	248	2,295										
		WB		1,098	--	--	--	--	--	248	2,355										
0010	USH 12	EB	JOHN NOLEN DRIVE TO RAILROAD	716	--	--	--	--	--	106	1,003										
		WB		582	--	--	--	--	--	106	980										
0010	USH 12	EB	RAILROAD TO SOUTH TOWNE DRIVE	1,837	--	--	--	--	--	--	3,142										
		WB		1,715	--	--	--	--	--	--	3,139										
0010	USH 12	EB	SOUTH TOWNE DRIVE TO TEST OVERLAY	1,425	--	--	--	--	--	--	2,339										
		WB		1,209	--	--	--	--	--	--	2,386										
0010	USH 12	EB	TEST OVERLAY TO YAHARA RIVER BRIDGE	1,234	--	--	--	--	150	--	2,201										
		WB		1,233	--	--	--	--	10	--	2,186										
0010	USH 12	EB	YAHARA RIVER BRIDGE TO MONONA DRIVE	735	--	--	--	--	61	--	898										
		WB		645	--	--	--	--	61	--	894										
0010	USH 12	EB	MONONA DRIVE TO STOUGHTON ROAD	2,563	--	--	--	--	--	--	4,571										
		WB		2,596	--	--	--	--	--	--	4,558										
0010	USH 12	EB	STOUGHTON ROAD TO H-39	1,660	--	--	--	--	--	--	2,952										
		WB		1,354	--	--	--	--	--	--	3,099										
STAGE 2 SUBTOTAL				31,119	--	--	--	--	3,652	8,345	72,387										

3

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 706
 November 25, 2020

REMOVING PAVEMENT (CONT.)

CATEGORY	ROADWAY	DIRECTION	SEGMENT	204.0100		204.0105		204.0115		204.0120		205.0100		690.0150		690.0250		COMMENTS
				REMOVING CONCRETE PAVEMENT	REMOVING PAVEMENT	REMOVING CONCRETE SURFACE	REMOVING ASPHALTIC SURFACE BUTT JOINTS	REMOVING ASPHALTIC SURFACE MILLING*	EXCAVATION COMMON	SAWING ASPHALT	SAWING CONCRETE							
				SY	SY	SF	SY	SY	SY	SY	CY	LF	LF	LF	LF	LF		
0010	USH12	WB	WHITNEY WAY TO SEMINOLE HIGHWAY	--	--	3,832	--	--	--	--	--	--	--	--	--	--	--	
						46,811												
0010	USH12	WB	SEMINOLE HIGHWAY TO TODD DRIVE	--	--	--	1,244	6,701	--	--	--	--	--	--	--	--	--	
						--	1,367	1,113										
0010	USH12	WB	TODD DRIVE TO FISH HATCHERY ROAD	--	190	--	633	1,741	--	--	--	--	--	--	--	--	--	
						--	1,693	958										
0010	USH12	WB	FISH HATCHERY ROAD TO PARK STREET	--	1,537	323	--	2,794	--	--	--	--	--	--	--	--	--	
						--	1,662	113										
0010	USH12	WB	PARK STREET TO RAILROAD	--	2,007	--	--	866	--	--	--	--	--	--	--	--	--	
						--	2,177	444										
0010	USH12	WB	RAILROAD TO RIMROCK ROAD	--	1,115	160	--	2,997	--	--	--	--	--	--	--	--	--	
						--	1,020	111										
0010	USH12	WB	RIMROCK ROAD TO JOHN NOLEN DRIVE	--	826	109	--	2,096	--	--	--	--	--	--	--	--	--	
						--	1,364	211										
0010	USH12	WB	JOHN NOLEN DRIVE TO RAILROAD	--	1,969	243	--	727	--	--	--	--	--	--	--	--	--	
						--	1,703	600										
0010	USH12	WB	RAILROAD TO SOUTH TOWNE DRIVE	--	1,139	630	--	2,678	--	--	--	--	--	--	--	--	--	
						--	1,066	561										
0010	USH12	WB	SOUTH TOWNE DRIVE TO TEST OVERLAY	--	242	224	--	2,274	--	--	--	--	--	--	--	--	--	
						--	202	225										
0010	USH12	WB	TEST OVERLAY TO YAHARA RIVER BRIDGE	--	484	--	--	11,168	--	--	--	--	--	--	--	--	--	
						--	603	1,969										
0010	USH12	WB	YAHARA RIVER BRIDGE TO MONONA DRIVE	--	1,470	186	--	427	--	--	--	--	--	--	--	--	--	
						--	1,524	317										
0010	USH12	WB	MONONA DRIVE TO STOUGHTON ROAD	--	1,936	--	--	4,214	--	--	--	--	--	--	--	--	--	
						--	1,852	113										
0010	USH12	WB	STOUGHTON ROAD TO IH-39	--	1,789	--	--	5,520	--	--	--	--	--	--	--	--	--	
						--	1,730	5,696										
STAGE 3 SUBTOTAL				--	29,607	64,402	--	4,937	73,272	--	--	--	--	--	--	--	--	
UNDISTRIBUTED				1,916	1,480	2,720	247	3,856	452	62	4,042							
PROJECT 1206-06-79 TOTALS				40,230	31,087	57,122	5,784	80,980	9,496	1,301	84,877							

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 1206-06-79

HWY: USH 12

COUNTY: DANE

MISCELLANEOUS QUANTITIES

SHEET: 706

FILE NAME: \\MAD\WORKING\PROJ\866541\1206\03201_1.mxd

PLOT DATE: 11/24/2020 11:44:38 AM

PLOT BY: HNTB Corp

PLOT NAME: 03201_1.mxd

PLOT SCALE: 1:1

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 714
 November 25, 2020

Category	Division	From/To Station	Location	Excavation Common (CY)* (1) 205.0100		Fill (CY)	Mass Ordinate +/- (5)	Comment:
				Cut (CY) (2)	EBS (CY) (3)			
0010	1	515CL+76 - 909CL+26	CL (MEDIAN)	11,243	0	0	11,243	
		581CL+07 - 603CL+41	CL (EB OUTSIDE)/A	3,544	945	42	4,447	
		824CL+50 - 830CL+50	CL (EB OUTSIDE)/B	103	0	50	52	
		584CL+00 - 598CL+58	CL (WB OUTSIDE)	1,709	0	30	1,679	
		17TDSW+50 - 21TDSW+00	TDSW	643	0	0	643	
		11FHSW+00 - 16FHSW+26	FHSW	1,515	0	93	1,422	
		481TDNE+96 - 489TDNE+50	TDNE	1,511	0	20	1,491	
		579TDNF+80 - 582TDNF+30	TDNF	493	0	4	489	
		600TDNG+50 - 601TDNG+80	TDNG	190	0	1	189	
		783TDNH+36 - 784TDNH+36	TDNH	124	0	0	124	
		100TDSE+63 - 102TDSE+64	TDSE	223	0	0	223	
		201TDSF+33 - 202TDSF+51	TDSF	197	0	0	197	
Project 1206-06-79 - Division 1 Subtotal				21,494	945	240	22,199	
Project 1206-06-79 - Division 1 Total				22,439		240		
Project 1206-06-79 Totals				22,439		240	22,199	

- Excavation Common = Cut + EBS Excavation. Item number 205.0100.
 - Cut volume includes concrete and asphaltic surface material.
 - EBS Excavation to be backfilled with Select Crushed Material unless otherwise noted in plans.
 - The Mass Ordinate is calculated by division. A positive quantity indicates an excess of material within the Division and a negative quantity indicates a shortage of material within the Division. Structure Excavation is not included in this calculation.
 - Volume of fill shall be completed with excavated material, as approved by the Engineer, and shall be incidental to the cost of the excavation common.
- Mass Ordinate = Cut - Fill. The Mass Ordinate is for information purposes only as Common Excavation and Fill 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.

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

BACKFILL STRUCTURE TYPE B

210.2500
BACKFILL STRUCTURE

CATEGORY	ROADWAY	STATION	FROM	TO	OFFSET	TYPE B	TON	
0010	USH12	489CL+39	-	480CL+64	RT	90	826	
		706CL+00	-	715CL+00	RT/LT	916		
PROJECT 1206-06-79 SUBTOTAL							916	
UNDISTRIBUTED							92	
PROJECT 1206-06-79 TOTALS							1,008	

**PREPARE FOUNDATION FOR ASPHALTIC PAVING
(PROJECT 1206-06-79)**

211.0100
PREPARE FOUNDATION
FOR
ASPHALTIC PAVING

CATEGORY	ROADWAY	LS
0010	USH 12	1
PROJECT 1206-06-79 TOTAL		1

**PREPARE FOUNDATION FOR CONCRETE PAVEMENT
(PROJECT 1206-06-79)**

211.0200
PREPARE FOUNDATION
FOR
CONCRETE PAVEMENT

CATEGORY	ROADWAY	LS
0010	USH 12	1
PROJECT 1206-06-79 TOTAL		1

**PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS
(PROJECT 1206-06-79)**

211.0400
PREPARE FOUNDATION
FOR
ASPHALTIC SHOULDERS

CATEGORY	ROADWAY	STA
0010	USH 12 EB	22
	USH 12 WB	15
PROJECT 1206-06-79 TOTAL		37

**PREPARE FOUNDATION FOR CONCRETE BASE
(PROJECT 1206-06-79)**

211.0300
PREPARE FOUNDATION
FOR
CONCRETE BASE

CATEGORY	ROADWAY	LS
0010	USH 12	1
PROJECT 1206-06-79 TOTAL		1

**FINISHING ROADWAY
(PROJECT 1206-06-79)**

213.0100
FINISHING
ROADWAY

CATEGORY	ROADWAY	EACH
0010	USH 12	1
PROJECT 1206-06-79 TOTAL		1

Addendum No. 01
ID 1206-06-79
Revised Sheet 715
November 25, 2020

PROJECT NO: 1206-06-79

HWY: USH 12

COUNTY: DANE

MISCELLANEOUS QUANTITIES

SHEET: 715

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Addendum No. 01
 ID 1206-06-79
 Revised Sheet 727
 November 25, 2020

CONCRETE BARRIER TEMPORARY PRECAST ITEMS

CATEGORY	ROADWAY	DIRECTION	DELIVERED		INSTALLED		THREE BEAM TRANSITION		GAWK SCREEN		FURNISHED		INSTALLLED		COMMENTS
			LF	LF	LF	LF	LF	LF	LF	LF	LF	LF			
STAGE 1A															
0010	USH 12	EB	6,314	6,314	2,742	2,742	100	100	2,742	2,742	2,742	2,742	2,742	2,742	
			5,235	5,235	2,169	2,169	113	113	2,169	2,169	2,169	2,169	2,169	2,169	
STAGE 1A SUBTOTAL			11,550	11,550	4,912	4,912	213	213	4,912	4,912	4,912	4,912	4,912	4,912	
STAGE 2															
0010	USH 12	EB	35,837	35,837	35,837	35,837	-	-	-	-	-	-	-	-	
			35,736	35,736	71,573	71,573	-	-	-	-	-	-	-	-	
STAGE 2 SUBTOTAL			71,573	71,573	5,000	5,000	-	-	-	-	-	-	-	-	
UNDISTRIBUTED															
			-	-	-	-	-	-	-	-	-	-	-	-	

CONCRETE BARRIER

CATEGORY	ROADWAY	SEGMENT	STATION FROM	STATION TO	OFFSET	CONCRETE BARRIER SINGLE-FACED 32-INCH		CONCRETE BARRIER TYPE S42		CONCRETE BARRIER TYPE S42A		CONCRETE BARRIER TYPE S42C		CONCRETE BARRIER TYPE S42 TO S56	
						LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
STAGE 1A															
0010	USH 12	WHITNEY WAY TO SEMINOLE HIGHWAY	411CL+30	512CL+86	RT/LT	-	-	50	50	20	20	20	20	20	8
			528CL+90	530CL+55	RT	155	155	485	485	-	-	-	-	-	-
			562CL+00	604CL+00	RT	-	-	658	658	-	-	-	-	-	-
			562CL+00	604CL+00	LT	-	-	31	31	-	-	-	-	-	-
			606CL+00	640CL+00	LT	-	-	1,234	1,234	40	40	40	40	40	8
STAGE 1A SUBTOTAL			-	-	-	155	155	1,234	1,234	20	20	20	20	20	8
STAGE 2															
0010	USH 12	SEMINOLE HIGHWAY TO TODD DRIVE	512CL+86	561CL+04	RT/LT	-	-	-	-	-	-	-	-	-	-
			563CL+29	608CL+97	RT/LT	-	-	-	-	-	-	-	-	-	-
			608CL+97	639CL+08	RT/LT	-	-	-	-	-	-	-	-	-	-
			641CL+16	652CL+45	RT/LT	-	-	-	-	-	-	-	-	-	-
			653CL+67	686CL+97	RT/LT	-	-	-	-	-	-	-	-	-	-
			686CL+97	707CL+83	RT/LT	-	-	-	-	-	-	-	-	-	-
			709CL+66	718CL+78	RT/LT	-	-	-	-	-	-	-	-	-	-
			721CL+21	752CL+00	RT/LT	-	-	-	-	-	-	-	-	-	-
			752CL+00	795CL+15	RT/LT	-	-	-	-	-	-	-	-	-	-
			822CL+59	830CL+99	RT/LT	-	-	-	-	-	-	-	-	-	-
			832CL+76	877CL+01	RT/LT	-	-	-	-	-	-	-	-	-	-
			879CL+27	938CL+17	RT/LT	-	-	-	-	-	-	-	-	-	-
STAGE 2 SUBTOTAL			-	-	-	-	-	-	-	-	-	-	-	-	-
STAGE 3															
0010	USH 12	OUTSIDE SHOULDER INLET ADJUSTMENTS	-	-	-	180	180	50	50	-	-	-	-	-	-
STAGE 3 SUBTOTAL			-	-	-	180	180	50	50	-	-	-	-	-	-
PROJECT 1206-06-79 SUBTOTAL			-	-	-	335	335	1,284	1,284	20	20	20	20	20	8

PROJECT NO: 1206-06-79	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET: 727
HWY: USH 12		PLOT NAME: 030201_mq23	
FILE NAME: I:\MAD\0\0\INGR\PROJ\030201\12060679\12060679.mq23		PLOT SCALE: 1:1	

PERMANENT SIGNING SUMMARY (CONT.)

CATEGORY	NUMBER	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W X H) IN	REMARKS
0010	20-4	651CL+50	MEDIAN	D10-5	NO TRUCKS ON GREEN ARROW (OVERHEAD)	36	S-13-2034 SIGN MOUNTED ON BARRIER WALL
	20-5	659CL+10	MEDIAN	D10-5	WB MILE 262.0	21	S-13-2002 SIGN MOUNTED ABOVE 20-7
	20-6	664CL+50	MEDIAN	E1-5P	SHOULDER USE PERMITTED ON GREEN ARROW ONLY (OVERHEAD)	84	S-13-2002 SIGN MOUNTED ON EXISTING STRUCTURE S-13-283
	20-7	664CL+90	LT	E6-51	EXIT 261 (OVERHEAD)	108	SIGN MOUNTED BELOW 20-7
	20-7	664CL+90	LT	E6-51	EAST 14, NORTH 151, PARK STOREGON 1/4 MILE (OVERHEAD)	168	SIGN MOUNTED BELOW 20-7
	20-7	664CL+90	LT	E11-1	EXIT ONLY (W/ARROW) (OVERHEAD)	36	S-13-2034
0010	20-9	661CL+50	MEDIAN	SPECIAL DETAIL	SHOULDER USE PERMITTED ON GREEN ARROW ONLY (OVERHEAD)	84	SIGN MOUNTED ON SAME POST AS 20-5
	20-10	669CL+10	MEDIAN	E10-5	EB MILE 262.0	21	SIGN MOUNTED ABOVE 20-11
	20-11A	662CL+00	RT	E1-8P	EXIT 262 (OVERHEAD)	120	SIGN MOUNTED ON EXISTING STRUCTURE S-13-280
	20-11	662CL+00	RT	E6-51	RIMROCK ROAD 1/4 MILE (OVERHEAD)	180	SIGN MOUNTED BELOW 20-11
	20-11	662CL+00	RT	E11-1	EXIT ONLY (W/ARROW) (OVERHEAD)	180	SIGN MOUNTED BELOW 20-11
0010	20-13	664CL+50	MEDIAN	SPECIAL DETAIL	NO TRUCKS ON GREEN ARROW (OVERHEAD)	36	S-13-2002
	21-1	669CL+10	MEDIAN	D10-5	WB MILE 262.2	21	SIGN MOUNTED ON BARRIER WALL
	21-2	673CL+00	LT	SPECIAL DETAIL	NO TRUCKS ON GREEN ARROW (OVERHEAD)	36	S-13-538
	21-3	674CL+00	LT	E8-1A	FITCHBURG EXTS (14 1/4 MILE, D.3/4 MILE, 187151 3 1/2 MILE)	126	
	21-8	669CL+10	MEDIAN	D10-5	EB MILE 262.2	21	
0010	21-10A	674CL+50	RT	E1-3P	EXIT 262 (OVERHEAD)	120	SIGN MOUNTED ON SAME POST AS 21-1
	21-10	674CL+50	RT	E6-1	RIMROCK ROAD (OVERHEAD)	180	SIGN MOUNTED ABOVE 21-10
	21-10	674CL+50	RT	E11-1D	EXIT ONLY (W/ARROW) (OVERHEAD)	42	SIGN MOUNTED ON EXISTING STRUCTURE S-13-281
	21-12	678CL+00	MEDIAN	SPECIAL DETAIL	SHOULDER USE PERMITTED ON GREEN ARROW ONLY (OVERHEAD)	84	SIGN MOUNTED BELOW 21-10
	21-13	678CL+50	RT	E5-1a	EXIT 262 (W/ARROW)	96	S-13-2024
0010	22-1	681CL+00	MEDIAN	D10-5	WB MILE 262.4	21	SIGN MOUNTED ON BARRIER WALL
	22-3	686CL+00	MEDIAN	E8-1	PARK ST 3/4 MILE/FISH HATCHERY RD 1 1/4 MILE/TODD DR 2 MILE (OVERHEAD)	300	S-13-575
	22-7	691CL+90	MEDIAN	D10-5	WB MILE 262.6	21	SIGN MOUNTED ON BARRIER WALL
	22-8	692CL+50	MEDIAN	SPECIAL DETAIL	SHOULDER USE PERMITTED ON GREEN ARROW ONLY (OVERHEAD)	84	S-13-2025
	22-9A	693CL+90	LT	E1-5P	EXIT 262 (OVERHEAD)	120	SIGN MOUNTED ABOVE 22-9
0010	22-9	693CL+90	LT	E6-51	RIMROCK ROAD (OVERHEAD)	180	SIGN MOUNTED ON EXISTING STRUCTURE S-13-089
	22-9	693CL+90	LT	E11-1D	EXIT ONLY (W/ARROW) (OVERHEAD)	180	SIGN MOUNTED ON SAME POST AS 22-9
	22-10	681CL+00	MEDIAN	D10-5	EB MILE 262.4	21	S-13-574
	22-11	683CL+50	MEDIAN	E8-1	JOHN NOLEN DR 1/2 MILE/W BROADWAY 1 MILE/MONONA DR 2 3/4 MILE (OVERHEAD)	240	SIGN MOUNTED ON SAME POST AS 22-7
0010	22-13	691CL+90	MEDIAN	D10-5	EB MILE 262.6	21	SIGN MOUNTED ABOVE 22-14
	22-14A	692CL+60	RT	E1-3P	EXIT 263 (OVERHEAD)	120	SIGN MOUNTED ON EXISTING STRUCTURE S-13-068
	22-14	692CL+60	RT	E6-51	JOHN NOLEN DR 1/4 MILE (OVERHEAD)	216	SIGN MOUNTED BELOW 22-14
	22-14	692CL+60	RT	E11-1	EXIT ONLY (W/ARROW) (OVERHEAD)	216	SIGN MOUNTED ABOVE 23-4
	23-1A	700CL+50	LT	E1-3P	EXIT 262 (OVERHEAD)	120	SIGN MOUNTED BELOW 23-1
	23-1	700CL+50	LT	E6-51	RIMROCK RD 1/8 MILE (OVERHEAD)	168	SIGN MOUNTED ON EXISTING STRUCTURE S-13-071
0010	23-1	700CL+50	LT	E11-1D	EXIT ONLY (W/ARROW) (OVERHEAD)	168	SIGN MOUNTED BELOW 23-1
	23-2	701CL+90	MEDIAN	D10-5	WB MILE 262.8	21	SIGN MOUNTED ON BARRIER WALL
	23-4	701CL+90	MEDIAN	D10-5	EB MILE 262.8	21	SIGN MOUNTED ON SAME POST AS 23-2
	23-5	704CL+00	MEDIAN	SPECIAL DETAIL	NO TRUCKS ON GREEN ARROW (OVERHEAD)	36	S-13-2026
	24-2	710CL+50	MEDIAN	E8-1	RIMROCK RD 1/4 MILE/PARK ST 1 MILE/FISH HATCHERY RD 1 3/4 MILE (OVERHEAD)	312	S-13-576
0010	24-4	712CL+90	MEDIAN	D10-5	EB MILE 263.0	21	SIGN MOUNTED ON BARRIER WALL
	24-5	712CL+90	MEDIAN	D10-5	WB MILE 263.0	21	SIGN MOUNTED ON SAME POST AS 24-4
	24-6	716CL+00	MEDIAN	SPECIAL DETAIL	NO TRUCKS ON GREEN ARROW (OVERHEAD)	36	S-13-2005
	24-7A	718CL+00	LT	E1-3P	EXIT 263 (OVERHEAD)	120	SIGN MOUNTED ABOVE 24-7
	24-7	718CL+00	LT	E6-1	JOHN NOLEN DR (OVERHEAD)	216	SIGN MOUNTED ON EXISTING STRUCTURE S-13-036
0010	24-7	718CL+00	LT	E11-1D	EXIT ONLY (W/ARROW) (OVERHEAD)	216	SIGN MOUNTED BELOW 24-7
	24-9A	710CL+75	RT	E1-5P	EXIT 263 (OVERHEAD)	120	SIGN MOUNTED ABOVE 24-9
	24-9	710CL+75	RT	E6-1	JOHN NOLEN DR (OVERHEAD)	216	SIGN MOUNTED ON EXISTING STRUCTURE S-13-072
	24-9	710CL+75	RT	E11-1D	EXIT ONLY (W/ARROW) (OVERHEAD)	216	SIGN MOUNTED BELOW 24-9
	24-16	716CL+00	MEDIAN	SPECIAL DETAIL	SHOULDER USE PERMITTED ON GREEN ARROW ONLY (OVERHEAD)	84	SIGN MOUNTED BELOW 24-9
0010	25-1	723CL+10	MEDIAN	D10-5	WB MILE 263.2	21	SIGN MOUNTED ON BARRIER WALL
	25-4	730CL+00	MEDIAN	SPECIAL DETAIL	SHOULDER USE PERMITTED ON GREEN ARROW ONLY (OVERHEAD)	84	S-13-2007
	25-5	734CL+10	MEDIAN	D10-5	EB MILE 263.4	21	SIGN MOUNTED ON BARRIER WALL

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 775
 November 25, 2020

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 776
 November 25, 2020

PERMANENT SIGNING SUMMARY (CONT.)

CATEGORY	SIGN NUMBER	APPROX STA.	LOC.	SIGN CODE	SIGN REFLECTIVE	SH	SIGN TYPE II REFLECTIVE		STRUCTURAL	SIGN SUPPORTS		REMARKS
							H'	F		STEEL HS	CONCRETE	
						SF	SF	SF	LB	LB	CY	LB
0010	20-4	65TCL+50	MEDIAN	SPECIAL DETAIL			16.5					S-13-2034 SIGN MOUNTED ON BARRIER WALL
	20-5	66RCL+10	MEDIAN	D10-5								S-13-2002 SIGN MOUNTED ABOVE 20-7
	20-6	66ACL+50	MEDIAN	SPECIAL DETAIL		22.5						SIGN MOUNTED ON EXISTING STRUCTURE S-13-283
	20-7A	66ACL+90	LT	E1-5P		182						SIGN MOUNTED BELOW 20-7
	20-7	66ACL+90	LT	E6-51		42						S-13-2034 SIGN MOUNTED ON SAME POST AS 20-5
	20-9	65TCL+50	MEDIAN	SPECIAL DETAIL			45.5					SIGN MOUNTED ABOVE 20-11
	20-10	66RCL+10	MEDIAN	E10-5								SIGN MOUNTED ON EXISTING STRUCTURE S-13-280
0010	20-11A	66RCL+00	RT	E1-5P		25						SIGN MOUNTED BELOW 20-11
	20-11	66RCL+00	RT	E6-51		75						SIGN MOUNTED ON BARRIER WALL
	20-11	66RCL+00	RT	E11-1		45						S-13-2002 SIGN MOUNTED ON BARRIER WALL
	20-13	66ACL+50	MEDIAN	SPECIAL DETAIL			16.5					S-13-538 SIGN MOUNTED ON SAME POST AS 21-1
	21-1	66RCL+10	MEDIAN	D10-5								SIGN MOUNTED ON EXISTING STRUCTURE S-13-281
	21-2	67RCL+00	LT	SPECIAL DETAIL		168						SIGN MOUNTED BELOW 21-10
	21-3	67ACL+00	LT	E8-1A								SIGN MOUNTED ON EXISTING STRUCTURE S-13-281
0010	21-8	66RCL+10	MEDIAN	D10-5								SIGN MOUNTED ON EXISTING STRUCTURE S-13-281
	21-10A	67ACL+50	RT	E1-5P		25						SIGN MOUNTED ON EXISTING STRUCTURE S-13-281
	21-10	67ACL+50	RT	E6-1		97.5						SIGN MOUNTED ON EXISTING STRUCTURE S-13-281
	21-10	67ACL+50	RT	E11-ID		32.5						SIGN MOUNTED BELOW 21-10
	21-12	67RCL+00	MEDIAN	SPECIAL DETAIL			45.5					SIGN MOUNTED ON BARRIER WALL
	21-13	67RCL+50	RT	E5-1a								SIGN MOUNTED ON BARRIER WALL
	22-1	68TCL+00	MEDIAN	D10-5								SIGN MOUNTED ON BARRIER WALL
0010	22-3	68RCL+00	MEDIAN	E8-1		187.5						SIGN MOUNTED ON BARRIER WALL
	22-7	69TCL+90	MEDIAN	D10-5								SIGN MOUNTED ON BARRIER WALL
	22-8	69RCL+50	MEDIAN	SPECIAL DETAIL			45.5					SIGN MOUNTED ON EXISTING STRUCTURE S-13-069
	22-9A	69RCL+90	LT	E1-5P		25						SIGN MOUNTED ON EXISTING STRUCTURE S-13-069
	22-9	69RCL+90	LT	E6-51		97.5						SIGN MOUNTED ON EXISTING STRUCTURE S-13-069
	22-9	69RCL+90	LT	E11-ID		32.5						SIGN MOUNTED ON EXISTING STRUCTURE S-13-069
	22-10	68TCL+00	MEDIAN	D10-5								SIGN MOUNTED ON SAME POST AS 22-1
0010	22-11	68RCL+50	MEDIAN	E8-1		150						SIGN MOUNTED ON EXISTING STRUCTURE S-13-071
	22-13	69TCL+90	MEDIAN	D10-5								SIGN MOUNTED ON SAME POST AS 22-7
	22-14A	69RCL+60	RT	E1-5P		25						SIGN MOUNTED ON EXISTING STRUCTURE S-13-068
	22-14	69RCL+60	RT	E6-51		99						SIGN MOUNTED ON EXISTING STRUCTURE S-13-068
	22-14	69RCL+60	RT	E11-1		54						SIGN MOUNTED BELOW 22-14
	22-1A	70RCL+50	LT	E1-5P		25						SIGN MOUNTED ABOVE 23-1
	23-1	70RCL+50	LT	E6-51		126						SIGN MOUNTED ON EXISTING STRUCTURE S-13-071
0010	23-1	70RCL+90	LT	E11-ID		42						SIGN MOUNTED BELOW 23-1
	23-2	70TCL+90	MEDIAN	D10-5								SIGN MOUNTED ON BARRIER WALL
	23-4	70TCL+90	MEDIAN	D10-5								SIGN MOUNTED ON SAME POST AS 23-2
	23-5	70RCL+00	MEDIAN	SPECIAL DETAIL			16.5					SIGN MOUNTED ON EXISTING STRUCTURE S-13-036
	24-2	71RCL+50	MEDIAN	E8-1		208						SIGN MOUNTED ON EXISTING STRUCTURE S-13-072
	24-4	71RCL+90	MEDIAN	D10-5								SIGN MOUNTED ON BARRIER WALL
	24-5	71RCL+90	MEDIAN	D10-5								SIGN MOUNTED ON SAME POST AS 24-4
0010	24-6	71RCL+00	MEDIAN	SPECIAL DETAIL			16.5					SIGN MOUNTED ABOVE 24-7
	24-7A	71RCL+00	LT	E1-5P		25						SIGN MOUNTED BELOW 24-7
	24-7	71RCL+00	LT	E6-1		63						SIGN MOUNTED ABOVE 24-9
	24-9A	71RCL+75	RT	E11-ID		63						SIGN MOUNTED ON EXISTING STRUCTURE S-13-072
	24-9	71RCL+75	RT	E6-1		63						SIGN MOUNTED BELOW 24-9
	24-9	71RCL+75	RT	E11-ID		63						SIGN MOUNTED ON EXISTING STRUCTURE S-13-072
	24-16	71RCL+00	MEDIAN	SPECIAL DETAIL			45.5					SIGN MOUNTED ON BARRIER WALL
0010	25-1	72RCL+10	MEDIAN	D10-5								SIGN MOUNTED ON BARRIER WALL
	25-4	73RCL+00	MEDIAN	SPECIAL DETAIL			45.5					SIGN MOUNTED ON BARRIER WALL
	25-5	73RCL+10	MEDIAN	D10-5								SIGN MOUNTED ON BARRIER WALL
	25-6	73RCL+10	MEDIAN	D10-5								SIGN MOUNTED ON BARRIER WALL
	25-6	73RCL+10	MEDIAN	D10-5								SIGN MOUNTED ON BARRIER WALL

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 782
 November 25, 2020

TRAFFIC CONTROL ITEMS

CATEGORY	ROADWAY	643.5000		643.0300		643.0420		643.0705		643.0715		643.0800	
		DURATION DAYS	CONTROL EACH	TRAFFIC CONTROL EACH	DRUMS DAYS	TRAFFIC CONTROL EACH	TRAFFIC CONTROL EACH	TRAFFIC CONTROL EACH	TRAFFIC CONTROL EACH	TRAFFIC CONTROL EACH	TRAFFIC CONTROL EACH	TRAFFIC CONTROL EACH	TRAFFIC CONTROL EACH
STAGE 1A													
0010	PRE CONSTRUCTION WARNING	3	--	--	--	--	--	--	--	--	--	--	--
	USH 12/18 EB RAMP CLOSURE PREWARN	21	--	--	--	--	--	--	--	--	--	--	--
	USH 12/18 WB RAMP CLOSURE PREWARN	21	--	--	--	--	--	--	--	--	--	--	--
	EB TODD DRIVE RAMP	5	--	44	220	3	15	6	30	--	--	--	--
	WB TODD DRIVE RAMP	5	--	24	120	2	10	4	20	--	--	--	--
	EB SEMINOLE HIGHWAY SHOULDER CLOSURE	7	--	4	28	--	--	--	--	--	--	1	7
	SHOULDER CLOSURE EB/WB	40	--	40	1,600	--	--	--	--	20	800	4	160
STAGE 1A SUBTOTAL			--	--	1,968	25	50	800	187				
STAGE 1B													
0010	USH 12/18 EB	5	--	26	130	5	25	10	50	--	--	1	5
	SHORT TERM RAMP CLOSURE	5	--	18	90	4	20	8	40	5	25	--	--
	NIGHT TIME RAMP CLOSURES		--	--	--	--	--	--	--	--	--	--	--
STAGE 1B SUBTOTAL			--	--	220	45	90	25	5				
STAGE 1C													
0010	FISH HATCHERY ROAD EB ONRAMP	7	--	16	112	6	42	12	84	--	--	--	--
	NIGHT TIME RAMP CLOSURES		--	45	675	12	180	24	360	45	675	--	--
STAGE 1C SUBTOTAL			--	--	787	222	444	675	--				
STAGE 2													
0010	USH 12/18 EB	140	--	129	18,060	--	--	--	--	--	--	--	--
	USH 12/18 WB	140	--	137	19,180	--	--	--	--	--	--	--	--
	DAYTIME SINGLE LANE CLOSURES	60	--	189	11,340	13	780	26	1,560	14	840	2	120
	DAYTIME SINGLE LANE CLOSURES	20	--	378	7,560	26	520	52	1,040	28	560	4	80
	DAYTIME RAMP CLOSURES		--	45	2,700	12	720	24	1,440	45	2,700	--	--
	NIGHTTIME DUAL LANE CLOSURES	40	--	448	17,920	26	1,040	52	2,080	56	2,240	6	240
	NIGHTTIME DUAL LANE CLOSURES	40	--	672	26,880	39	1,560	78	3,120	84	3,360	9	360
	NIGHTTIME CLOSURE DETOURS	8	--	--	--	--	--	--	--	--	--	--	--
	OUTSIDE SHOULDER CLOSURES	100	--	10	1,000	--	--	--	--	5	500	1	100
	NIGHTTIME RAMP CLOSURES		--	45	1,725	12	300	24	600	45	1,125	--	--
	NIGHTTIME ROLLING CLOSURES		--	45	2,565	12	684	24	1,368	45	2,565	--	--
STAGE 2 SUBTOTAL			--	--	108,330	5,604	11,208	13,890	900				
STAGE 3													
0010	NIGHTTIME RAMP CLOSURES		--	45	3,240	12	864	24	1,728	45	3,240	--	--
	NIGHTTIME DUAL LANE CLOSURES EB/WB	20	--	448	8,960	26	520	52	1,040	56	1,120	6	120
STAGE 3 SUBTOTAL			--	--	12,200	1,384	2,768	4,360	120				

*FOR INFORMATION ONLY

PROJECT NO: 1206-06-79

HWY: USH 12

COUNTY: DANE

MISCELLANEOUS QUANTITIES

SHEET: 782

E

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 783
 November 25, 2020

TRAFFIC CONTROL ITEMS (CONTINUED)

SPV.0060.48

SPV.0060.47

643.1050 643.1055.S

643.0900

CATEGORY	ROADWAY	TRAFFIC CONTROL SIGNS		TRAFFIC CONTROL PCMS		TRUCK OR TRAILER MOUNTED ATTENUATOR		REPOSITIONING TRAFFIC CONTROL DEVICES FOR MAINLINE CLOSURE		TRAFFIC CONTROL CLOSE-OPEN FREEWAY ENTRANCE RAMP	
		EACH*	DAYS	EACH*	DAYS	DAY	DAY	EACH	EACH	EACH	EACH
STAGE 1A											
0010	PRE CONSTRUCTION WARNING	--	--	2	6	--	--	--	--	--	--
	USH 12/18 EB RAMP CLOSURE PREWARN	10	210	2	14	--	--	--	--	--	2
	USH 12/18 WB RAMP CLOSURE PREWARN	6	126	1	7	--	--	--	--	--	1
	EB TODD DRIVE RAMP	7	35	--	--	--	--	--	--	--	--
	WB TODD DRIVE RAMP	6	30	--	--	--	--	--	--	--	--
	EB SEMINOLE HIGHWAY SHOULDER CLOSURE	7	49	--	--	--	--	--	--	--	--
	SHOULDER CLOSURE EB/WB	32	1,260	--	--	--	--	--	--	--	--
STAGE 1A SUBTOTAL		1,730		27		--		--		3	
STAGE 1B											
0010	USH 12/18 EB	13	65	1	5	--	--	--	--	--	--
	SHORT TERM RAMP CLOSURE	14	70	1	7	--	--	--	--	--	1
	NIGHT TIME RAMP CLOSURES	--	--	10	30	--	--	--	--	--	10
STAGE 1B SUBTOTAL		135		42		--		--		11	
STAGE 1C											
0010	FISH HATCHERY ROAD EB ON RAMP	15	105	1	7	--	--	--	--	--	1
	NIGHT TIME RAMP CLOSURES	8	120	15	45	--	--	--	--	--	15
STAGE 1C SUBTOTAL		225		52		--		--		16	
STAGE 2											
0010	USH 12/18 EB	15	2,100	--	--	--	--	--	--	--	--
	USH 12/18 WB	13	1,820	--	--	--	--	--	--	--	--
	DAY TIME SINGLE LANE CLOSURES	10	600	--	--	120	60	--	--	--	--
	DAY TIME SINGLE LANE CLOSURES	20	400	--	--	40	20	--	--	--	--
	DAY TIME RAMP CLOSURES	8	480	60	180	--	--	--	--	--	60
	NIGHT TIME DUAL LANE CLOSURES	24	960	--	--	--	40	--	--	--	--
	NIGHT TIME DUAL LANE CLOSURES	36	1,440	--	--	--	40	--	--	--	--
	NIGHT TIME CLOSURE DETOURS	--	--	2	16	--	--	--	--	--	--
	OUTSIDE SHOULDER CLOSURES	8	800	--	--	--	--	--	--	--	--
	NIGHT TIME RAMP CLOSURES	8	200	25	75	--	--	--	--	--	25
	NIGHT TIME ROLLING CLOSURES	8	456	3	171	--	--	--	--	--	57
STAGE 2 SUBTOTAL		9,256		442		160		160		142	
STAGE 3											
0010	NIGHT TIME RAMP CLOSURES	8	576	72	216	--	--	20	--	--	72
	NIGHT TIME DUAL LANE CLOSURES EB/WB	28	560	--	--	--	--	--	--	--	--
STAGE 3 SUBTOTAL		1,136		216		--		20		72	

*FOR INFORMATION ONLY

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 784
 November 25, 2020

3

TRAFFIC CONTROL ITEMS (CONTINUED)

SPV.0060.51

SPV.0060.50

SPV.0060.49

EMERGENCY RESPONSE TO TRAFFIC INCIDENT INVOLVING CONCRETE BARRIER/TEMPORARY	EMERGENCY RESPONSE TO TRAFFIC INCIDENT INVOLVING CRASH CUSHION	EMERGENCY RESPONSE TO TRAFFIC INCIDENT INVOLVING GUARD RAIL OR EAT	REMARKS
EACH	EACH	EACH	

CATEGORY	ROADWAY	EMERGENCY RESPONSE TO TRAFFIC INCIDENT INVOLVING CONCRETE BARRIER/TEMPORARY	EMERGENCY RESPONSE TO TRAFFIC INCIDENT INVOLVING CRASH CUSHION	EMERGENCY RESPONSE TO TRAFFIC INCIDENT INVOLVING GUARD RAIL OR EAT	REMARKS
		EACH	EACH	EACH	
STAGE 1A					
0010	PRE CONSTRUCTION WARNING	--	--	--	
	USH 12/18 EB RAMP CLOSURE PRE/AVRN	--	--	--	OUTSIDE SHOULDER WIDENING
	USH 12/18 WB RAMP CLOSURE PRE/AVRN	--	--	--	OUTSIDE SHOULDER WIDENING
	EB TODD DRIVE RAMP	--	--	--	
	WB TODD DRIVE RAMP	--	--	--	
	EB SEMINOLE HIGHWAY SHOULDER CLOSURE	--	--	--	
	SHOULDER CLOSURE EB/WB	--	--	--	MEDIAN SIGN STRUCTURE INSTALLS WEST OF SEMINOLE HWY
STAGE 1A SUBTOTAL		--	--	--	
STAGE 1B					
0010	USH 12/18 EB	--	--	--	OUTSIDE SHOULDER WIDENING AND FISH HATCHERY EB TO NB OFFRAMP CLOSURE
	SHORT TERM RAMP CLOSURE	--	--	--	FISH HATCHERY EB TO NB OFFRAMP CLOSURE
	NIGHT TIME RAMP CLOSURES	--	--	--	TODD DRIVE EB EXIT RAMP CRASH INVESTIGATION SITE
STAGE 1B SUBTOTAL		--	--	--	
STAGE 1C					
0010	FISH HATCHERY ROAD EB ONRAMP	--	--	--	MAINLINE AND RAMP BASE PATCHING
	NIGHT TIME RAMP CLOSURES	--	--	--	
STAGE 1C SUBTOTAL		--	--	--	
STAGE 2					
0010	USH 12/18 EB	--	--	--	LONG TERM MEDIAN CONFIGURATION WITH BARRIER
	USH 12/18 WB	--	--	--	LONG TERM MEDIAN CONFIGURATION WITH BARRIER
	DAYTIME SINGLE LANE CLOSURES	--	--	--	3 MILE LONG SINGLE LANE CLOSURE PER DAY
	DAYTIME SINGLE LANE CLOSURES	--	--	--	TWO 3 MILE LONG SINGLE LANE CLOSURES PER DAY
	DAYTIME RAMP CLOSURES	--	--	--	RAMP CLOSURES REQUIRED FOR CERTAIN LANE CLOSURE LOCATIONS
	NIGHTTIME DUAL LANE CLOSURES	--	--	--	2 SEPARATE CLOSURES OF 3 MILES LONG EACH
	NIGHTTIME DUAL LANE CLOSURES	--	--	--	3 SEPARATE CLOSURES OF 3 MILES LONG EACH
	NIGHTTIME CLOSURE DETOURS	--	--	--	4 NIGHTS EXPECTED PER SIGNED DETOUR
	OUTSIDE SHOULDER CLOSURES	--	--	--	100 SHOULDER CLOSURES OF 1 MILE LENGTH
	NIGHTTIME RAMP CLOSURES	--	--	--	UNUSUAL RAMP CLOSURES FOR STAGE 2 OPERATIONS
	NIGHTTIME ROLLING CLOSURES	--	--	--	ROLLING CLOSURES FOR SIGN TRUSS REMOVAL AND INSTALLATION
STAGE 2 SUBTOTAL		--	--	--	
STAGE 3					
0010	NIGHTTIME RAMP CLOSURES	--	--	--	2 SEPARATE CLOSURES OF 3 MILES LONG EACH
	NIGHTTIME DUAL LANE CLOSURES EB/WB	--	--	--	
STAGE 3 SUBTOTAL		--	--	--	

PROJECT NO: 1206-06-79

HWY: USH 12

COUNTY: DANE

MISCELLANEOUS QUANTITIES

SHEET: 784

FILE NAME: \\MAD\WORKING\PROJ\066541\12060679_1.mxd

PLOT DATE: 11/23/2020 12:23:03 PM

PLOT BY: HNTB Corp

PLOT NAME: 002001_mq80

PLOT SCALE: 1:1

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Addendum No. 01
ID 1206-06-79
Revised Sheet 785
November 25, 2020

TRAFFIC CONTROL ITEMS (CONTINUED)

CATEGORY	ROADWAY	TRAFFIC CONTROL		TRAFFIC CONTROL		TRAFFIC CONTROL		TRAFFIC CONTROL		TRAFFIC CONTROL		TRAFFIC CONTROL		TRAFFIC CONTROL	
		DURATION DAYS	EACH	DRUMS	DRUMS	BARICADES TYPE II	LIGHTS TYPE A	WARNING TYPE A	WARNING TYPE A	WARNING TYPE A	ARROW TYPE C	ARROW TYPE C	ARROW TYPE C	ARROW TYPE C	ARROW TYPE C
0010	NIGHTTIME RAMP CLOSURES	--	--	45	1,620	12	432	24	864	45	1,620	--	--	--	--
	NIGHTTIME DUAL LANE CLOSURES EB/WB	10	--	448	4,480	26	260	52	520	56	560	6	60	60	60
	STAGE 4 SUBTOTAL		--		6,100		682		1,384		2,180				60
	STAGE 5														
0010	NIGHTTIME SINGLE LANE CLOSURES EB/WB	15	--	189	2,835	13	195	26	390	14	210	1	15	15	15
	STAGE 5 SUBTOTAL		--		2,835		195		390		210				15
	UNDISTRIBUTED		1		13,244		817		1,633		2,214		127	127	127
	PROJECT 1206-06-79 TOTALS		1		145,684		8,984		17,967		24,354		1,394	1,394	1,394

*FOR INFORMATION ONLY

Addendum No. 01
ID 1206-06-79
Revised Sheet 786
November 25, 2020

TRAFFIC CONTROL ITEMS (CONTINUED)

CATEGORY	ROADWAY		TRAFFIC CONTROL SIGNS		TRAFFIC CONTROL SIGNS		TRUCK OR TRAILER MOUNTED ATTENUATOR		REPOSITIONING TRAFFIC CONTROL DEVICES FOR MAINLINE CLOSURE		TRAFFIC CONTROL CLOSE-OPEN FREEWAY ENTRANCE RAMP	
	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS	EACH*	DAYS
0010	8	288	36	108	10	36	10	36	10	36	10	36
STAGE 4 SUBTOTAL	28	280	--	--	--	--	--	--	10	36	--	--
STAGE 4 SUBTOTAL	568	108										
0010	14	210	--	--	15	--	15	--	15	--	--	--
STAGE 5 SUBTOTAL	210	--	--	--	15	--	15	--	15	--	--	--
UNDISTRIBUTED	1,326	177	16	21	28	28	21	21	21	21	21	28
PROJECT 1206-06-79 TOTALS	14,586	1,064	176	226	308	308	308	308	308	308	308	308

*FOR INFORMATION ONLY

CONCRETE PAVEMENT AT INLET LOCATIONS

SPV.0060.63		SPV.0060.64	
MEDIAN INLET	OUTSIDE SHOULDER	ADJUSTING INLET	PAVEMENT REPLACEMENT
CONCRETE PAVEMENT	BLOCKOUT	EACH	EACH
ROADWAY	DIRECTION	USH 12	USH 12
0010	EB	167	18
	WB	160	13
PROJECT 1206-06-79 TOTALS		327	31

UTILITY LINE OPENING (ULO)

SPV.0060.59		UTILITY LINE OPENING (ULO)	
ROADWAY	USH 12	EACH	10
0010			
PROJECT 1206-06-79 TOTALS			10

SECURING STRUCTURE COVERS

SPV.0060.52		SECURING STRUCTURE COVERS	
ROADWAY	EACH	USH 12	20
0010			
PROJECT 1206-06-79 TOTALS			20

PIPE BOLLARD

SPV.0060.68		PIPE BOLLARD	
ROADWAY	EACH	USH 12	2
0010	FISH HATCHERY EB TO SB EXIT RAMP		2
PROJECT 1206-06-79 TOTALS			2

ADJUSTING PULL BOXES CONCRETE REINFORCEMENT

SPV.0060.69		ADJUSTING PULL BOXES CONCRETE REINFORCEMENT	
ROADWAY	EACH	USH 12	1
0010	FISH HATCHERY EB TO SB EXIT RAMP		1
PROJECT 1206-06-79 TOTALS			1

SURVEY PROJECT 1206-06-79

SPV.0105.01		SURVEY PROJECT 1206-06-79	
ROADWAY	LS	USH 12	1
0010			
PROJECT 1206-06-79 TOTAL			1

Addendum No. 01
ID 1206-06-79
Revised Sheet 793
November 25, 2020

PROJECT NO: 1206-06-79

HWY: USH 12

COUNTY: DANE

MISCELLANEOUS QUANTITIES

SHEET: 793

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FILE NAME: \\MADWING\INGR\PROJ\06654\1\cuss\03201_1.mxd

PLOT DATE: 11/23/2020 1:50:42 PM

PLOT BY: HNTB Corp

PLOT NAME: 03201_mq8

PLOT SCALE: 1:1

CPM PROGRESS SCHEDULE

SPV.0060.65 SPV.0060.66

CPM PROGRESS SCHEDULE CPM PROGRESS SCHEDULE

BASELINE CPM UPDATES AND

PROGRESS SCHEDULE ACCEPTED REVISIONS

CATEGORY	ROADWAY	EACH	7
0010	USH 12	1	7
PROJECT 1206-06-79 TOTALS			
		1	7

REMOVE CATWALK

SPV.0060.67 REMOVE CATWALK

EACH

CATEGORY	ROADWAY	STATION	OFFSET	STRUCTURE	COMMENTS
0010	USH 12	692CL+65	RT	S-13-068	EXISTING CANTILEVER
		693CL+85	LT	S-13-069	EXISTING CANTILEVER
		700CL+35	LT	S-13-071	EXISTING CANTILEVER
		710CL+88	RT	S-13-072	EXISTING CANTILEVER
		717CL+990	LT	S-13-36	EXISTING CANTILEVER
		738CL+40	LT	S-13-040	EXISTING CANTILEVER
		823CL+37	RT	S-13-041	EXISTING CANTILEVER
		841CL+38	LT	S-13-042	EXISTING CANTILEVER
		862CL+40	LT	S-13-046	EXISTING CANTILEVER
PROJECT 1206-06-79 TOTALS					9

Addendum No. 01
ID 1206-06-79
Revised Sheet 794
November 25, 2020

MAINLINE CONCRETE REPAIR

416.0610 SPV.0090.21 SPV.0180.01 SPV.0180.02 SPV.0180.03

DRILLED CONCRETE PAVEMENT CONCRETE PAVEMENT CONCRETE PAVEMENT CONCRETE PAVEMENT

TE REPAIR LONGITUDINAL REPAIR REPLACEMENT BASE PATCHING

BARBS* JOINT OVERNIGHT OVERNIGHT OVERNIGHT CONCRETE OVERNIGHT*

CATEGORY	ROADWAY	DIRECTION	LF	SY	SY	SY	SY	COMMENTS
STAGE 2								
0010	USH 12	EB	--	--	--	345	345	STAGE 2 MEDIAN LOCATIONS AT
		WB	--	--	--	248	248	VANE DRAIN REMOVALS, ETC.
STAGE 2 SUB TOTALS								593
UNDISTRIBUTED								
0010	USH 12	EB	34	--	--	600	600	ESTIMATED JOINT REPAIR LOCATIONS
		WB	34	--	--	600	600	
			--	--	--	40	40	
			--	50	125	--	--	
			--	32	--	--	--	
			--	40	50	--	--	
			--	120	125	--	--	
UNDISTRIBUTED			68	242	300	1,240	1,240	
PROJECT 1206-06-79 TOTALS								1,833

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ITS CONDUIT SUMMARY (CONT'D)

CATEGORY	LOCATION	FROM	TO	650-0005 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	650-0005 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	650-0005 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	650-0005 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	650-0005 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	650-0005 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
0000	LCS-15-0030	PB1-1	PB1-2	36	36	36	36	36	36
		PB1-2	PB1-3	28	28	28	28	28	28
		OP1-1	OP1-2	55	55	55	55	55	55
		PB2-1	PB2-2	30	30	30	30	30	30
		PB2-2	PB2-3	30	30	30	30	30	30
		PB2-3	PB2-4	30	30	30	30	30	30
		EXCV1-1	EXCV1-2	595	595	595	595	595	595
		EXCV1-2	EXCV1-3	17	17	17	17	17	17
		PB2-2	PB2-3	40	40	40	40	40	40
		PB2-3	PB2-4	55	55	55	55	55	55
		PB2-4	PB2-5	30	30	30	30	30	30
		PB3-1	PB3-2	54	54	54	54	54	54
		PB3-2	PB3-3	54	54	54	54	54	54
		EXCV1-1	EXCV1-2	153	153	153	153	153	153
		PB3-2	PB3-3	10	10	10	10	10	10
		PB3-3	PB3-4	20	20	20	20	20	20
		PB3-4	PB3-5	18	18	18	18	18	18
		EXCV1-1	EXCV1-2	558	558	558	558	558	558
		EXCV1-2	EXCV1-3	579	579	579	579	579	579
		PB4-2	PB4-3	26	26	26	26	26	26
		PB4-3	PB4-4	16	16	16	16	16	16
		PB4-4	PB4-5	14	14	14	14	14	14
		PB4-5	PB4-6	18	18	18	18	18	18
		PB4-6	PB4-7	46	46	46	46	46	46
		PB4-7	PB4-8	46	46	46	46	46	46
		PB4-8	PB4-9	22	22	22	22	22	22
		PB4-9	PB4-10	26	26	26	26	26	26
		PB4-10	PB4-11	26	26	26	26	26	26
		PB4-11	PB4-12	40	40	40	40	40	40
		PB4-12	PB4-13	35	35	35	35	35	35
		PB4-13	PB4-14	74	74	74	74	74	74
		PB4-14	PB4-15	197	197	197	197	197	197
		PB4-15	PB4-16	26	26	26	26	26	26
		PB4-16	PB4-17	116	116	116	116	116	116
		PB4-17	PB4-18	214	214	214	214	214	214
		PB4-18	PB4-19	135	135	135	135	135	135
		PB4-19	PB4-20	26	26	26	26	26	26
		PB4-20	PB4-21	948	948	948	948	948	948
		PB4-21	PB4-22	194	194	194	194	194	194
		PB4-22	PB4-23	232	232	232	232	232	232
		PB4-23	PB4-24	26	26	26	26	26	26
		PB4-24	PB4-25	346	346	346	346	346	346
		PB4-25	PB4-26	46	46	46	46	46	46
		PB4-26	PB4-27	284	284	284	284	284	284
		PB4-27	PB4-28	36	36	36	36	36	36
		PB4-28	PB4-29	278	278	278	278	278	278
		PB4-29	PB4-30	156	156	156	156	156	156
		PB4-30	PB4-31	10	10	10	10	10	10
		PB4-31	PB4-32	10	10	10	10	10	10
		PB4-32	PB4-33	20	20	20	20	20	20
		PB4-33	PB4-34	20	20	20	20	20	20
		PB4-34	PB4-35	20	20	20	20	20	20
		PB4-35	PB4-36	20	20	20	20	20	20
		PB4-36	PB4-37	20	20	20	20	20	20
		PB4-37	PB4-38	20	20	20	20	20	20
		PB4-38	PB4-39	20	20	20	20	20	20
		PB4-39	PB4-40	20	20	20	20	20	20
		PB4-40	PB4-41	20	20	20	20	20	20
		PB4-41	PB4-42	20	20	20	20	20	20
		PB4-42	PB4-43	20	20	20	20	20	20
		PB4-43	PB4-44	20	20	20	20	20	20
		PB4-44	PB4-45	20	20	20	20	20	20
		PB4-45	PB4-46	20	20	20	20	20	20
		PB4-46	PB4-47	20	20	20	20	20	20
		PB4-47	PB4-48	20	20	20	20	20	20
		PB4-48	PB4-49	20	20	20	20	20	20
		PB4-49	PB4-50	20	20	20	20	20	20
		PB4-50	PB4-51	20	20	20	20	20	20
		PB4-51	PB4-52	20	20	20	20	20	20
		PB4-52	PB4-53	20	20	20	20	20	20
		PB4-53	PB4-54	20	20	20	20	20	20
		PB4-54	PB4-55	20	20	20	20	20	20
		PB4-55	PB4-56	20	20	20	20	20	20
		PB4-56	PB4-57	20	20	20	20	20	20
		PB4-57	PB4-58	20	20	20	20	20	20
		PB4-58	PB4-59	20	20	20	20	20	20
		PB4-59	PB4-60	20	20	20	20	20	20
		PB4-60	PB4-61	20	20	20	20	20	20
		PB4-61	PB4-62	20	20	20	20	20	20
		PB4-62	PB4-63	20	20	20	20	20	20
		PB4-63	PB4-64	20	20	20	20	20	20
		PB4-64	PB4-65	20	20	20	20	20	20
		PB4-65	PB4-66	20	20	20	20	20	20
		PB4-66	PB4-67	20	20	20	20	20	20
		PB4-67	PB4-68	20	20	20	20	20	20
		PB4-68	PB4-69	20	20	20	20	20	20
		PB4-69	PB4-70	20	20	20	20	20	20
		PB4-70	PB4-71	20	20	20	20	20	20
		PB4-71	PB4-72	20	20	20	20	20	20
		PB4-72	PB4-73	20	20	20	20	20	20
		PB4-73	PB4-74	20	20	20	20	20	20
		PB4-74	PB4-75	20	20	20	20	20	20
		PB4-75	PB4-76	20	20	20	20	20	20
		PB4-76	PB4-77	20	20	20	20	20	20
		PB4-77	PB4-78	20	20	20	20	20	20
		PB4-78	PB4-79	20	20	20	20	20	20
		PB4-79	PB4-80	20	20	20	20	20	20
		PB4-80	PB4-81	20	20	20	20	20	20
		PB4-81	PB4-82	20	20	20	20	20	20
		PB4-82	PB4-83	20	20	20	20	20	20
		PB4-83	PB4-84	20	20	20	20	20	20
		PB4-84	PB4-85	20	20	20	20	20	20
		PB4-85	PB4-86	20	20	20	20	20	20
		PB4-86	PB4-87	20	20	20	20	20	20
		PB4-87	PB4-88	20	20	20	20	20	20
		PB4-88	PB4-89	20	20	20	20	20	20
		PB4-89	PB4-90	20	20	20	20	20	20
		PB4-90	PB4-91	20	20	20	20	20	20
		PB4-91	PB4-92	20	20	20	20	20	20
		PB4-92	PB4-93	20	20	20	20	20	20
		PB4-93	PB4-94	20	20	20	20	20	20
		PB4-94	PB4-95	20	20	20	20	20	20
		PB4-95	PB4-96	20	20	20	20	20	20
		PB4-96	PB4-97	20	20	20	20	20	20
		PB4-97	PB4-98	20	20	20	20	20	20
		PB4-98	PB4-99	20	20	20	20	20	20
		PB4-99	PB4-100	20	20	20	20	20	20
		PB4-100	PB4-101	20	20	20	20	20	20
		PB4-101	PB4-102	20	20	20	20	20	20
		PB4-102	PB4-103	20	20	20	20	20	20
		PB4-103	PB4-104	20	20	20	20	20	20
		PB4-104	PB4-105	20	20	20	20	20	20
		PB4-105	PB4-106	20	20	20	20	20	20
		PB4-106	PB4-107	20	20	20	20	20	20
		PB4-107	PB4-108	20	20	20	20	20	20
		PB4-108	PB4-109	20	20	20	20	20	20
		PB4-109	PB4-110	20	20	20	20	20	20
		PB4-110	PB4-111	20	20	20	20	20	20
		PB4-111	PB4-112	20	20	20	20	20	20
		PB4-112	PB4-113	20	20	20	20	20	20
		PB4-113	PB4-114	20	20	20	20	20	20
		PB4-114	PB4-115	20	20	20	20	20	20
		PB4-115	PB4-116	20	20	20	20	20	20
		PB4-116	PB4-117	20	20	20	20	20	20
		PB4-117	PB4-118	20	20	20	20	20	20
		PB4-118	PB4-119	20	20	20	20	20	20
		PB4-119	PB4-120	20	20	20</			

ITS PULL BOX SUMMARY (CONT'D)											
CATEGORY	LOCATION	EQUIP. LOCATION	STATION	OFFSET	654084 PULL BOXES NON-CONDUCTIVE 2-4-CONDUCTIVE EACH	654084 PULL BOXES NON-CONDUCTIVE 2-4-CONDUCTIVE EACH	654022 JUNCTION BOXES BRN/WH EACH	654084 PULL BOXES NON-CONDUCTIVE 2-4-CONDUCTIVE EACH	654022 JUNCTION BOXES BRN/WH EACH	654084 PULL BOXES NON-CONDUCTIVE 2-4-CONDUCTIVE EACH	654022 JUNCTION BOXES BRN/WH EACH
0020	LCS-15-0030	PB1-2	409+73.3	85.9 RT	1	1	1	1	1	1	1
		PB1-1	411+85.1	85.4 RT	1	1	1	1	1	1	1
		PB2-1	437+31.6	84.2 RT	1	1	1	1	1	1	1
		PB2-2	440+37.5	84.3 RT	1	1	1	1	1	1	1
		PB3-1	495+47.9	76.0 RT	1	1	1	1	1	1	1
		PB3-2	496+54.1	76.0 RT	1	1	1	1	1	1	1
		PB4-1	495+47.9	76.0 RT	1	1	1	1	1	1	1
		PB4-2	496+54.1	76.0 RT	1	1	1	1	1	1	1
		PB5-1	504+55.0	82.2 L	1	1	1	1	1	1	1
		PB5-2	505+61.0	82.2 L	1	1	1	1	1	1	1
		PB6-1	504+55.0	82.2 L	1	1	1	1	1	1	1
		PB6-2	505+61.0	82.2 L	1	1	1	1	1	1	1
		PB7-1	532+37.0	75.4 RT	1	1	1	1	1	1	1
		PB7-2	533+43.0	75.4 RT	1	1	1	1	1	1	1
		PB8-1	532+37.0	75.4 RT	1	1	1	1	1	1	1
		PB8-2	533+43.0	75.4 RT	1	1	1	1	1	1	1
		PB9-1	558+25.5	65.3 L	1	1	1	1	1	1	1
		PB9-2	559+31.5	65.3 L	1	1	1	1	1	1	1
		PB10-1	579+96.2	83.7 RT	1	1	1	1	1	1	1
		PB10-2	580+102.2	83.7 RT	1	1	1	1	1	1	1
		PB11-1	580+102.2	83.7 RT	1	1	1	1	1	1	1
		PB11-2	581+108.2	83.7 RT	1	1	1	1	1	1	1
		PB12-1	602+15.4	94.1 L	1	1	1	1	1	1	1
		PB12-2	603+21.4	94.1 L	1	1	1	1	1	1	1
		PB13-1	605+22.7	236.5 L	1	1	1	1	1	1	1
		PB13-2	606+28.7	236.5 L	1	1	1	1	1	1	1
		PB14-1	605+22.7	236.5 L	1	1	1	1	1	1	1
		PB14-2	606+28.7	236.5 L	1	1	1	1	1	1	1
		PB15-1	607+88.1	133.3 L	1	1	1	1	1	1	1
		PB15-2	608+94.1	133.3 L	1	1	1	1	1	1	1
		PB16-1	607+88.1	133.3 L	1	1	1	1	1	1	1
		PB16-2	608+94.1	133.3 L	1	1	1	1	1	1	1
		PB17-1	617+06.7	84.5 L	1	1	1	1	1	1	1
		PB17-2	618+12.7	84.5 L	1	1	1	1	1	1	1
		PB18-1	631+08.1	80.7 L	1	1	1	1	1	1	1
		PB18-2	632+14.1	80.7 L	1	1	1	1	1	1	1
		PB19-1	630+51.5	81.0 L	1	1	1	1	1	1	1
		PB19-2	631+57.5	81.0 L	1	1	1	1	1	1	1
		PB20-1	653+11.5	81.6 RT	1	1	1	1	1	1	1
		PB20-2	654+17.5	81.6 RT	1	1	1	1	1	1	1
		PB21-1	667+39.9	83.1 RT	1	1	1	1	1	1	1
		PB21-2	668+45.9	83.1 RT	1	1	1	1	1	1	1
		PB22-1	675+49.0	86.9 RT	1	1	1	1	1	1	1
		PB22-2	676+55.0	86.9 RT	1	1	1	1	1	1	1
		PB23-1	671+86.9	84.3 L	1	1	1	1	1	1	1
		PB23-2	672+92.9	84.3 L	1	1	1	1	1	1	1
		PB24-1	692+69.2	80.2 L	1	1	1	1	1	1	1
		PB24-2	693+75.2	80.2 L	1	1	1	1	1	1	1
		PB25-1	704+75.9	80.5 RT	1	1	1	1	1	1	1
		PB25-2	705+81.9	80.5 RT	1	1	1	1	1	1	1
		PB26-1	700+61.5	71.7 L	1	1	1	1	1	1	1
		PB26-2	701+67.5	71.7 L	1	1	1	1	1	1	1
		PB27-1	718+21.3	82.4 L	1	1	1	1	1	1	1
		PB27-2	719+27.3	82.4 L	1	1	1	1	1	1	1
		PB28-1	729+81.7	85.4 L	1	1	1	1	1	1	1
		PB28-2	730+87.7	85.4 L	1	1	1	1	1	1	1
		PB29-1	742+85.3	82.4 RT	1	1	1	1	1	1	1
		PB29-2	743+91.3	82.4 RT	1	1	1	1	1	1	1
		PB30-1	743+91.3	82.4 RT	1	1	1	1	1	1	1
		PB30-2	744+97.3	82.4 RT	1	1	1	1	1	1	1
		PB31-1	747+28.5	80.5 RT	1	1	1	1	1	1	1
		PB31-2	748+34.5	80.5 RT	1	1	1	1	1	1	1
		PB32-1	710+33.2	82.6 L	1	1	1	1	1	1	1
		PB32-2	711+39.2	82.6 L	1	1	1	1	1	1	1
		PB33-1	747+28.5	80.5 RT	1	1	1	1	1	1	1
		PB33-2	748+34.5	80.5 RT	1	1	1	1	1	1	1
		PB34-1	704+75.9	80.5 RT	1	1	1	1	1	1	1
		PB34-2	705+81.9	80.5 RT	1	1	1	1	1	1	1
		PB35-1	709+38.1	80.5 RT	1	1	1	1	1	1	1
		PB35-2	710+44.1	80.5 RT	1	1	1	1	1	1	1
		PB36-1	700+61.5	71.7 L	1	1	1	1	1	1	1
		PB36-2	701+67.5	71.7 L	1	1	1	1	1	1	1
		PB37-1	729+81.7	85.4 L	1	1	1	1	1	1	1
		PB37-2	730+87.7	85.4 L	1	1	1	1	1	1	1
		PB38-1	742+85.3	82.4 RT	1	1	1	1	1	1	1
		PB38-2	743+91.3	82.4 RT	1	1	1	1	1	1	1
		PB39-1	743+91.3	82.4 RT	1	1	1	1	1	1	1
		PB39-2	744+97.3	82.4 RT	1	1	1	1	1	1	1
		PB40-1	747+28.5	80.5 RT	1	1	1	1	1	1	1
		PB40-2	748+34.5	80.5 RT	1	1	1	1	1	1	1
		PB41-1	710+33.2	82.6 L	1	1	1	1	1	1	1
		PB41-2	711+39.2	82.6 L	1	1	1	1	1	1	1
		PB42-1	704+75.9	80.5 RT	1	1	1	1	1	1	1
		PB42-2	705+81.9	80.5 RT	1	1	1	1	1	1	1
		PB43-1	709+38.1	80.5 RT	1	1	1	1	1	1	1
		PB43-2	710+44.1	80.5 RT	1	1	1	1	1	1	1
		PB44-1	700+61.5	71.7 L	1	1	1	1	1	1	1
		PB44-2	701+67.5	71.7 L	1	1	1	1	1	1	1
		PB45-1	729+81.7	85.4 L	1	1	1	1	1	1	1
		PB45-2	730+87.7	85.4 L	1	1	1	1	1	1	1
		PB46-1	742+85.3	82.4 RT	1	1	1	1	1	1	1
		PB46-2	743+91.3	82.4 RT	1	1	1	1	1	1	1
		PB47-1	743+91.3	82.4 RT	1	1	1	1	1	1	1
		PB47-2	744+97.3	82.4 RT	1	1	1	1	1	1	1
		PB48-1	747+28.5	80.5 RT	1	1	1	1	1	1	1
		PB48-2	748+34.5	80.5 RT	1	1	1	1	1	1	1
		PB49-1	710+33.2	82.6 L	1	1	1	1	1	1	1
		PB49-2	711+39.2	82.6 L	1	1	1	1	1	1	1
		PB50-1	704+75.9	80.5 RT	1	1	1	1	1	1	1
		PB50-2	705+81.9	80.5 RT	1	1	1	1	1	1	1
		PB51-1	709+38.1	80.5 RT	1	1	1	1	1	1	1
		PB51-2	710+44.1	80.5 RT	1	1	1	1	1	1	1
		PB52-1	700+61.5	71.7 L	1	1	1	1	1	1	1
		PB52-2	701+67.5	71.7 L	1	1	1	1	1	1	1
		PB53-1	729+81.7	85.4 L	1	1	1	1	1	1	1
		PB53-2	730+87.7	85.4 L	1	1	1	1	1	1	1
		PB54-1	742+85.3	82.4 RT	1	1	1	1	1	1	1
		PB54-2	743+91.3	82.4 RT	1	1	1	1	1	1	1
		PB55-1	743+91.3	82.4 RT	1	1	1	1	1	1	1
		PB55-2	744+97.3	82.4 RT	1	1	1	1	1	1	1
		PB56-1	747+28.5	80.5 RT	1	1	1	1	1	1	1
		PB56-2	748+34.5	80.5 RT	1	1	1	1	1	1	1
		PB57-1	710+33.2	82.6 L	1	1	1	1	1	1	1
		PB57-2	711+39.2	82.6 L	1	1	1	1	1	1	1
		PB58-1	704+75.9	80.5 RT	1	1	1	1	1	1	1
		PB58-2	705+81.9	80.5 RT	1	1	1	1	1	1	1
		PB59-1	709+38.1	80.5 RT	1	1	1	1	1	1	1
		PB59-2	710+44.1	80.5 RT	1						

Addendum No. 01
ID 1206-06-79
Revised Sheet 811
November 25, 2020

ITS ELECTRICAL WIRE
ELECTRICAL SERVICE METER BREAKER PEDESTAL

Table with columns: CATEGORY, LOCATION, FROM, TO, WIRE LIGHTING 6 AWG, WIRE LIGHTING 4 AWG, WIRE LIGHTING 2 AWG, WIRE LIGHTING 1 AWG, WIRE LIGHTING 1/0 AWG, WIRE LIGHTING 1/2 AWG. Includes a summary row for 'ELECTRICAL SERVICE BREAKER DISCONNECT BOX' with a total of 28.

Table with columns: CATEGORY, LOCATION, EQUIP. LOCATION, STATION, OFFSET, BID ITEM NUMBER, LS. Includes a summary row for 'ELECTRICAL SERVICE BREAKER DISCONNECT BOX' with a total of 28.

Table with columns: CATEGORY, LOCATION, EQUIP. LOCATION, STATION, OFFSET, BID ITEM NUMBER, LS. Includes a summary row for 'ELECTRICAL SERVICE BREAKER DISCONNECT BOX' with a total of 28.

Table with columns: CATEGORY, LOCATION, EQUIP. LOCATION, STATION, OFFSET, BID ITEM NUMBER, LS. Includes a summary row for 'ELECTRICAL SERVICE BREAKER DISCONNECT BOX' with a total of 28.

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Table with columns: CATEGORY, LOCATION, EQUIP. LOCATION, STATION, OFFSET, BID ITEM NUMBER, LS. Includes a summary row for 'ELECTRICAL SERVICE BREAKER DISCONNECT BOX' with a total of 28.

Addendum No. 01
ID 1206-06-79
Revised Sheet 812
November 25, 2020

3

3

ITS CABINET SUMMARY

CATEGORY	LOCATION	EQUIP. LOCATION	678.6600 INSTALL ETHERNET PATCH EACH	678.0400 FIBER OPTIC TERMINAL EACH	671.0925 INSTALL POLE MOUNTED CABINET EACH
0020	LCS-13-0030	CB8-1	1	4	1
	LCS-13-0031	CB2-2	1	4	1
	LCS-13-0032	CB2-1	1	4	1
	LCS-13-0033	EXCR6-1	1	4	1
	LCS-13-0034	EXCR6-2	1	4	1
	LCS-13-0035	EXCR6-3	1	4	1
	LCS-13-0036	EXCR6-4	1	4	1
	LCS-13-0037	EXCR6-5	1	4	1
	LCS-13-0038	EXCR6-6	1	4	1
	LCS-13-0039	EXCR6-7	1	4	1
	LCS-13-0040	EXCR6-8	1	4	1
	LCS-13-0041	EXCR6-9	1	4	1
	LCS-13-0042	EXCR6-10	1	4	1
	LCS-13-0043	EXCR6-11	1	4	1
	LCS-13-0044	EXCR6-12	1	4	1
	LCS-13-0045	EXCR6-13	1	4	1
	LCS-13-0046	EXCR6-14	1	4	1
	LCS-13-0047	EXCR6-15	1	4	1
	LCS-13-0048	EXCR6-16	1	4	1
	LCS-13-0049	EXCR6-17	1	4	1
	LCS-13-0050	EXCR6-18	1	4	1
	LCS-13-0051	EXCR6-19	1	4	1
	LCS-13-0052	EXCR6-20	1	4	1
	LCS-13-0053	EXCR6-21	1	4	1
	LCS-13-0054	EXCR6-22	1	4	1
	LCS-13-0055	EXCR6-23	1	4	1
	LCS-13-0056	EXCR6-24	1	4	1
	LCS-13-0057	EXCR6-25	1	4	1
	LCS-13-0058	EXCR6-26	1	4	1
	LCS-13-0059	EXCR6-27	1	4	1
	LCS-13-0060	EXCR6-28	1	4	1
	LCS-13-0061	EXCR6-29	1	4	1
	LCS-13-0062	EXCR6-30	1	4	1
	LCS-13-0063	EXCR6-31	1	4	1
	LCS-13-0064	EXCR6-32	1	4	1
	LCS-13-0065	EXCR6-33	1	4	1
	LCS-13-0066	EXCR6-34	1	4	1
	LCS-13-0067	EXCR6-35	1	4	1
	LCS-13-0068	EXCR6-36	1	4	1
	LCS-13-0069	EXCR6-37	1	4	1
	LCS-13-0070	EXCR6-38	1	4	1
	LCS-13-0071	EXCR6-39	1	4	1
	LCS-13-0072	EXCR6-40	1	4	1
	LCS-13-0073	EXCR6-41	1	4	1
	LCS-13-0074	EXCR6-42	1	4	1
	LCS-13-0075	EXCR6-43	1	4	1
	LCS-13-0076	EXCR6-44	1	4	1
	LCS-13-0077	EXCR6-45	1	4	1
	LCS-13-0078	EXCR6-46	1	4	1
	LCS-13-0079	EXCR6-47	1	4	1
	LCS-13-0080	EXCR6-48	1	4	1
	LCS-13-0081	EXCR6-49	1	4	1
	LCS-13-0082	EXCR6-50	1	4	1
	LCS-13-0083	EXCR6-51	1	4	1
	LCS-13-0084	EXCR6-52	1	4	1
	LCS-13-0085	EXCR6-53	1	4	1
	LCS-13-0086	EXCR6-54	1	4	1
	LCS-13-0087	EXCR6-55	1	4	1
	LCS-13-0088	EXCR6-56	1	4	1
	LCS-13-0089	EXCR6-57	1	4	1
	LCS-13-0090	EXCR6-58	1	4	1
	LCS-13-0091	EXCR6-59	1	4	1
	LCS-13-0092	EXCR6-60	1	4	1
	LCS-13-0093	EXCR6-61	1	4	1
	LCS-13-0094	EXCR6-62	1	4	1
	LCS-13-0095	EXCR6-63	1	4	1
	LCS-13-0096	EXCR6-64	1	4	1
	LCS-13-0097	EXCR6-65	1	4	1
	LCS-13-0098	EXCR6-66	1	4	1
	LCS-13-0099	EXCR6-67	1	4	1
	LCS-13-0100	EXCR6-68	1	4	1
	LCS-13-0101	EXCR6-69	1	4	1
	LCS-13-0102	EXCR6-70	1	4	1
	LCS-13-0103	EXCR6-71	1	4	1
	LCS-13-0104	EXCR6-72	1	4	1
	LCS-13-0105	EXCR6-73	1	4	1
	LCS-13-0106	EXCR6-74	1	4	1
	LCS-13-0107	EXCR6-75	1	4	1
	LCS-13-0108	EXCR6-76	1	4	1
	LCS-13-0109	EXCR6-77	1	4	1
	LCS-13-0110	EXCR6-78	1	4	1
	LCS-13-0111	EXCR6-79	1	4	1
	LCS-13-0112	EXCR6-80	1	4	1
	LCS-13-0113	EXCR6-81	1	4	1
	LCS-13-0114	EXCR6-82	1	4	1
	LCS-13-0115	EXCR6-83	1	4	1
	LCS-13-0116	EXCR6-84	1	4	1
	LCS-13-0117	EXCR6-85	1	4	1
	LCS-13-0118	EXCR6-86	1	4	1
	LCS-13-0119	EXCR6-87	1	4	1
	LCS-13-0120	EXCR6-88	1	4	1
	LCS-13-0121	EXCR6-89	1	4	1
	LCS-13-0122	EXCR6-90	1	4	1
	LCS-13-0123	EXCR6-91	1	4	1
	LCS-13-0124	EXCR6-92	1	4	1
	LCS-13-0125	EXCR6-93	1	4	1
	LCS-13-0126	EXCR6-94	1	4	1
	LCS-13-0127	EXCR6-95	1	4	1
	LCS-13-0128	EXCR6-96	1	4	1
	LCS-13-0129	EXCR6-97	1	4	1
	LCS-13-0130	EXCR6-98	1	4	1
	LCS-13-0131	EXCR6-99	1	4	1
	LCS-13-0132	EXCR6-100	1	4	1
	LCS-13-0133	EXCR6-101	1	4	1
	LCS-13-0134	EXCR6-102	1	4	1
	LCS-13-0135	EXCR6-103	1	4	1
	LCS-13-0136	EXCR6-104	1	4	1
	LCS-13-0137	EXCR6-105	1	4	1
	LCS-13-0138	EXCR6-106	1	4	1
	LCS-13-0139	EXCR6-107	1	4	1
	LCS-13-0140	EXCR6-108	1	4	1
	LCS-13-0141	EXCR6-109	1	4	1
	LCS-13-0142	EXCR6-110	1	4	1
	LCS-13-0143	EXCR6-111	1	4	1
	LCS-13-0144	EXCR6-112	1	4	1
	LCS-13-0145	EXCR6-113	1	4	1
	LCS-13-0146	EXCR6-114	1	4	1
	LCS-13-0147	EXCR6-115	1	4	1
	LCS-13-0148	EXCR6-116	1	4	1
	LCS-13-0149	EXCR6-117	1	4	1
	LCS-13-0150	EXCR6-118	1	4	1
	LCS-13-0151	EXCR6-119	1	4	1
	LCS-13-0152	EXCR6-120	1	4	1
	LCS-13-0153	EXCR6-121	1	4	1
	LCS-13-0154	EXCR6-122	1	4	1
	LCS-13-0155	EXCR6-123	1	4	1
	LCS-13-0156	EXCR6-124	1	4	1
	LCS-13-0157	EXCR6-125	1	4	1
	LCS-13-0158	EXCR6-126	1	4	1
	LCS-13-0159	EXCR6-127	1	4	1
	LCS-13-0160	EXCR6-128	1	4	1
	LCS-13-0161	EXCR6-129	1	4	1
	LCS-13-0162	EXCR6-130	1	4	1
	LCS-13-0163	EXCR6-131	1	4	1
	LCS-13-0164	EXCR6-132	1	4	1
	LCS-13-0165	EXCR6-133	1	4	1
	LCS-13-0166	EXCR6-134	1	4	1
	LCS-13-0167	EXCR6-135	1	4	1
	LCS-13-0168	EXCR6-136	1	4	1
	LCS-13-0169	EXCR6-137	1	4	1
	LCS-13-0170	EXCR6-138	1	4	1
	LCS-13-0171	EXCR6-139	1	4	1
	LCS-13-0172	EXCR6-140	1	4	1
	LCS-13-0173	EXCR6-141	1	4	1
	LCS-13-0174	EXCR6-142	1	4	1
	LCS-13-0175	EXCR6-143	1	4	1
	LCS-13-0176	EXCR6-144	1	4	1
	LCS-13-0177	EXCR6-145	1	4	1
	LCS-13-0178	EXCR6-146	1	4	1
	LCS-13-0179	EXCR6-147	1	4	1
	LCS-13-0180	EXCR6-148	1	4	1
	LCS-13-0181	EXCR6-149	1	4	1
	LCS-13-0182	EXCR6-150	1	4	1
	LCS-13-0183	EXCR6-151	1	4	1
	LCS-13-0184	EXCR6-152	1	4	1
	LCS-13-0185	EXCR6-153	1	4	1
	LCS-13-0186	EXCR6-154	1	4	1
	LCS-13-0187	EXCR6-155	1	4	1
	LCS-13-0188	EXCR6-156	1	4	1
	LCS-13-0189	EXCR6-157	1	4	1
	LCS-13-0190	EXCR6-158	1	4	1
	LCS-13-0191	EXCR6-159	1	4	1
	LCS-13-0192	EXCR6-160	1	4	1
	LCS-13-0193	EXCR6-161	1	4	1
	LCS-13-0194	EXCR6-162	1	4	1
	LCS-13-0195	EXCR6-163	1	4	1
	LCS-13-0196	EXCR6-164	1	4	1
	LCS-13-0197	EXCR6-165	1	4	1
	LCS-13-0198	EXCR6-166	1	4	1
	LCS-13-0199	EXCR6-167	1	4	1
	LCS-13-0200	EXCR6-168	1	4	1
	LCS-13-0201	EXCR6-169	1	4	1
	LCS-13-0202	EXCR6-170	1	4	1
	LCS-13-0203	EXCR6-171	1	4	1
	LCS-13-0204	EXCR6-172	1	4	1
	LCS-13-0205	EXCR6-173	1	4	1
	LCS-13-0206	EXCR6-174	1	4	1
	LCS-13-0207	EXCR6-175	1	4	1
	LCS-13-0208	EXCR6-176	1	4	1
	LCS-13-0209	EXCR6-177	1	4	1
	LCS-13-0210	EXCR6-178	1	4	1
	LCS-13-0211	EXCR6-179	1	4	1
	LCS-13-0212	EXCR6-180	1	4	1
	LCS-13-0213	EXCR6-181	1	4	1
	LCS-13-0214	EXCR6-182	1	4	1
	LCS-13-0215	EXCR6-183	1	4	1
	LCS-13-0216	EXCR6-184	1	4	1
	LCS-13-0217	EXCR6-185	1	4	1
	LCS-13-0218	EXCR6-186	1	4	1
	LCS-13-0219	EXCR6-187	1	4	1
	LCS-13-0220	EXCR6-188	1	4	1
	LCS-13-0221	EXCR6-189	1	4	1
	LCS-13-0222	EXCR6-190	1	4	1
	LCS-13-0223	EXCR6-191	1	4	1
	LCS-13-0224	EXCR6-192	1	4	1
	LCS-13-0225	EXCR6-193	1	4	1
	LCS-13-0226	EXCR6-194	1	4	1
	LCS-13-0227	EXCR6-195	1	4	1
	LCS-13-0228	EXCR6-196	1	4	1
	LCS-13-0229	EXCR6-197	1	4	1
	LCS-13-0230	EXCR6-198	1	4	1
	LCS-13-0231	EXCR6-199	1	4	1
	LCS-13-0232	EXCR6-200	1	4	1
	LCS-13-0233	EXCR6-201	1	4	1
	LCS-13-0234	EXCR6-202	1	4	1
	LCS-13-0235	EXCR6-203	1	4	1
	LCS-13-0236	EXCR6-204	1	4	1
	LCS-13-0237	EXCR6-205	1	4	1
	LCS-13-0238	EXCR6-206	1	4	1
	LCS-13-0239	EXCR6-207	1	4	1
	LCS-13-0240	EXCR6-208	1	4	1
	LCS-13-0241	EXCR6-209	1	4	1
	LCS-13-0242	EXCR6-210	1	4	1
	LCS-13-0243	EXCR6-211	1	4	1
	LCS-13-0244	EXCR6-212	1	4	1
	LCS-13-0245	EXCR6-213	1	4	1
	LCS-13-0246	EXCR6-214	1	4	1
	LCS-13-0247	EXCR6-215	1	4	1
	LCS-13-0248	EXCR6-216	1	4	1
	LCS-13-0249	EXCR6-217	1	4	1
	LCS-13-0250	EXCR6-218	1	4	1
	LCS-13-0251	EXCR6-219	1	4	1
	LCS-13-0252	EXCR6-220	1	4	1
	LCS-13-0253	EXCR6-221	1	4	1
	LCS-13-0254	EXCR6-222	1	4	1
	LCS-13-0255	EXCR6-223	1	4	1
	LCS-13-0256	EXCR6-224	1	4	1
	LCS-13-0257	EXCR6-225	1	4	1
	LCS-13-0258	EXCR6-226	1	4	1
	LCS-13-0259	EXCR6-227	1	4	1
	LCS-13-0260	EXCR6-228	1	4	1
	LCS-13-0261	EXCR6-229	1	4	1
	LCS-13-0262	EXCR6-230	1	4	1
	LCS-13-0263	EXCR6-231	1	4	1

CABLE MICROWAVE DETECTOR

CATEGORY	LOCATION	FROM	LOCATION	TO	674.0200 LF
0020	DMS-15-0046	CB2-2	M02-1	452	
			TOTAL	452	

REMOVE AND REINSTALL CABLE

CATEGORY	LOCATION	FROM	LOCATION	TO	674.0400 REINSTALL CABLE LF
0020	DMS-15-0046	954	954	954	
		954	954	954	
		TOTALS		954	

INSTALL FIBER OPTIC CABLE OUTDOOR PLANT B-C-I

CATEGORY	LOCATION	FROM	LOCATION	TO	674.0400 LF
0020	LCS-15-0030	CV1-1	CV1-1	215	
	DMS-15-0046	EXC02-1	EXC02-2	257	
	LCS-15-0026	EXC03-1	EXC03-2	399	
	LCS-15-0026	EXC04-1	EXC04-2	346	
	LCS-15-0024	EXC04-3	EXC04-4	260	
	LCS-15-0023	EXC08-1	EXC08-2	514	
	LCS-15-0026/LCS-15-0022	EXC06-1	EXC06-2	735	
	LCS-15-0037/LCS-15-0021	EXC07-1	EXC07-2	471	
	LCS-15-0029	EXC08-1	EXC08-2	678	
	LCS-15-0040	EXC08-1	EXC08-2	565	
	LCS-15-0044/LCS-15-0047	EXC02-1	EXC02-2	152	
	LCS-15-0044/LCS-15-0046	EXC03-1	EXC03-2	1383	
	LCS-15-0044	EXC03-1	EXC03-2	987	
	LCS-15-0045	EXC04-1	EXC04-2	1076	
	LCS-15-0049/LCS-15-0009	EXC08-1	EXC08-2	534	
	LCS-15-0056/LCS-15-0007	EXC09-1	EXC09-2	298	
	LCS-15-0056/LCS-15-0003	EXC20-1	EXC20-2	403	
	LCS-15-0010	EXC02-1	EXC02-2	862	
	LCS-15-0024/LCS-15-0004	EXC21-1	EXC21-2	166	
	LCS-15-0026/LCS-15-0004	EXC21-1	EXC21-2	1291	
	LCS-15-0026/LCS-15-0003	EXC25-1	EXC25-2	297	
	LCS-15-0026/LCS-15-0002	EXC25-1	EXC25-2	20,279	
		TOTAL		3	

FIBER OPTIC CONNECTOR, 4-CT, B00-F-T

CATEGORY	LOCATION	FROM	TO	SPV0060.00 EACH
0020	LCS-15-0027	EXC04-1	LCS-15-0027	1
	LCS-15-0026	EXC04-1	LCS-15-0026	1
	LCS-15-0023	EXC04-1	LCS-15-0023	1
		TOTAL		3

FIBER OPTIC SPLICE SUMMARY

CATEGORY	LOCATION	EQUIP. LOCATION	STATION	OFFSET	678.0200 FIBER OPTIC SPLICE ENCLOSURE EACH
0020	LCS-15-0030	CV1-1	40+60.4	146.8 RT	4
	DMS-15-0046	EXC02-1	438+97.2	90.8 RT	1
	LCS-15-0026	EXC03-1	468+12.6	338.8 RT	4
	LCS-15-0027/LCS-15-0033/LCS-15-0026	EXC04-1	478+20.0	232.4 LT	6
	LCS-15-0025	EXC04-2	485+51.4	106.0 LT	4
	LCS-15-0024	EXC04-3	485+51.4	106.0 LT	4
	LCS-15-0023	EXC08-1	509+54.4	114.4 LT	4
	EXISTING DMS	EXC06-1	524+06.6	52.4 LT	4
	LCS-15-0049/LCS-15-0009	EXC08-1	561+35.7	143.1 LT	4
	LCS-15-0040	EXC08-1	624+75.2	205.6 LT	4
	LCS-15-0044/LCS-15-0017	EXC02-1	633+60.7	88.5 LT	4
	LCS-15-0044/LCS-15-0016	EXC03-1	633+60.7	88.5 LT	4
	LCS-15-0045	EXC04-1	638+45.5	93.2 LT	4
	LCS-15-0045	EXC04-2	638+45.5	93.2 LT	4
	LCS-15-0049/LCS-15-0009	EXC08-1	688+06.8	261.4 LT	4
	LCS-15-0049/LCS-15-0009	EXC08-1	688+06.8	261.4 LT	4
	LCS-15-0049/LCS-15-0009	EXC08-2	688+06.8	261.4 LT	4
	LCS-15-0049/LCS-15-0009	EXC08-2	688+06.8	261.4 LT	4
	LCS-15-0056/LCS-15-0007	EXC09-1	823+17.1	233.8 LT	4
	LCS-15-0056/LCS-15-0006	EXC20-1	845+27.5	100.2 LT	4
	LCS-15-0056/LCS-15-0005	EXC22-1	862+28.5	162.7 LT	4
	LCS-15-0056/LCS-15-0003	EXC25-1	900+49.2	93.7 LT	6
	LCS-15-0001	EXC02-1	920+83.2	106.1 LT	6
		TOTALS		27	32

INSTALL CONDUIT INTO EXISTING ITEM

CATEGORY	LOCATION	EQUIP. LOCATION	STATION	OFFSET	652.0000 CONDUIT EACH
0020	LCS-15-0033	EXC02-1	488+97.2	90.8 RT	2
	LCS-15-0028	EXC03-2	468+12.6	138.8 RT	1
	LCS-15-0027	EXC03-5	477+71.9	98.4 LT	1
	LCS-15-0026/LCS-15-0033	EXC04-1	478+20.0	220.5 LT	1
	LCS-15-0026/LCS-15-0033	EXC04-4	484+02.8	85.9 LT	1
	LCS-15-0026/LCS-15-0033	EXC04-5	505+51.4	114.1 LT	1
	LCS-15-0025	EXC04-2	509+54.4	114.1 LT	1
	LCS-15-0023	EXC08-1	524+06.6	92.7 LT	1
	LCS-15-0036/LCS-15-0022	EXC06-1	544+06.6	92.7 LT	1
	EXISTING DMS	EXC06-1	544+06.6	92.7 LT	1
	LCS-15-0037/LCS-15-0021	EXC07-2	561+35.7	98.5 LT	1
	LCS-15-0029	EXC08-2	624+75.2	224.1 LT	2
	LCS-15-0049	EXC08-2	633+60.7	305.3 LT	1
	LCS-15-0044	EXC02-1	633+60.7	305.3 LT	1
	LCS-15-0044	EXC03-1	633+60.7	305.3 LT	1
	LCS-15-0045	EXC04-1	638+45.5	388.7 RT	1
	LCS-15-0049/LCS-15-0009	EXC08-1	688+06.8	261.4 LT	1
	LCS-15-0049/LCS-15-0009	EXC08-2	688+06.8	261.4 LT	1
	LCS-15-0049/LCS-15-0009	EXC08-2	688+06.8	261.4 LT	1
	LCS-15-0049/LCS-15-0009	EXC08-2	688+06.8	261.4 LT	1
	LCS-15-0056/LCS-15-0007	EXC09-1	823+17.1	233.8 LT	1
	LCS-15-0056/LCS-15-0006	EXC20-1	845+27.5	100.2 LT	1
	LCS-15-0056/LCS-15-0005	EXC22-1	862+28.5	162.7 LT	1
	LCS-15-0056/LCS-15-0003	EXC25-1	900+49.2	93.7 LT	1
	LCS-15-0001	EXC02-1	920+83.2	106.1 LT	1
		TOTALS		44	44

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 813
 November 25, 2020

Addendum No. 01
ID 1206-06-79
Revised Sheet 814
November 25, 2020

REMOVING FTMS ITEMS

204-0085	204-0085	204-0085	204-0085
REMOVING	REMOVING	REMOVING	REMOVING
CONCRETE	BASES	BASES	EMERALD POLE
EACH	EACH	EACH	EACH
0020	603+02	1	1

SALVAGE MICROWAVE DETECTOR EQUIPMENT

CATEGORY	STATION	OFFSET	SPV.0080.58
			EACH
0020	416+22	62RT	2
	441+10	64LT	2
	504+20	64LT	1
	598+53	89LT	1
	603+02	79RT	1
	637+20	81LT	1
	651+00	84RT	2
	705+38	74LT	2
	752+39	80LT	2
	875+66	67RT	2
	TOTAL		20

CONDUIT ROUTING, VERONA ROAD

CATEGORY	LOCATION	SPV.0005.03	SPV.0005.04
		CONDUIT	CONDUIT
		(VERONA ROAD EAST)	(VERONA ROAD WEST)
		U.S.	U.S.
0020	LCS-13-0027	1	1
	LCS-13-0026 & LCS-13-0033	1	1

RELOCATE BUZZEARTH DETECTOR ASSEMBLY

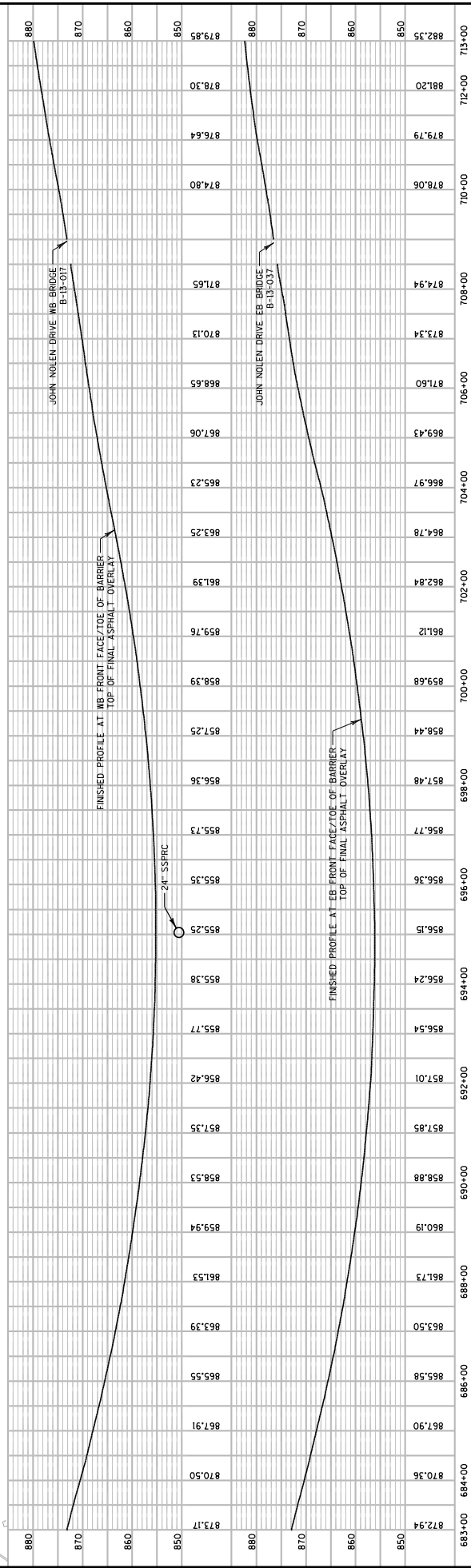
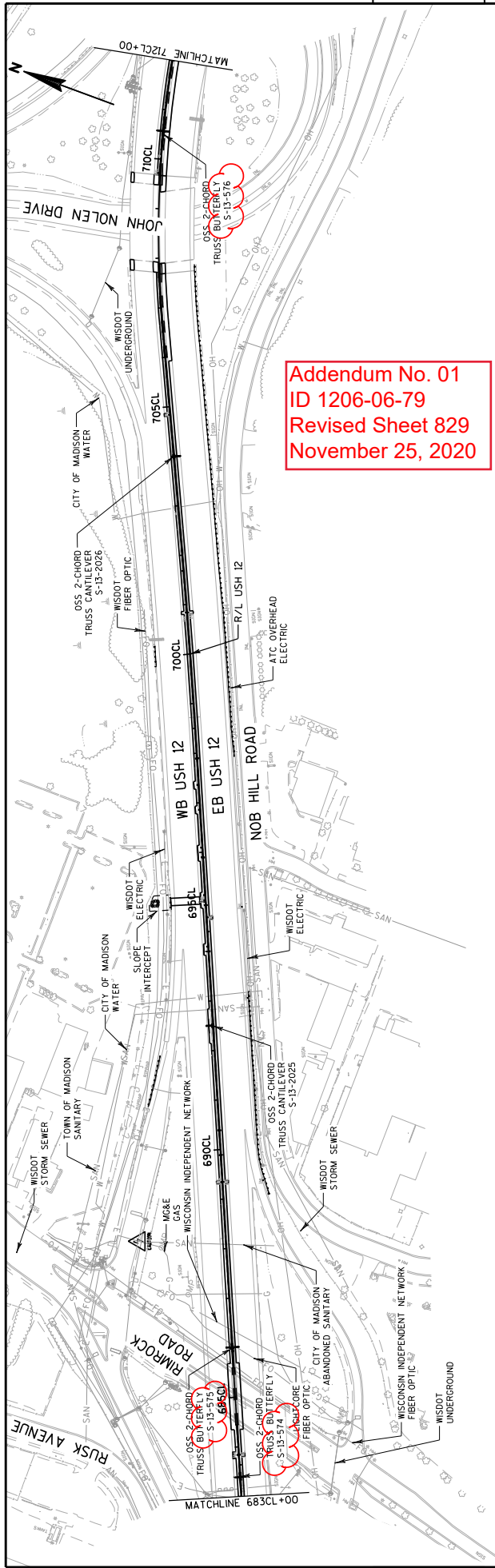
CATEGORY	STATION	OFFSET	SPV.0005.06
			U.S.
0020	586+30	77RT	1

LOOP DETECTOR SCHEDULE

LOOP	RUN PB	LOCATION	CONDUIT	LOOP DETECTOR	655.0800
			TYPE		LF
0020	PRB-9	FISH HATCHERY EB OFF-RAMP	36	132	
	PRB-9	FISH HATCHERY EB OFF-RAMP	36	132	
	TOTALS		72	264	

DYNAMIC MESSAGE SIGN SUMMARY

678.0005	SPV.0060.56	INSTALL OVERHEAD	INSTALL	INSTALL	INSTALL
FULL MATRIX	SIGN (LCS)	LA	LA	LA	LA
EACH	EACH	EACH	EACH	EACH	EACH
0020	LCS-13-0030	1			
	LCS-13-0031		1		
	LCS-13-0032			1	
	LCS-13-0033				1
	LCS-13-0034				
	LCS-13-0035				
	LCS-13-0036				
	LCS-13-0037				
	LCS-13-0038				
	LCS-13-0039				
	LCS-13-0040				
	LCS-13-0041				
	LCS-13-0042				
	LCS-13-0043				
	LCS-13-0044				
	LCS-13-0045				
	LCS-13-0046				
	LCS-13-0047				
	LCS-13-0048				
	LCS-13-0049				
	LCS-13-0050				
	LCS-13-0051				
	LCS-13-0052				
	LCS-13-0053				
	LCS-13-0054				
	LCS-13-0055				
	LCS-13-0056				
	LCS-13-0057				
	LCS-13-0058				
	LCS-13-0059				
	LCS-13-0060				
	LCS-13-0061				
	LCS-13-0062				
	LCS-13-0063				
	LCS-13-0064				
	LCS-13-0065				
	LCS-13-0066				
	LCS-13-0067				
	LCS-13-0068				
	LCS-13-0069				
	LCS-13-0070				
	LCS-13-0071				
	LCS-13-0072				
	LCS-13-0073				
	LCS-13-0074				
	LCS-13-0075				
	LCS-13-0076				
	LCS-13-0077				
	LCS-13-0078				
	LCS-13-0079				
	LCS-13-0080				
	LCS-13-0081				
	LCS-13-0082				
	LCS-13-0083				
	LCS-13-0084				
	LCS-13-0085				
	LCS-13-0086				
	LCS-13-0087				
	LCS-13-0088				
	LCS-13-0089				
	LCS-13-0090				
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	LCS-13-0092				
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	LCS-13-0295				



STATIONING	ELEVATION	DESCRIPTION
683+00	872.94	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
684+00	870.36	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
685+00	867.90	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
686+00	865.58	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
687+00	863.50	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
688+00	861.73	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
689+00	859.94	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
690+00	858.88	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
691+00	857.85	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
692+00	857.35	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
693+00	856.42	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
694+00	855.77	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
695+00	855.24	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
696+00	855.15	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
697+00	855.36	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
698+00	856.77	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
699+00	857.48	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
700+00	858.44	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
701+00	859.68	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
702+00	861.12	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
703+00	862.84	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
704+00	864.78	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
705+00	866.97	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
706+00	869.43	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
707+00	871.60	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
708+00	873.34	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
709+00	874.94	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
710+00	876.06	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
711+00	876.79	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
712+00	876.30	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY
713+00	874.35	FINISHED PROFILE AT EB FRONT FACE/TOE OF BARRIER - TOP OF FINAL ASPHALT OVERLAY

PROJECT NO: 1206-06-79
 COUNTY: DANE
 HWY: USH 12
 PLAN AND PROFILE: USH 12
 SHEET 829
 WISDOT/CADD SHEET 40

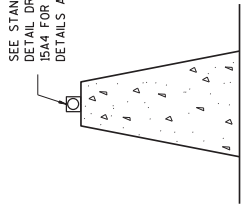
FILE NAME : J:\66034\1206-06-79_HSRV1\cadd\050111.dwg
 PLOT DATE : 11/23/2020 10:19:42 AM
 PLOT BY : ctoresck
 PLOT SCALE : 200:1

GENERAL NOTES

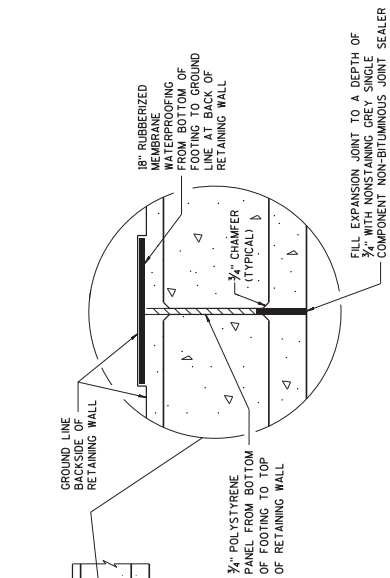
- PROVIDE EXPANSION JOINTS WHERE THERE ARE EXISTING EXPANSION JOINTS OR AT THE END OF EACH POUR.
- NO HORIZONTAL STEEL CROSSES EXPANSION JOINTS.
- CONSTRUCT PER STANDARD SPECIFICATION 603.
- SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASETENED TOGETHER UNLESS NOTED OTHERWISE.
- 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS 501.
- USE 3/4" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS NOTED OTHERWISE.
- ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2' INCHES CLEAR.

Addendum No. 01
ID 1206-06-79
Added Sheet 924A
November 25, 2020

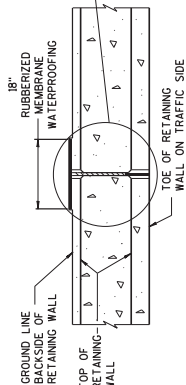
SEE STANDARD
DETAIL DRAWING
1544 FOR DELINEATOR
DETAILS AND SPACING



DELINEATION



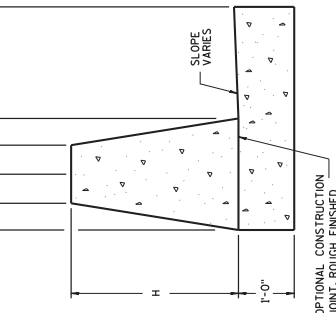
**VERTICAL EXPANSION JOINT
PLAN VIEW**



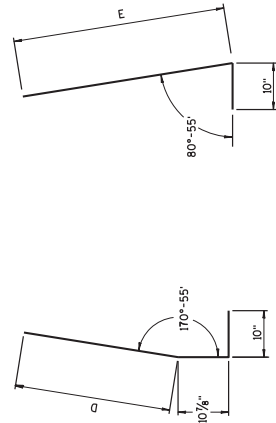
FILL EXPANSION JOINT TO A DEPTH OF 1/2" WITH POLYSTYRENE INSULATION AND SINGLE SEALER COMPONENT ON BOTH SIDINGS JOINT FROM TOE OF RETAINING WALL TO TOP OF RETAINING WALL

BARRIER WALL DIMENSIONS

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
32	7	5	8
36	6 1/4	5 1/4	8
42	5 1/4	6 3/4	10
56	3	9	11



ROADSIDE RETAINING WALL

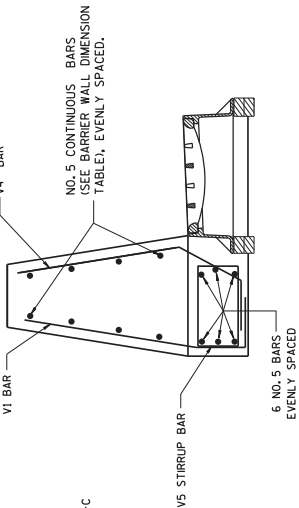


V1 BAR BENDING DETAIL

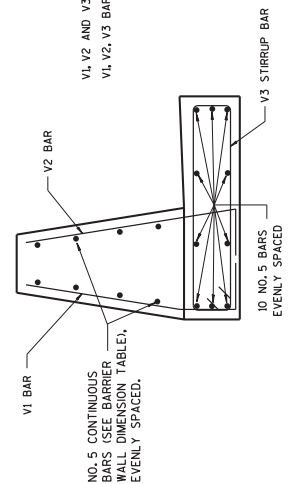
V2 BAR BENDING DETAIL

**BAR CHART
ROADSIDE RETAINING WALL**

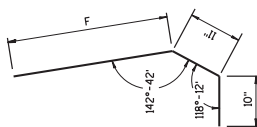
BARRIER HEIGHT	V1 BAR D	V2 BAR E	V4 BAR F
32"	2'-5 1/2"	3'-4 1/2"	2'-6 1/2"
36"	2'-9 1/2"	3'-9 3/4"	2'-10 3/4"
42"	3'-3 1/2"	4'-2 1/2"	3'-4 3/4"
56"	4'-5 1/2"	5'-4 3/4"	4'-6 3/4"



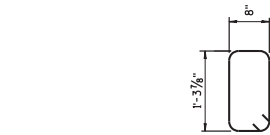
**ROADSIDE RETAINING WALL
BAR PLACEMENT NEAR
INLET**



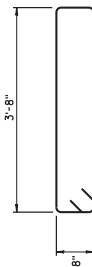
**ROADSIDE RETAINING WALL
NORMAL BAR PLACEMENT**



V4 BAR BENDING DETAIL

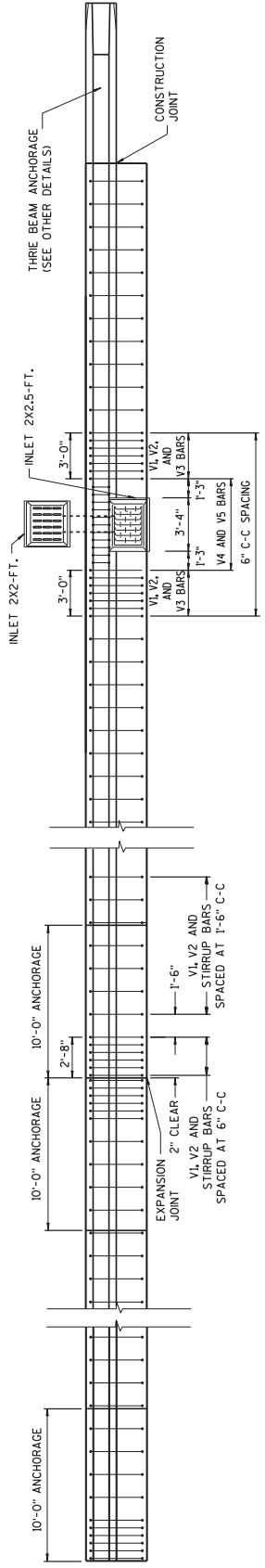


V5 STIRRUP BAR BENDING DETAIL



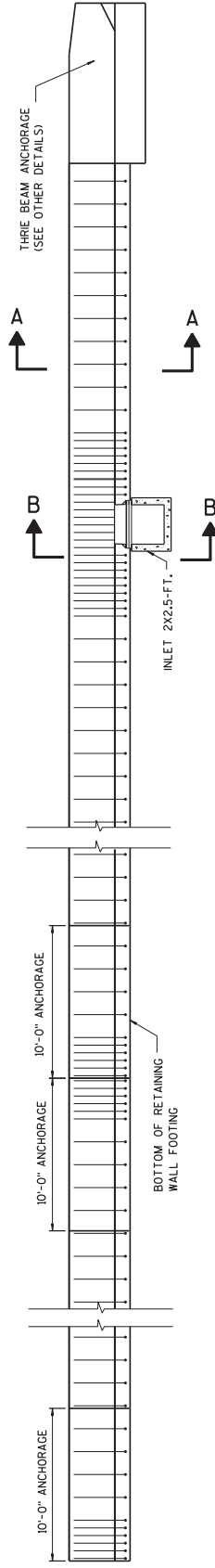
V3 STIRRUP BAR BENDING DETAIL

**SINGLE SLOPE
ROADSIDE RETAINING WALL**
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



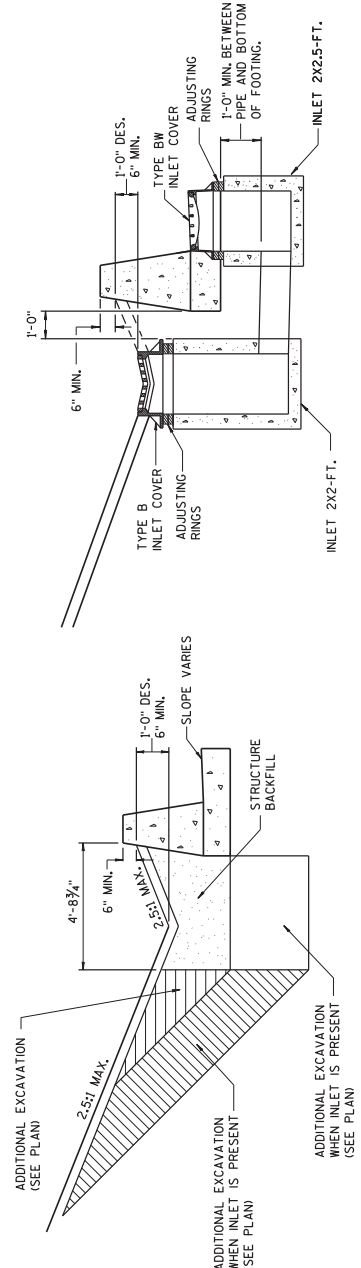
PLAN VIEW

NOTE: HORIZONTAL BARS ARE NOT SHOWN. SEE OTHER DETAILS FOR HORIZONTAL BARS.



ELEVATION VIEW

NOTE: HORIZONTAL BARS ARE NOT SHOWN. SEE OTHER DETAILS FOR HORIZONTAL BARS.



SECTION A-A

SECTION B-B

Addendum No. 01
 ID 1206-06-79
 Added Sheet 924B
 November 25, 2020

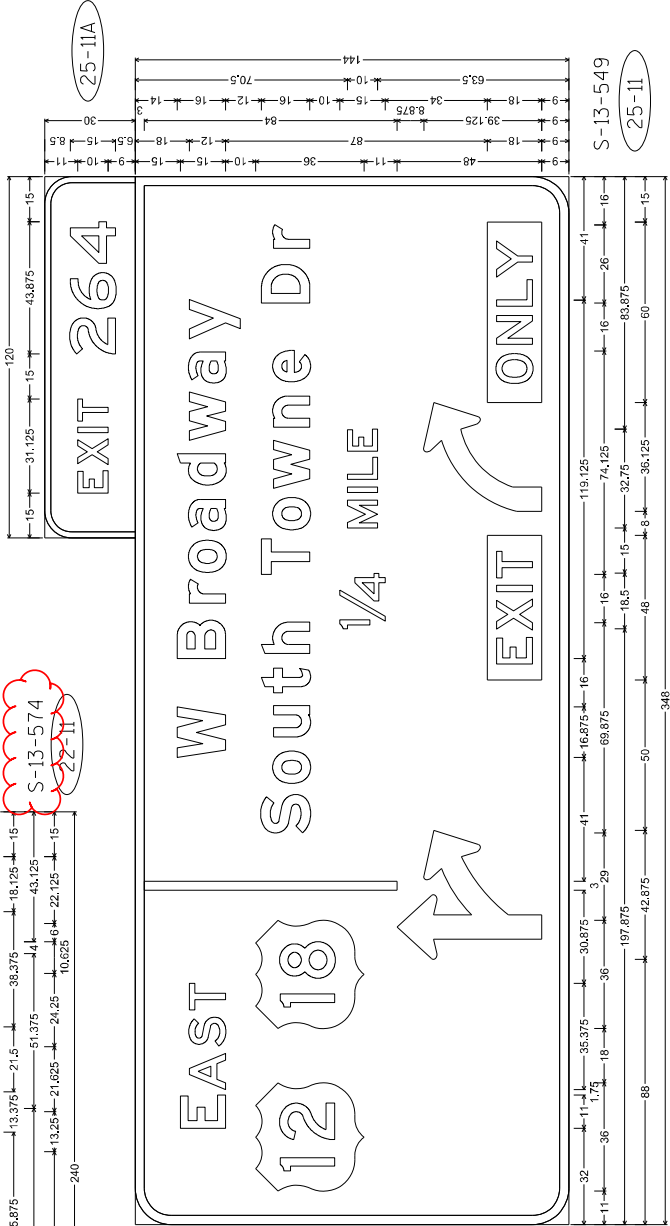
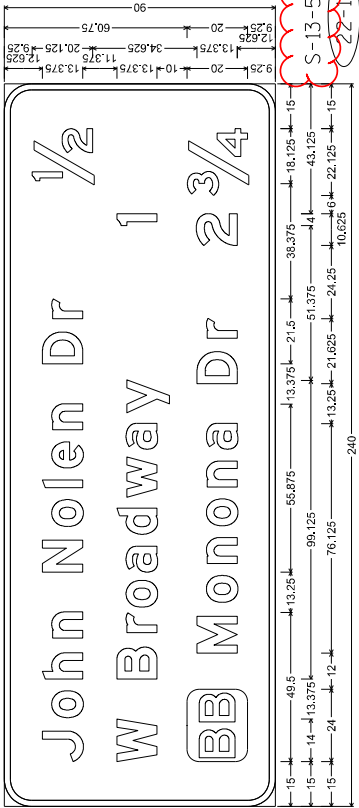
MINIMUM DESIGN OF EARTH WORK

S.D.D. 14 B 41-3b	
SINGLE SLOPE ROADSIDE RETAINING WALL	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	/s/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
DATE	June 2017
FHWA	

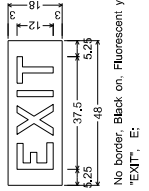
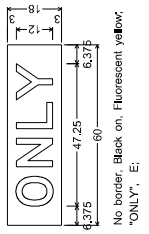
MINIMUM DESIGN OF EARTH WORK FOR INLET

NOTES

- 1. All Signs Type I - Type SH Reflective
- 2. Color:
 - Background - Green
 - Message - White
- 3. Message Series - E Modified except all CAP words Series E
- 4. EXIT and ONLY Plaque on Yellow Type F Reflective Sheeting with Black Non-Reflective Message

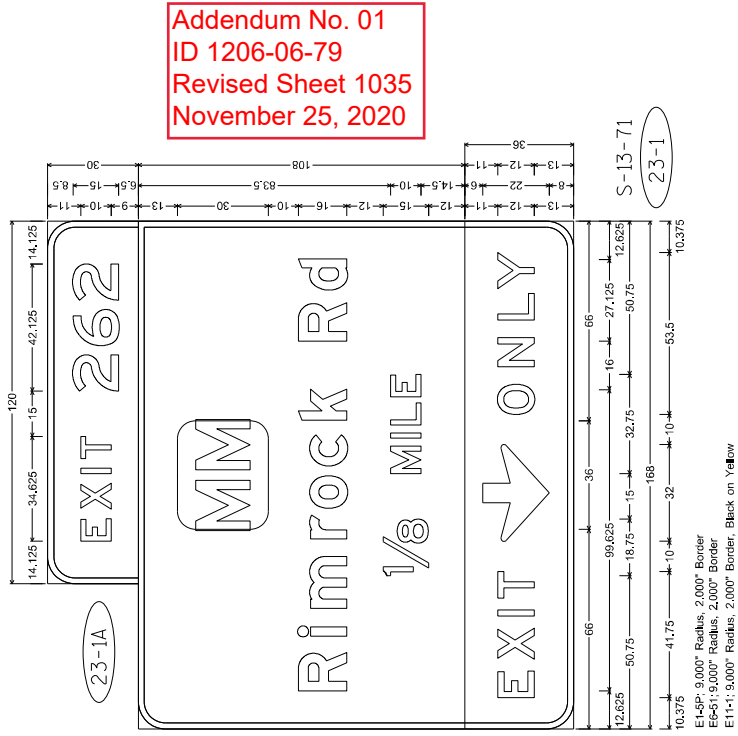
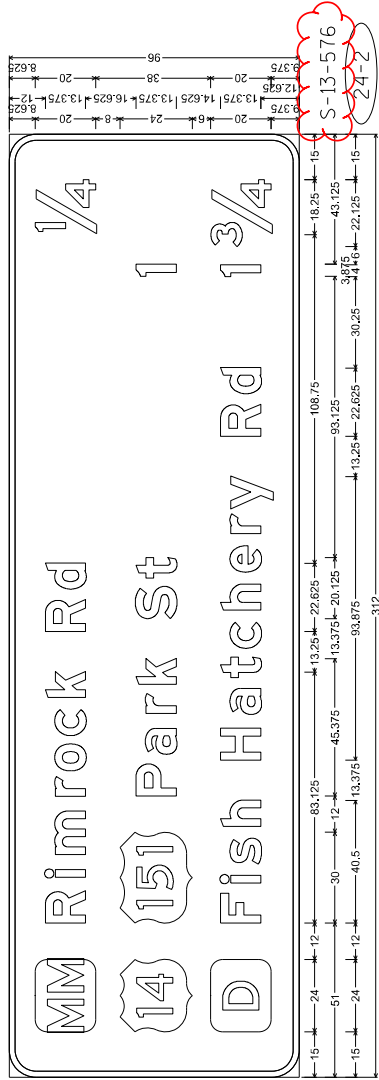
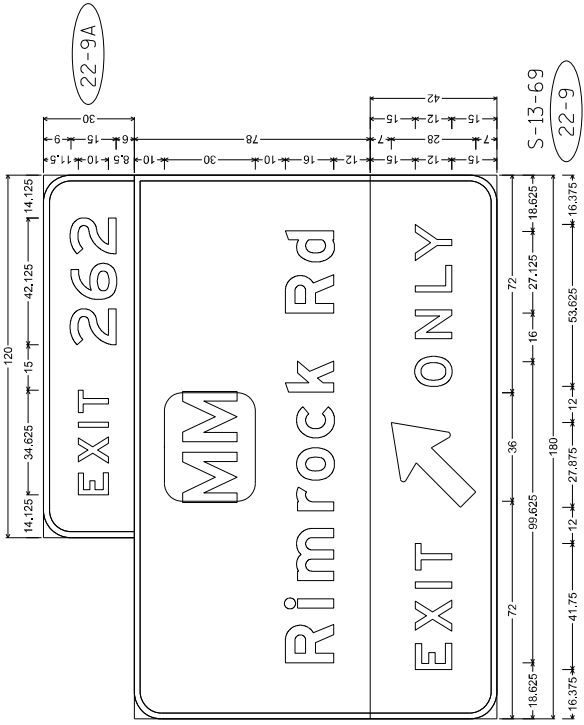


Addendum No. 01
ID 1206-06-79
Revised Sheet 1023
November 25, 2020



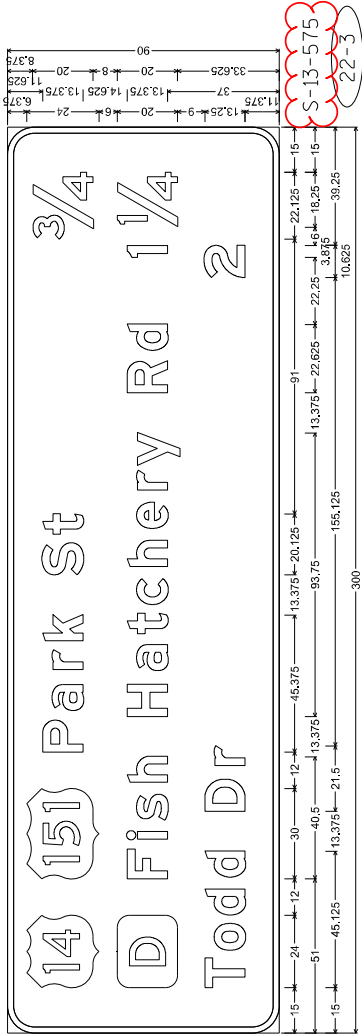
NOTES

- All Signs Type I - Type SH Reflective
- Color:
Background - Green
Message - White
- Message Series - E Modified except all CAP words Series E
- EXIT ONLY Panel on Yellow Type F Reflective Sheeting with Black Non-Reflective Message

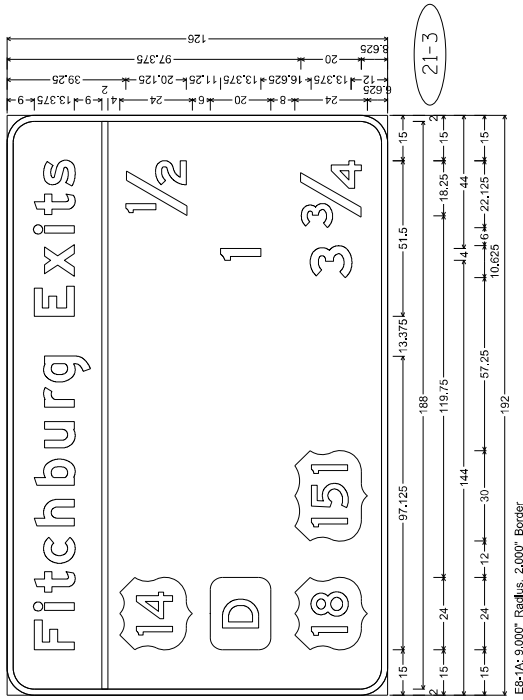


NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
Background - Green
Message - White
3. Message Series - E Modified except all CAP words Series E



E8-1A 9.000" Radius, 2.000" Border



E8-1A 9.000" Radius, 2.000" Border

Addendum No. 01
ID 1206-06-79
Revised Sheet 1037
November 25, 2020

TRAFFIC VOLUME
A.D.T. (2036) = 139,650-164,190
R.D.S. = 60 MPH

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS
WHICH ARE TO BE 12" IN DIAMETER AND 24" GRANULAR SOILS, OR
PH-ANGLE GREATER THAN OR EQUAL TO 24".
A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF
(COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND
WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF
1.5 FEET BELOW THE FOUNDATION. ALL FOUNDATIONS SHALL BE
MADE BY THE BEST AVAILABLE METHODS. ENGINEER SHALL VISUALLY
INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT
HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE
DRILLED SHAFT CONCRETE.

MATERIAL PROPERTIES

CONCRETE MASONRY.....fc = 3,500 psi
HIGH STRENGTH STEEL.....fy = 60,000 psi
REINFORCEMENT, GRADE 60.....fy = 36,000 psi
PLATE AND BARS - ASTM A709 GRADE 36.....fy = 46,000 psi
CHORDS & COLUMN PIPE - ASTM A500 GRADE C.....fy = 92,000 psi
HIGH STRENGTH BOLTS - A325.....fy = 55,000 psi
ANCHOR RODS - ASTM F1554 GRADE 55.....fy = 92,000 psi
HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A
WASHERS FOR ANCHOR RODS - ASTM F436

LIST OF DRAWINGS

- GENERAL NOTES, DESIGN DATA & QUANTITIES
- GENERAL LAYOUT S-13-529
- GENERAL LAYOUT S-13-530
- GENERAL LAYOUT S-13-531
- GENERAL LAYOUT S-13-532
- GENERAL LAYOUT S-13-533
- GENERAL LAYOUT S-13-534
- GENERAL LAYOUT S-13-535
- GENERAL LAYOUT S-13-536
- GENERAL LAYOUT S-13-537
- GENERAL LAYOUT S-13-538
- GENERAL LAYOUT S-13-539
- GENERAL LAYOUT S-13-540
- BUTTERFLY DETAILS 1
- FOUNDATION DETAILS 2

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
ALTERNATE DESIGNS ARE NOT ALLOWED.
COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY
COORDINATE SYSTEM (WCCS), DANE COUNTY ZONE, MAD 83 (200). ALL STATIONS
AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH
AMERICAN VERTICAL DATUM NAVD 83 (200).
ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A
THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK
SIGNIFIES THE BAR SIZE.
SIGN BRIDGE ID PLACQUES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM
"BUTTERFLY 4-CHORD NS S-13-53X" OR "BUTTERFLY 2-CHORD NS S-13-53X"
FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID
PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE
SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN
ACCORDANCE WITH SDOT 12 A 4-3.
UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS
SHALL BE MADE WITH 7/8" DIA. A325 GALVANIZED BOLTS. FIELD CONNECTIONS
SHALL BE INSTALLED WITH DTI WASHERS.
WELD TEST AS PER AWS D11.

STRUCTURE DATA

STRUCTURE	CATEGORY	ACTUAL SIGN HEIGHT
S-13-529	0190	7'-6"
S-13-530	0200	7'-6"
S-13-531	0210	7'-6"
S-13-532	0220	7'-6"
S-13-533	0230	7'-6"
S-13-534	0240	7'-6"
S-13-535	0250	7'-6"
S-13-536	0260	7'-6"
S-13-537	0270	7'-6"
S-13-538	0280	7'-6"
S-13-540	0290	7'-6"

ALL STRUCTURES IN THIS GROUP OF STRUCTURES ARE DESIGNED FOR THE
DESIGN SIGN LOADING

DESIGN DATA

DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL
SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION
AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL.
STANDARD FOUNDATIONS DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN
SPECIFICATIONS, 8TH EDITION.
DEAD LOAD:
ICE LOAD:
WIND PRESSURE:
1700 YEAR MEAN RECURRENCE INTERVAL

WIND COMPONENTS

NORMAL	TRANSVERSE
LOAD CASE 1: 1.00	0.00
LOAD CASE 2: 0.00	1.00
LOAD CASE 3: 0.15	0.15

LOAD COMBINATIONS

STRENGTH I:
EXTREME I - MN DCI:
SERVICE I:
FATIGUE I:
1.25 DC + 1.6 LL
0.9 DC + 1.0 W
1.0 DC + 1.0 W
1.0 WIND NATURAL WIND GUST VIBRATION
1.0 TRG (TRUCK INDUCED GUST VIBRATION)
1.0 GW (GALLOPING - CANTILEVER ONLY)

TOTAL ESTIMATED QUANTITIES

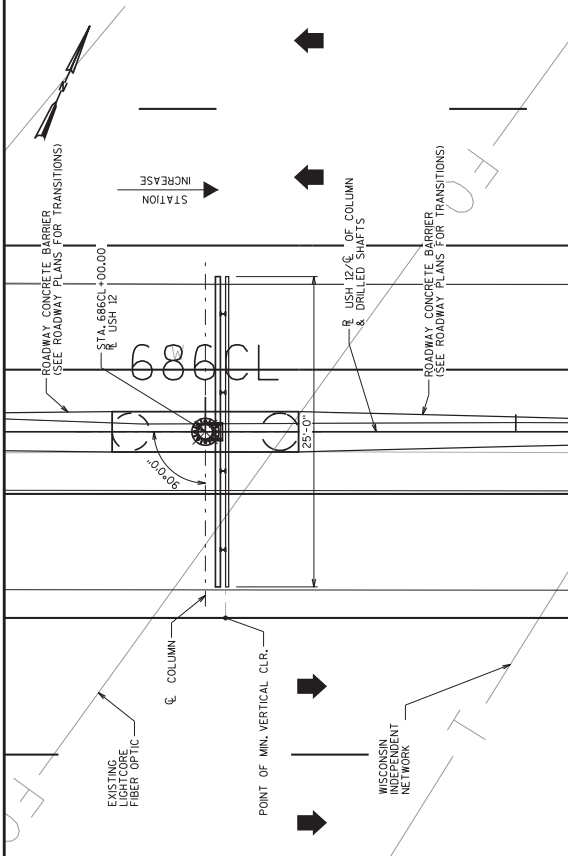
BID ITEM NO.	BID ITEMS	UNIT	S-13-529	S-13-530	S-13-531	S-13-532	S-13-533	S-13-534	S-13-535	S-13-536	S-13-537	S-13-538	S-13-539	S-13-540
502.220	PIGMENTED SURFACE SEALER	SY	21	21	24	21	21	21	21	21	21	21	21	21
531.000	CONCRETE MASONRY ANCHOR STRUCTURES TYPE NS	CY	20	20	23	20	20	20	20	20	20	20	20	20
531.040	STEEL REINFORCEMENT NS ANCHOR STRUCTURES TYPE NS	LB	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540
531.060	STEEL REINFORCEMENT HS COATED ANCHOR STRUCTURES TYPE NS	LB	1670	1650	2020	1650	1670	1650	2230	1660	1650	1650	1650	1660
532.2036	DRILLING SHAFT 36-INCH	LF	32	32	32	32	32	32	32	32	32	32	32	32
532.5040.16	BUTTERFLY 4-CHORD NS S-13-529	EA	1	--	--	--	--	--	--	--	--	--	--	--
532.5040.17	BUTTERFLY 4-CHORD NS S-13-530	EA	--	1	--	--	--	--	--	--	--	--	--	--
532.5040.18	BUTTERFLY 4-CHORD NS S-13-531	EA	--	--	1	--	--	--	--	--	--	--	--	--
532.5040.19	BUTTERFLY 4-CHORD NS S-13-532	EA	--	--	--	1	--	--	--	--	--	--	--	--
532.5020.68	BUTTERFLY 2-CHORD NS S-13-574	EA	--	--	--	--	1	--	--	--	--	--	--	--
532.5020.69	BUTTERFLY 2-CHORD NS S-13-575	EA	--	--	--	--	--	1	--	--	--	--	--	--
532.5020.70	BUTTERFLY 2-CHORD NS S-13-576	EA	--	--	--	--	--	--	1	--	--	--	--	--
532.5040.23	BUTTERFLY 4-CHORD NS S-13-536	EA	--	--	--	--	--	--	--	1	--	--	--	--
532.5040.24	BUTTERFLY 2-CHORD NS S-13-537	EA	--	--	--	--	--	--	--	--	1	--	--	--
532.5040.25	BUTTERFLY 4-CHORD NS S-13-539	EA	--	--	--	--	--	--	--	--	--	1	--	--
532.5020.26	BUTTERFLY 2-CHORD NS S-13-540	EA	--	--	--	--	--	--	--	--	--	--	1	--

Addendum No. 01
ID 1206-06-79
Revised Sheet 1079
November 25, 2020

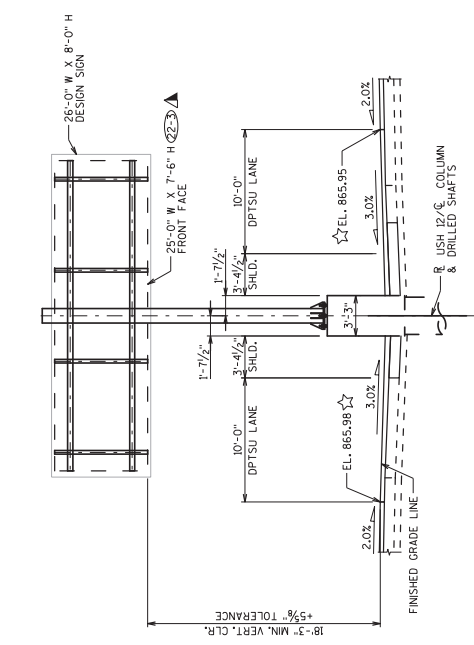


11/25/20
SDR

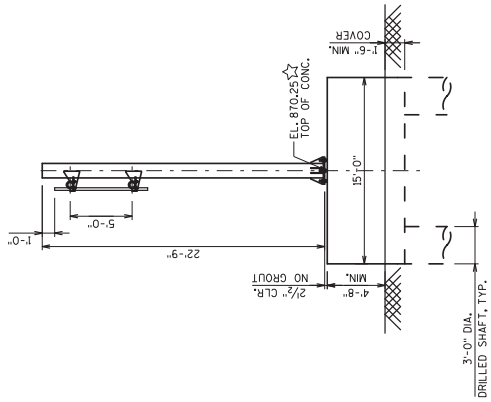
STATE PROJECT NUMBER
1206-06-79



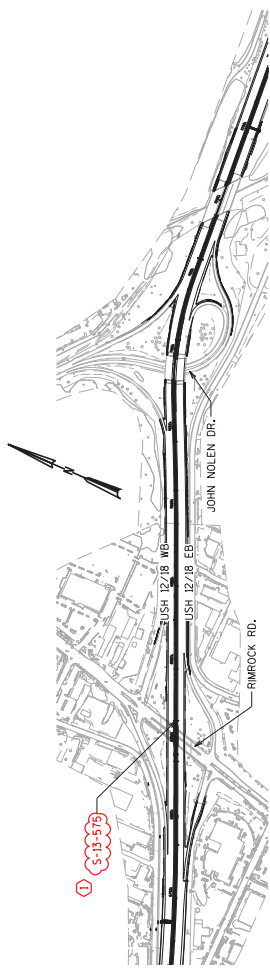
PLAN



ELEVATION
STA. 686CL+00.00
(LOOKING SOUTH)



SIDE VIEW
(LOOKING SOUTH)



LOCATION MAP

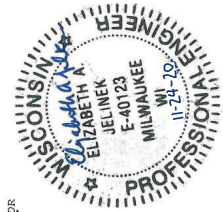
Addendum No. 01
ID 1206-06-79
Revised Sheet 1085
November 25, 2020

NOTE
POINT OF MIN. VERTICAL CLEARANCE
STA. 686CL+01.60, 15.00 (RIGHT)
EL. 865.95

LEGEND

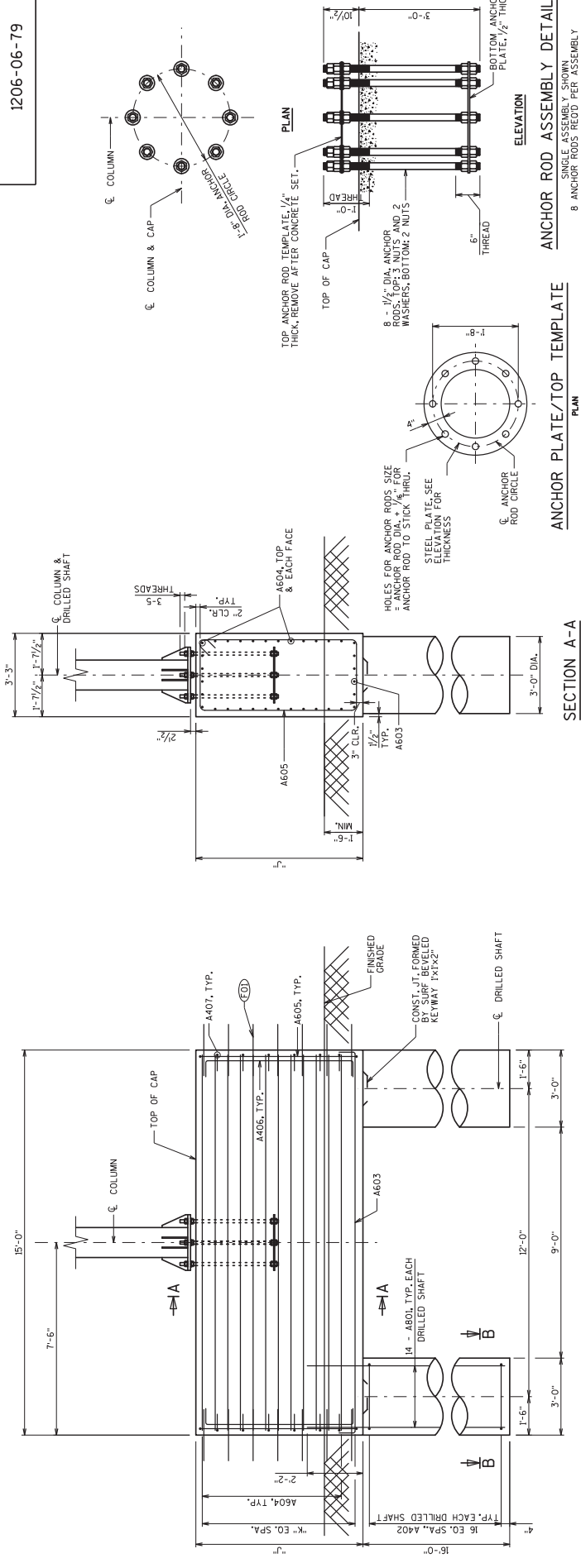
- SIGN NUMBERS (PERMANENT SIGNING PLAN)
- ☆ ELEVATIONS GIVEN ALONG CL. COLUMN
- ▲ CENTERED ON COLUMN & CENTERED VERTICALLY BETWEEN CHORDS

[Signature]
11/25/20



NO.	DATE	STR. NUMBERING	ADDENDUM	E.A.J.	BY
1	11/24/20				
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION					
STRUCTURE S-13-575					
DRAWN BY: E.A.J.					
CHECKED BY: D.T.C.					
SHEET 7 OF 15					
GENERAL LAYOUT S-13-575					
1085					

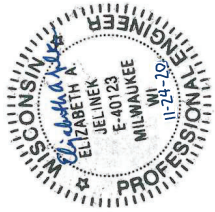
STATE PROJECT NUMBER
1206-06-79



FOUNDATION & REINFORCING DATA

STRUCTURE	"J" TYPE	"K" TYPE
S-13-529	6'-5"	12 C
S-13-530	6'-5"	12 A
S-13-531	8'-2"	16 D
S-13-532	6'-4"	12 B
S-13-533	6'-5"	12 C
S-13-534	6'-5"	12 A
S-13-535	9'-4"	18 E
S-13-536	6'-4"	12 B
S-13-537	6'-3"	12 A
S-13-538	6'-3"	12 A
S-13-539	6'-3"	12 A
S-13-540	6'-4"	12 B

Addendum No. 01
ID 1206-06-79
Revised Sheet 1092
November 25, 2020



SDR
11/25/20

STR. NUMBERING ADDENDUM

NO.	DATE	REVISION	E.A.J.
1	11/24/20	REVISED	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

OSS BUTTERFLY STATIC SIGNS

NO.	DATE	REVISION	E.A.J.
1	11/24/20	REVISED	BY

FOUNDATION
DETAILS 1

1092

SHEET 14 OF 15

PLOT SCALE : 4:1

NOTES

1. CENTER ANCHOR ROD ASSEMBLY AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED ON PLAN. ANCHOR ROD ASSEMBLY SHALL BE PROTECTED FROM ANY POINT DURING AND AFTER CONCRETE POURING. SET DOWEL BARS IN CONCRETE AT THE CORNER OF CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

2. 1" DIA. SMOOTH STEEL DOWEL BARS @ 1'-0" O.C. 2'-0" LONG, CENTERED IN CAP, PROVIDE DOWEL BARS AT BOTH ENDS OF CAP. PROVIDE BOND BREAKER ON PORTION OF DOWEL BARS EXPOSED TO MASONRY. PROVIDE BOND BREAKER ON PORTION OF DOWEL BARS EXPOSED TO MASONRY. PROVIDE BOND BREAKER ON PORTION OF MASONRY ANGLARY STRUCTURES TYPE NS.

LEGEND

⊕ 1" DIA. SMOOTH STEEL DOWEL BARS @ 1'-0" O.C. 2'-0" LONG, CENTERED IN CAP, PROVIDE DOWEL BARS AT BOTH ENDS OF CAP. PROVIDE BOND BREAKER ON PORTION OF DOWEL BARS EXPOSED TO MASONRY. PROVIDE BOND BREAKER ON PORTION OF MASONRY ANGLARY STRUCTURES TYPE NS.

PLAN

SECTION B-B

TYPICAL FOR EACH DRILLED SHAFT FOOTING

SECTION A-A

Addendum No. 01
ID 1206-06-79
Revised Sheet 1196
November 25, 2020

DIVISION 1 - CL (MEDIAN) (CONT.)

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Cut	Fill	Cut	Fill	
581+00	58100.00	50.00	30.02	0.00	52.65	0.00	520.97	0.00	5620.97
581+50	58150.00	50.00	2.83	0.00	30.42	0.00	5651.39	0.00	5651.39
582+00	58200.00	50.00	28.91	0.00	29.39	0.00	5680.78	0.00	5680.78
582+50	58250.00	50.00	29.72	0.00	54.29	0.00	5735.07	0.00	5735.07
583+00	58300.00	50.00	28.32	0.00	53.74	0.00	5788.81	0.00	5788.81
583+50	58350.00	50.00	28.37	0.00	52.49	0.00	5841.30	0.00	5841.30
584+00	58400.00	50.00	27.71	0.00	51.93	0.00	5893.22	0.00	5893.22
584+50	58450.00	50.00	26.62	0.00	50.31	0.00	5943.53	0.00	5943.53
585+00	58500.00	50.00	23.59	0.00	46.49	0.00	5990.02	0.00	5990.02
585+50	58550.00	50.00	24.31	0.00	44.35	0.00	6034.37	0.00	6034.37
586+00	58600.00	50.00	23.06	0.00	43.86	0.00	6078.23	0.00	6078.23
586+50	58650.00	50.00	22.30	0.00	42.00	0.00	6120.23	0.00	6120.23
587+00	58700.00	50.00	23.33	0.00	42.25	0.00	6162.48	0.00	6162.48
587+50	58750.00	50.00	23.21	0.00	43.09	0.00	6205.58	0.00	6205.58
588+00	58800.00	50.00	23.34	0.00	43.10	0.00	6248.68	0.00	6248.68
588+50	58850.00	50.00	23.96	0.00	43.80	0.00	6292.47	0.00	6292.47
589+00	58900.00	50.00	23.93	0.00	44.34	0.00	6336.82	0.00	6336.82
589+50	58950.00	50.00	25.12	0.00	45.42	0.00	6382.23	0.00	6382.23
590+00	59000.00	50.00	23.52	0.00	45.04	0.00	6427.27	0.00	6427.27
590+50	59050.00	50.00	24.21	0.00	44.19	0.00	6471.47	0.00	6471.47
591+00	59100.00	50.00	23.48	0.00	44.16	0.00	6515.62	0.00	6515.62
591+50	59150.00	50.00	24.43	0.00	44.36	0.00	6559.98	0.00	6559.98
592+00	59200.00	50.00	24.88	0.00	45.66	0.00	6605.64	0.00	6605.64
592+50	59250.00	50.00	25.21	0.00	46.38	0.00	6652.02	0.00	6652.02
593+00	59300.00	50.00	28.02	0.00	49.29	0.00	6701.31	0.00	6701.31
593+50	59350.00	50.00	28.56	0.00	52.39	0.00	6753.70	0.00	6753.70
594+00	59400.00	50.00	26.88	0.00	51.33	0.00	6805.03	0.00	6805.03
594+50	59450.00	50.00	26.05	0.00	49.01	0.00	6854.04	0.00	6854.04
595+00	59500.00	50.00	25.34	0.00	47.58	0.00	6901.62	0.00	6901.62
595+50	59550.00	50.00	26.41	0.00	47.92	0.00	6949.54	0.00	6949.54
596+00	59600.00	50.00	23.91	0.00	46.59	0.00	6996.13	0.00	6996.13
596+50	59650.00	50.00	25.42	0.00	45.68	0.00	7041.81	0.00	7041.81
597+00	59700.00	40.00	27.10	0.00	38.90	0.00	7080.71	0.00	7080.71
597+50	59750.00	10.00	26.92	0.00	10.00	0.00	7090.72	0.00	7090.72
598+00	59800.00	50.00	26.66	0.00	49.61	0.00	7140.33	0.00	7140.33
598+50	59850.00	50.00	25.09	0.00	47.92	0.00	7188.24	0.00	7188.24
599+00	59900.00	50.00	24.45	0.00	45.87	0.00	7234.11	0.00	7234.11
599+50	59950.00	50.00	24.59	0.00	45.41	0.00	7279.52	0.00	7279.52
600+00	60000.00	50.00	24.48	0.00	45.44	0.00	7324.96	0.00	7324.96
600+50	60050.00	50.00	22.01	0.00	43.05	0.00	7368.00	0.00	7368.00
601+00	60100.00	50.00	27.91	0.00	46.22	0.00	7414.22	0.00	7414.22
601+50	60150.00	50.00	26.87	0.00	50.72	0.00	7464.95	0.00	7464.95
602+00	60200.00	50.00	27.77	0.00	50.59	0.00	7515.54	0.00	7515.54
602+50	60250.00	50.00	29.47	0.00	53.00	0.00	7568.54	0.00	7568.54

Addendum No. 01
ID 1206-06-79
Revised Sheet 1197
November 25, 2020

DIVISION 1 - CL (MEDIAN) (CONT.)

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Cut	Fill	Cut	Fill	
602+30	60230.00	30.00	29.63	0.00	32.83	0.00	7601.37	0.00	7601.37
602+50	60250.00	20.00	27.05	0.00	20.99	0.00	7622.37	0.00	7622.37
603+00	60300.00	50.00	27.53	0.00	50.54	0.00	7672.90	0.00	7672.90
603+50	60350.00	50.00	30.24	0.00	53.49	0.00	7726.39	0.00	7726.39
604+00	60400.00	50.00	31.43	0.00	57.10	0.00	7783.49	0.00	7783.49
604+50	60450.00	50.00	47.11	0.00	72.72	0.00	7856.22	0.00	7856.22
605+00	60500.00	50.00	47.17	0.00	87.30	0.00	7943.51	0.00	7943.51
605+50	60550.00	50.00	47.12	0.00	87.31	0.00	8030.82	0.00	8030.82
606+00	60600.00	50.00	26.85	0.00	68.49	0.00	8099.31	0.00	8099.31
606+50	60650.00	50.00	28.01	0.00	50.80	0.00	8150.11	0.00	8150.11
607+00	60700.00	50.00	27.95	0.00	51.81	0.00	8201.92	0.00	8201.92
607+50	60750.00	50.00	27.91	0.00	51.72	0.00	8253.64	0.00	8253.64
608+00	60800.00	50.00	29.22	0.00	52.90	0.00	8306.54	0.00	8306.54
608+50	60850.00	50.00	28.39	0.00	53.34	0.00	8359.88	0.00	8359.88
608+96	60896.00	46.00	28.39	0.00	48.37	0.00	8408.25	0.00	8408.25
608+96	60896.00	0.00	2.25	0.00	0.00	0.00	8408.25	0.00	8408.25
616+62	61662.00	766.00	2.25	0.00	63.83	0.00	8472.09	0.00	8472.09
616+62	61662.00	0.00	2.25	0.00	0.00	0.00	8359.88	0.00	8359.88
616+97	61697.00	35.00	3.50	0.00	3.73	0.00	8363.61	0.00	8363.61
617+03	61703.00	0.00	3.50	0.00	0.00	0.00	8363.61	0.00	8363.61
617+37	61737.00	34.00	2.25	0.00	3.62	0.00	8367.23	0.00	8367.23
617+58	61757.50	20.50	2.25	0.00	1.71	0.00	8368.94	0.00	8368.94
617+93	61792.50	35.00	3.50	0.00	3.73	0.00	8372.67	0.00	8372.67
618+08	61807.50	0.00	3.50	0.00	0.00	0.00	8372.67	0.00	8372.67
618+43	61842.50	35.00	2.25	0.00	3.73	0.00	8376.39	0.00	8376.39
622+88	62287.50	445.00	2.25	0.00	37.08	0.00	8413.48	0.00	8413.48
623+23	62322.50	35.00	3.50	0.00	3.73	0.00	8417.20	0.00	8417.20
623+38	62337.50	0.00	3.50	0.00	0.00	0.00	8417.20	0.00	8417.20
623+73	62372.50	35.00	2.25	0.00	3.73	0.00	8420.93	0.00	8420.93
628+13	62812.50	440.00	2.25	0.00	36.67	0.00	8457.60	0.00	8457.60
628+48	62847.50	35.00	3.50	0.00	3.73	0.00	8461.32	0.00	8461.32
628+63	62862.50	0.00	3.50	0.00	0.00	0.00	8461.32	0.00	8461.32
628+98	62897.50	35.00	2.25	0.00	3.73	0.00	8465.05	0.00	8465.05
630+58	63057.50	160.00	2.25	0.00	13.33	0.00	8478.38	0.00	8478.38
630+93	63092.50	35.00	3.50	0.00	3.73	0.00	8482.11	0.00	8482.11
631+08	63107.50	0.00	3.50	0.00	0.00	0.00	8482.11	0.00	8482.11
631+67	63167.00	59.50	2.25	0.00	6.34	0.00	8488.45	0.00	8488.45
638+63	63863.21	696.21	2.25	0.00	58.02	0.00	8546.46	0.00	8546.46
639+28	63927.50	64.29	3.50	0.00	6.85	0.00	8553.31	0.00	8553.31
640+86	64086.99	0.00	3.50	0.00	0.00	0.00	8553.31	0.00	8553.31
641+11	64110.99	25.00	2.25	0.00	2.66	0.00	8555.97	0.00	8555.97
641+11	64110.99	0.00	2.25	0.00	0.00	0.00	8555.97	0.00	8555.97
641+96	64196.11	85.12	3.50	0.00	9.06	0.00	8565.04	0.00	8565.04
642+11	64211.11	0.00	3.50	0.00	0.00	0.00	8565.04	0.00	8565.04
642+71	64270.61	59.50	2.25	0.00	6.34	0.00	8571.37	0.00	8571.37

Addendum No. 01
ID 1206-06-79
Revised Sheet 1198
November 25, 2020

DIVISION 1 - CL (MEDIAN) (CONT.)

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Cut	Fill	Cut	Fill	
650+75	AH	65074.75	804.14	0.00	67.01	0.00	8638.38	0.00	8638.38
651+34	BK	65134.25	59.50	0.00	6.34	0.00	8644.72	0.00	8644.72
651+50	AH	65149.75	0.00	0.00	0.00	0.00	8644.72	0.00	8644.72
652+09	BK	65209.25	59.50	0.00	7.71	0.00	8652.43	0.00	8652.43
652+21	AH	65221.34	0.00	0.00	0.00	0.00	8652.43	0.00	8652.43
652+57	BK	65256.84	35.50	0.00	4.60	0.00	8657.03	0.00	8657.03
653+54	AH	65353.69	0.00	0.00	0.00	0.00	8657.03	0.00	8657.03
653+79	BK	65378.69	25.00	0.00	2.66	0.00	8659.70	0.00	8659.70
653+80	AH	65379.76	0.00	0.00	0.00	0.00	8659.70	0.00	8659.70
654+30	BK	65430.26	50.50	0.00	4.21	0.00	8663.90	0.00	8663.90
654+76	AH	65476.41	0.00	0.00	0.00	0.00	8663.90	0.00	8663.90
654+96	BK	65496.41	20.00	0.00	1.67	0.00	8665.57	0.00	8665.57
656+91	AH	65691.13	0.00	0.00	0.00	0.00	8665.57	0.00	8665.57
657+11	BK	65711.13	20.00	0.00	1.67	0.00	8667.24	0.00	8667.24
663+78	AH	66378.00	666.87	0.00	55.57	0.00	8722.81	0.00	8722.81
664+38	BK	66437.50	59.50	0.00	6.34	0.00	8729.14	0.00	8729.14
664+53	AH	66452.50	0.00	0.00	0.00	0.00	8729.14	0.00	8729.14
665+12	BK	66512.00	59.50	0.00	6.34	0.00	8735.48	0.00	8735.48
672+33	AH	67233.00	721.00	0.00	60.08	0.00	8795.56	0.00	8795.56
673+08	BK	67307.50	59.50	0.00	6.34	0.00	8801.90	0.00	8801.90
673+67	BK	67367.00	59.50	0.00	6.34	0.00	8808.24	0.00	8808.24
677+38	AH	67737.50	370.50	0.00	30.88	0.00	8839.11	0.00	8839.11
677+97	BK	67797.00	59.50	0.00	6.34	0.00	8845.45	0.00	8845.45
678+03	AH	67803.00	0.00	0.00	0.00	0.00	8845.45	0.00	8845.45
678+63	BK	67862.50	59.50	0.00	6.34	0.00	8851.78	0.00	8851.78
682+73	AH	68273.00	410.50	0.00	34.21	0.00	8885.99	0.00	8885.99
683+33	BK	68332.50	59.50	0.00	6.34	0.00	8892.33	0.00	8892.33
683+48	AH	68347.50	0.00	0.00	0.00	0.00	8892.33	0.00	8892.33
683+83	BK	68382.50	35.00	0.00	3.73	0.00	8896.05	0.00	8896.05
684+10	AH	68409.59	27.09	0.00	2.26	0.00	8898.31	0.00	8898.31
684+45	BK	68444.59	35.00	0.00	20.90	0.00	8919.21	0.00	8919.21
685+59	AH	68559.00	114.41	0.00	127.12	0.00	9046.33	0.00	9046.33
685+93	BK	68592.50	33.50	0.00	20.78	0.00	9067.12	0.00	9067.12
686+08	AH	68607.50	0.00	0.00	0.00	0.00	9067.12	0.00	9067.12

Addendum No. 01
ID 1206-06-79
Revised Sheet 1199
November 25, 2020

DIVISION 1 - CL (MEDIAN) (CONT.)

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Cut	Fill	Cut	Fill	
686+67	BK 68667.00	59.50	2.25	0.00	6.34	0.00	9073.45	0.00	9073.45
691+88	AH 69187.50	520.50	2.25	0.00	43.38	0.00	9116.83	0.00	9116.83
692+47	BK 69247.00	59.50	3.50	0.00	6.34	0.00	9123.16	0.00	9123.16
692+53	AH 69253.00	0.00	3.50	0.00	0.00	0.00	9123.16	0.00	9123.16
693+13	BK 69312.50	59.50	2.25	0.00	6.34	0.00	9129.50	0.00	9129.50
703+38	AH 70337.50	1025.00	2.25	0.00	85.42	0.00	9214.92	0.00	9214.92
703+97	BK 70397.00	59.50	3.50	0.00	6.34	0.00	9221.25	0.00	9221.25
704+03	AH 70403.00	0.00	3.50	0.00	0.00	0.00	9221.25	0.00	9221.25
704+63	BK 70462.50	59.50	2.25	0.00	6.34	0.00	9227.59	0.00	9227.59
704+63	AH 70462.50	0.00	2.25	0.00	0.00	0.00	9227.59	0.00	9227.59
706+00	BK 70600.00	137.50	2.25	0.00	11.46	0.00	9239.05	0.00	9239.05
706+00	AH 70600.00	0.00	23.70	0.00	0.00	0.00	9227.59	0.00	9227.59
707+89	BK 70789.22	189.22	25.70	0.00	173.10	0.00	9400.69	0.00	9400.69
709+48	AH 70947.52	0.00	26.02	0.00	0.00	0.00	9400.69	0.00	9400.69
712+00	BK 71200.00	252.48	22.79	0.00	228.21	0.00	9628.90	0.00	9628.90
712+00	AH 71200.00	0.00	22.79	0.00	0.00	0.00	9628.90	0.00	9628.90
712+10	BK 71210.00	10.00	2.25	0.00	4.64	0.00	9633.54	0.00	9633.54
715+58	AH 71557.50	347.50	2.25	0.00	28.96	0.00	9657.86	0.00	9657.86
715+93	BK 71592.50	35.00	3.50	0.00	3.73	0.00	9661.59	0.00	9661.59
716+08	AH 71607.50	0.00	3.50	0.00	0.00	0.00	9661.59	0.00	9661.59
716+67	BK 71667.00	59.50	2.25	0.00	6.34	0.00	9667.92	0.00	9667.92
717+66	AH 71765.96	98.96	2.25	0.00	8.25	0.00	9676.17	0.00	9676.17
718+71	BK 71870.71	104.75	4.00	0.00	12.12	0.00	9688.29	0.00	9688.29
721+07	AH 72106.63	0.00	4.00	0.00	0.00	0.00	9688.29	0.00	9688.29
721+42	BK 72142.13	35.50	4.00	0.00	5.26	0.00	9693.55	0.00	9693.55
721+58	AH 72157.66	0.00	2.25	0.00	0.00	0.00	9693.55	0.00	9693.55
722+17	BK 72217.16	59.50	2.25	0.00	4.96	0.00	9698.51	0.00	9698.51
722+83	AH 72282.85	65.69	2.25	0.00	6.54	0.00	9705.05	0.00	9705.05
723+03	BK 72302.85	20.00	2.25	0.00	1.67	0.00	9706.72	0.00	9706.72
724+38	AH 72438.00	135.15	2.25	0.00	11.26	0.00	9717.98	0.00	9717.98
724+98	BK 72497.50	59.50	3.50	0.00	6.34	0.00	9724.31	0.00	9724.31
725+13	AH 72512.50	0.00	3.50	0.00	0.00	0.00	9724.31	0.00	9724.31
725+72	BK 72572.00	59.50	2.25	0.00	6.34	0.00	9730.65	0.00	9730.65
729+33	AH 72933.00	361.00	2.25	0.00	30.08	0.00	9760.73	0.00	9760.73
729+93	BK 72992.50	59.50	3.50	0.00	6.34	0.00	9767.07	0.00	9767.07
730+08	AH 73007.50	0.00	3.50	0.00	0.00	0.00	9767.07	0.00	9767.07
730+67	BK 73067.00	59.50	2.25	0.00	6.34	0.00	9773.40	0.00	9773.40
732+33	AH 73233.00	166.00	2.25	0.00	13.83	0.00	9787.24	0.00	9787.24
732+93	BK 73292.50	59.50	3.50	0.00	6.34	0.00	9793.57	0.00	9793.57
733+08	AH 73307.50	0.00	3.50	0.00	0.00	0.00	9793.57	0.00	9793.57
733+67	BK 73367.00	59.50	2.25	0.00	6.34	0.00	9799.91	0.00	9799.91
736+63	AH 73663.00	296.00	2.25	0.00	24.67	0.00	9824.58	0.00	9824.58
737+23	BK 73722.50	59.50	3.50	0.00	6.34	0.00	9830.91	0.00	9830.91
737+38	AH 73737.50	0.00	3.50	0.00	0.00	0.00	9830.91	0.00	9830.91

Addendum No. 01
 ID 1206-06-79
 Added Sheet 1198A
 November 25, 2020

3

DIVISION 1 - CL (MEDIAN) (CONT.)

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Cut	Fill	Cut	Fill	
737+97	BK	73797.00	59.50	0.00	6.34	0.00	9837.25	0.00	9837.25
743+33	AH	74333.00	536.00	0.00	44.67	0.00	9881.91	0.00	9881.91
743+93	BK	74392.50	59.50	0.00	6.34	0.00	9888.25	0.00	9888.25
744+08	AH	74407.50	0.00	0.00	0.00	0.00	9888.25	0.00	9888.25
744+67	BK	74467.00	59.50	0.00	6.34	0.00	9894.59	0.00	9894.59
750+11	AH	75010.56	543.56	0.00	45.30	0.00	9939.88	0.00	9939.88
750+70	BK	75070.06	59.50	0.00	4.96	0.00	9944.84	0.00	9944.84
750+70	AH	75070.06	0.00	0.00	0.00	0.00	9939.88	0.00	9939.88
752+02	BK	75201.50	131.44	0.00	146.04	0.00	10085.93	0.00	10085.93
752+02	AH	75201.50	0.00	0.00	0.00	0.00	10085.93	0.00	10085.93
752+18	BK	75217.50	16.00	0.00	7.31	0.00	10093.24	0.00	10093.24
752+33	AH	75232.50	0.00	0.00	0.00	0.00	10093.24	0.00	10093.24
752+93	BK	75292.50	60.00	0.00	6.39	0.00	10099.62	0.00	10099.62
769+83	AH	76983.00	1690.50	0.00	140.88	0.00	10240.50	0.00	10240.50
770+43	BK	77042.50	59.50	0.00	6.34	0.00	10246.83	0.00	10246.83
770+58	AH	77057.50	0.00	0.00	0.00	0.00	10246.83	0.00	10246.83
771+17	BK	77117.00	59.50	0.00	6.34	0.00	10253.17	0.00	10253.17
780+03	AH	78003.00	886.00	0.00	73.83	0.00	10327.00	0.00	10327.00
780+63	BK	78062.50	59.50	0.00	6.34	0.00	10333.34	0.00	10333.34
780+78	AH	78077.50	0.00	0.00	0.00	0.00	10333.34	0.00	10333.34
781+37	BK	78137.00	59.50	0.00	6.34	0.00	10339.67	0.00	10339.67
793+73	AH	79373.00	1236.00	0.00	103.00	0.00	10442.67	0.00	10442.67
794+33	BK	79432.50	59.50	0.00	6.34	0.00	10449.01	0.00	10449.01
794+48	AH	79447.50	0.00	0.00	0.00	0.00	10449.01	0.00	10449.01
795+07	BK	79507.00	59.50	0.00	6.34	0.00	10455.35	0.00	10455.35
795+75	AH	79574.96	67.96	0.00	5.66	0.00	10461.01	0.00	10461.01
796+35	BK	79635.05	60.09	0.00	6.40	0.00	10467.41	0.00	10467.41
822+40	AH	82240.11	0.00	0.00	0.00	0.00	10467.41	0.00	10467.41
823+40	BK	82339.78	99.67	0.00	12.92	0.00	10480.33	0.00	10480.33
823+55	AH	82354.78	0.00	0.00	0.00	0.00	10480.33	0.00	10480.33
824+14	BK	82414.28	59.50	0.00	6.34	0.00	10486.66	0.00	10486.66
829+45	AH	82944.56	530.28	0.00	44.19	0.00	10530.85	0.00	10530.85
830+04	BK	83004.06	59.50	0.00	6.34	0.00	10537.19	0.00	10537.19
830+19	AH	83019.06	0.00	0.00	0.00	0.00	10537.19	0.00	10537.19
831+19	BK	83119.26	100.20	0.00	12.99	0.00	10550.18	0.00	10550.18
832+55	AH	83255.45	0.00	0.00	0.00	0.00	10550.18	0.00	10550.18
833+17	BK	83316.68	61.23	0.00	6.52	0.00	10556.70	0.00	10556.70
844+43	AH	84443.00	1126.32	0.00	93.86	0.00	10650.56	0.00	10650.56
845+03	BK	84502.50	59.50	0.00	6.34	0.00	10656.89	0.00	10656.89
845+18	AH	84517.50	0.00	0.00	0.00	0.00	10656.89	0.00	10656.89
845+77	BK	84577.00	59.50	0.00	6.34	0.00	10663.23	0.00	10663.23
853+33	AH	85333.00	756.00	0.00	63.00	0.00	10726.23	0.00	10726.23

PROJECT NO: 1206-06-79

HWY: USH 12

COUNTY: DANE

EARTHWORK

SHEET: 1199A

PLOT SCALE: 1:1

PLOT NAME: 002001_msp

PLOT BY: HNTB Corp

PLOT DATE: 11/24/2020 12:12:25 PM

3

Addendum No. 01
 ID 1206-06-79
 Added Sheet 1198B
 November 25, 2020

DIVISION 1 - CL (MEDIAN) (CONT.)

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Cut	Fill	Cut	Fill	
853+93	BK	85392.50	59.50	0.00	6.34	0.00	10732.57	0.00	10732.57
854+08	AH	85407.50	0.00	0.00	0.00	0.00	10732.57	0.00	10732.57
854+67	BK	85467.00	59.50	0.00	6.34	0.00	10738.90	0.00	10738.90
859+93	AH	85993.00	526.00	2.25	43.83	0.00	10782.73	0.00	10782.73
860+53	BK	86052.50	59.50	0.00	6.34	0.00	10789.07	0.00	10789.07
860+68	AH	86067.50	0.00	0.00	0.00	0.00	10789.07	0.00	10789.07
861+27	BK	86127.00	59.50	0.00	6.34	0.00	10795.41	0.00	10795.41
863+83	AH	86383.00	256.00	2.25	21.33	0.00	10816.74	0.00	10816.74
864+43	BK	86442.50	59.50	0.00	6.34	0.00	10823.07	0.00	10823.07
864+58	AH	86457.50	0.00	0.00	0.00	0.00	10823.07	0.00	10823.07
864+93	BK	86492.50	35.00	2.25	3.73	0.00	10826.80	0.00	10826.80
871+83	AH	87182.50	690.00	2.25	57.50	0.00	10884.30	0.00	10884.30
872+18	BK	87217.50	35.00	0.00	3.73	0.00	10888.03	0.00	10888.03
872+33	AH	87232.50	0.00	0.00	0.00	0.00	10888.03	0.00	10888.03
872+68	BK	87267.50	35.00	2.25	3.73	0.00	10891.76	0.00	10891.76
876+22	AH	87621.81	354.31	2.25	29.53	0.00	10921.28	0.00	10921.28
877+15	BK	87715.17	93.36	3.00	9.08	0.00	10930.36	0.00	10930.36
879+08	AH	87907.80	0.00	0.00	0.00	0.00	10930.36	0.00	10930.36
880+21	BK	88021.02	113.22	3.50	13.63	0.00	10943.99	0.00	10943.99
880+27	AH	88027.02	0.00	0.00	0.00	0.00	10943.99	0.00	10943.99
880+87	BK	88086.52	59.50	2.25	6.34	0.00	10950.32	0.00	10950.32
883+13	AH	88312.50	225.98	2.25	18.83	0.00	10969.15	0.00	10969.15
883+72	BK	88372.00	59.50	0.00	6.34	0.00	10975.49	0.00	10975.49
883+78	AH	88378.00	0.00	0.00	0.00	0.00	10975.49	0.00	10975.49
884+38	BK	88437.50	59.50	2.25	6.34	0.00	10981.82	0.00	10981.82
890+08	AH	89007.50	570.00	2.25	47.50	0.00	11029.32	0.00	11029.32
890+67	BK	89067.00	59.50	3.50	6.34	0.00	11035.66	0.00	11035.66
890+73	AH	89073.00	0.00	0.00	0.00	0.00	11035.66	0.00	11035.66
891+08	BK	89108.00	35.00	2.25	3.73	0.00	11039.39	0.00	11039.39
898+58	AH	89857.50	749.50	2.25	62.46	0.00	11101.85	0.00	11101.85
898+93	BK	89892.50	35.00	3.50	3.73	0.00	11105.57	0.00	11105.57
899+08	AH	89907.50	0.00	0.00	0.00	0.00	11105.57	0.00	11105.57
899+43	BK	89942.50	35.00	2.25	3.73	0.00	11109.30	0.00	11109.30
					11242.55	0.00			

PROJECT NO: 1206-06-79

HWY: USH 12

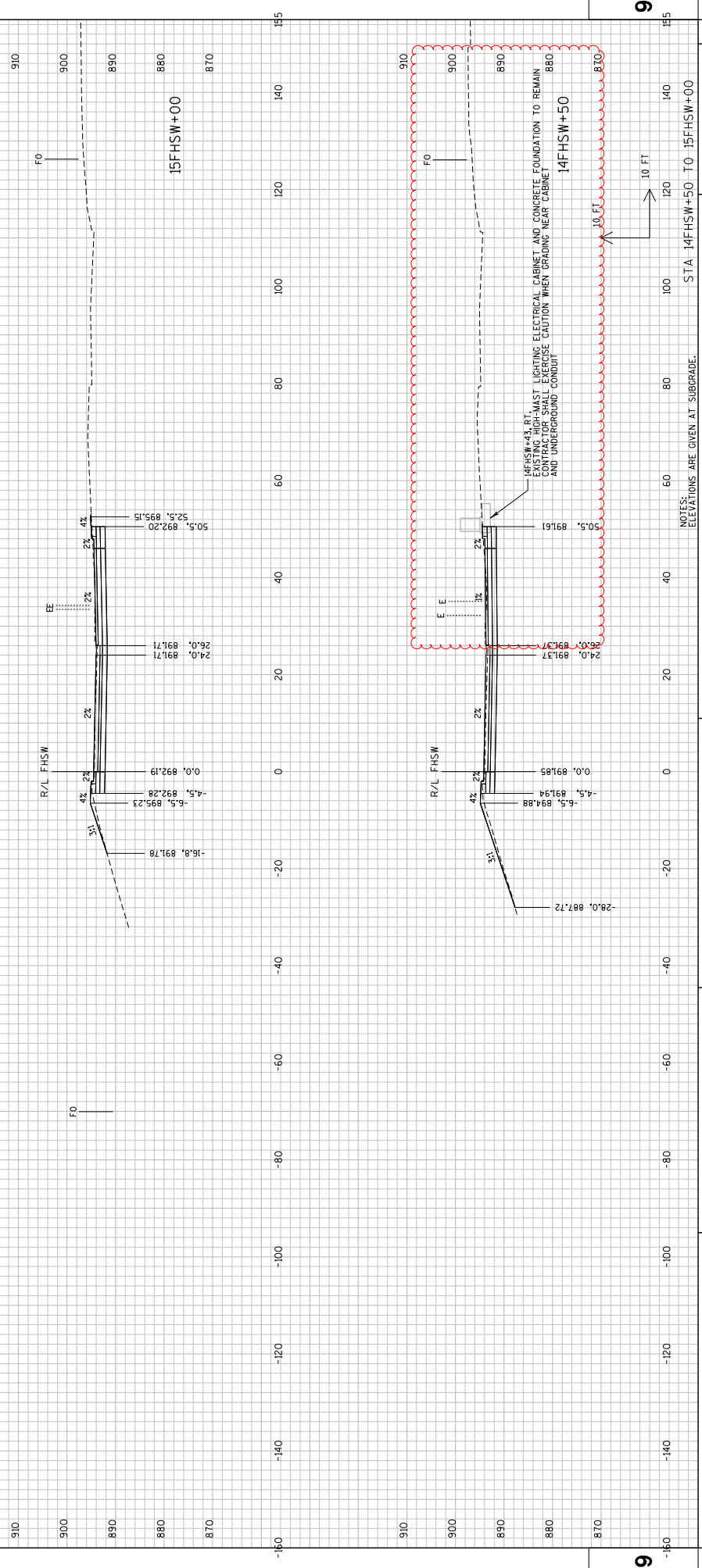
COUNTY: DANE

EARTHWORK

SHEET: 1198B

FILE NAME: \\MAD\WORKING\PROJECTS\12060679\12060679_1198B.dwg
 PLOT NAME: 000201_1198B
 PLOT DATE: 11/24/2020 12:25 PM
 PLOT BY: HNTB Corp
 PLOT SCALE: 1:1

Addendum No. 01
 ID 1206-06-79
 Revised Sheet 1281
 November 25, 2020





Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	203.0200 Removing Old Structure (station) 04. 551WB+24	LS	LUMP SUM	_____.
0004	204.0100 Removing Concrete Pavement	41,236.000 SY	_____.	_____.
0006	204.0105 Removing Pavement Butt Joints	31,087.000 SY	_____.	_____.
0008	204.0109.S Removing Concrete Surface Partial Depth	57,122.000 SF	_____.	_____.
0010	204.0115 Removing Asphaltic Surface Butt Joints	5,184.000 SY	_____.	_____.
0012	204.0120 Removing Asphaltic Surface Milling	80,980.000 SY	_____.	_____.
0014	204.0150 Removing Curb & Gutter	6,261.000 LF	_____.	_____.
0016	204.0155 Removing Concrete Sidewalk	105.000 SY	_____.	_____.
0018	204.0157 Removing Concrete Barrier	48,304.000 LF	_____.	_____.
0020	204.0165 Removing Guardrail	5,700.000 LF	_____.	_____.
0022	204.0170 Removing Fence	166.000 LF	_____.	_____.
0024	204.0190 Removing Surface Drains	14.000 EACH	_____.	_____.
0026	204.0195 Removing Concrete Bases	82.000 EACH	_____.	_____.
0028	204.0220 Removing Inlets	68.000 EACH	_____.	_____.
0030	204.0245 Removing Storm Sewer (size) 01. 12-Inch	766.000 LF	_____.	_____.
0032	204.0245 Removing Storm Sewer (size) 02. 15-Inch	95.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0034	204.0245 Removing Storm Sewer (size) 03. 18-Inch	450.000 LF	_____.	_____.
0036	204.0245 Removing Storm Sewer (size) 04. 24-Inch	401.000 LF	_____.	_____.
0038	204.0280 Sealing Pipes	2.000 EACH	_____.	_____.
0040	204.9060.S Removing (item description) 01. Inlet Covers	46.000 EACH	_____.	_____.
0042	204.9060.S Removing (item description) 02. Apron Endwalls	3.000 EACH	_____.	_____.
0044	204.9060.S Removing (item description) 03. Vane Drains	30.000 EACH	_____.	_____.
0046	204.9060.S Removing (item description) 04. Removing Existing Pole	1.000 EACH	_____.	_____.
0048	205.0100 Excavation Common	35,255.000 CY	_____.	_____.
0050	209.0300.S Backfill Coarse Aggregate (size) 01. Size No. 1	244.000 CY	_____.	_____.
0052	211.0100 Prepare Foundation for Asphaltic Paving (project) 01. 1206-06-79	LS	LUMP SUM	_____.
0054	211.0200 Prepare Foundation for Concrete Pavement (project) 01. 1206-06-79	LS	LUMP SUM	_____.
0056	211.0300 Prepare Foundation for Concrete Base (project) 01. 1206-06-79	LS	LUMP SUM	_____.
0058	211.0400 Prepare Foundation for Asphaltic Shoulders	37.000 STA	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	213.0100 Finishing Roadway (project) 01. 1206-06-79	1.000 EACH	_____.	_____.
0062	305.0110 Base Aggregate Dense 3/4-Inch	6,200.000 TON	_____.	_____.
0064	305.0120 Base Aggregate Dense 1 1/4-Inch	13,949.000 TON	_____.	_____.
0066	305.0500 Shaping Shoulders	20.000 STA	_____.	_____.
0068	312.0110 Select Crushed Material	11,652.000 TON	_____.	_____.
0070	320.0155 Concrete Base 9-Inch	27,233.000 SY	_____.	_____.
0072	320.0160 Concrete Base 9 1/2-Inch	1,737.000 SY	_____.	_____.
0074	320.0165 Concrete Base 10-Inch	35,341.000 SY	_____.	_____.
0076	415.0100 Concrete Pavement 10-Inch	525.000 SY	_____.	_____.
0078	415.0110 Concrete Pavement 11-Inch	579.000 SY	_____.	_____.
0080	415.1410 Concrete Pavement Approach Slab HES	1,392.000 SY	_____.	_____.
0082	416.0610 Drilled Tie Bars	30,877.000 EACH	_____.	_____.
0084	416.0620 Drilled Dowel Bars	2,323.000 EACH	_____.	_____.
0086	416.1010 Concrete Surface Drains	21.000 CY	_____.	_____.
0088	455.0605 Tack Coat	58,832.000 GAL	_____.	_____.
0090	460.0105.S HMA Percent Within Limits (PWL) Test Strip Volumetrics	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0092	460.2000 Incentive Density HMA Pavement	31,004.000 DOL	1.00000	31,004.00
0094	460.2007 Incentive Density HMA Pavement Longitudinal Joints	131,792.000 DOL	1.00000	131,792.00
0096	460.2010 Incentive Air Voids HMA Pavement	36,099.000 DOL	1.00000	36,099.00
0098	460.7624 HMA Pavement 4 HT 58-28 V	97,871.000 TON	_____	_____
0100	465.0105 Asphaltic Surface	101.000 TON	_____	_____
0102	465.0305 Asphaltic Surface Safety Islands	3.000 TON	_____	_____
0104	465.0315 Asphaltic Flumes	35.000 SY	_____	_____
0106	465.0400 Asphaltic Shoulder Rumble Strips	72,905.000 LF	_____	_____
0108	495.1000.S Cold patch	10.000 TON	_____	_____
0110	502.0100 Concrete Masonry Bridges	262.000 CY	_____	_____
0112	502.3210 Pigmented Surface Sealer	1,409.000 SY	_____	_____
0114	502.4206 Adhesive Anchors No. 6 Bar	476.000 EACH	_____	_____
0116	502.4206 Adhesive Anchors No. 6 Bar 01. 12-Inch	168.000 EACH	_____	_____
0118	505.0600 Bar Steel Reinforcement HS Coated Structures	26,820.000 LB	_____	_____
0120	509.1500 Concrete Surface Repair	63.000 SF	_____	_____
0122	511.1200 Temporary Shoring (structure) 35. S-13- 2039	570.000 SF	_____	_____



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0124	520.8000 Concrete Collars for Pipe	74.000 EACH	_____.	_____.
0126	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	1.000 EACH	_____.	_____.
0128	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	2.000 EACH	_____.	_____.
0130	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	2.000 EACH	_____.	_____.
0132	531.1100 Concrete Masonry Ancillary Structures Type NS	1,415.000 CY	_____.	_____.
0134	531.1140 Steel Reinforcement HS Ancillary Structures Type NS	133,100.000 LB	_____.	_____.
0136	531.1160 Steel Reinforcement HS Coated Ancillary Structures Type NS	99,130.000 LB	_____.	_____.
0138	531.2036 Drilling Shaft 36-Inch	2,376.000 LF	_____.	_____.
0140	531.2042 Drilling Shaft 42-Inch	184.000 LF	_____.	_____.
0142	531.5310 Foundation Single-Shaft Type TC-I (structure) 31. S-13-2015	1.000 EACH	_____.	_____.
0144	531.5310 Foundation Single-Shaft Type TC-I (structure) 32. S-13-2037	1.000 EACH	_____.	_____.
0146	531.5310 Foundation Single-Shaft Type TC-I (structure) 34. S-13-2016	1.000 EACH	_____.	_____.
0148	531.5310 Foundation Single-Shaft Type TC-I (structure) 48. S-13-2031	1.000 EACH	_____.	_____.
0150	531.6010 Foundation Two-Shaft Type FC-I (structure) 49. S-13-542	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0152	531.6010 Foundation Two-Shaft Type FC-I (structure) 50. S-13-544	1.000 EACH	_____.	_____.
0154	531.6010 Foundation Two-Shaft Type FC-I (structure) 51. S-13-545	1.000 EACH	_____.	_____.
0156	532.5020 Butterfly 2-Chord NS (structure) 05. S-13-2003	1.000 EACH	_____.	_____.
0158	532.5020 Butterfly 2-Chord NS (structure) 06. S-13-2004	1.000 EACH	_____.	_____.
0160	532.5020 Butterfly 2-Chord NS (structure) 07. S-13-2002	1.000 EACH	_____.	_____.
0162	532.5020 Butterfly 2-Chord NS (structure) 08. S-13-2005	1.000 EACH	_____.	_____.
0164	532.5020 Butterfly 2-Chord NS (structure) 09. S-13-2027	1.000 EACH	_____.	_____.
0166	532.5020 Butterfly 2-Chord NS (structure) 10. S-13-2006	1.000 EACH	_____.	_____.
0168	532.5020 Butterfly 2-Chord NS (structure) 11. S-13-2007	1.000 EACH	_____.	_____.
0170	532.5020 Butterfly 2-Chord NS (structure) 12. S-13-2008	1.000 EACH	_____.	_____.
0172	532.5020 Butterfly 2-Chord NS (structure) 13. S-13-2009	1.000 EACH	_____.	_____.
0174	532.5020 Butterfly 2-Chord NS (structure) 14. S-13-2010	1.000 EACH	_____.	_____.
0176	532.5020 Butterfly 2-Chord NS (structure) 15. S-13-2032	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0184	532.5020 Butterfly 2-Chord NS (structure) 24. S-13-537	1.000 EACH	_____.	_____.
0186	532.5020 Butterfly 2-Chord NS (structure) 26. S-13-540	1.000 EACH	_____.	_____.
0188	532.5040 Butterfly 4-Chord NS (structure) 16. S-13-529	1.000 EACH	_____.	_____.
0190	532.5040 Butterfly 4-Chord NS (structure) 17. S-13-530	1.000 EACH	_____.	_____.
0192	532.5040 Butterfly 4-Chord NS (structure) 18. S-13-531	1.000 EACH	_____.	_____.
0194	532.5040 Butterfly 4-Chord NS (structure) 19. S-13-532	1.000 EACH	_____.	_____.
0196	532.5040 Butterfly 4-Chord NS (structure) 23. S-13-536	1.000 EACH	_____.	_____.
0198	532.5040 Butterfly 4-Chord NS (structure) 25.S-13-539	1.000 EACH	_____.	_____.
0200	532.5300 Truss Cantilever 2-Chord Type NS (structure) 27. S-13-2011	1.000 EACH	_____.	_____.
0202	532.5300 Truss Cantilever 2-Chord Type NS (structure) 28. S-13-2012	1.000 EACH	_____.	_____.
0204	532.5300 Truss Cantilever 2-Chord Type NS (structure) 29. S-13-2013	1.000 EACH	_____.	_____.
0206	532.5300 Truss Cantilever 2-Chord Type NS (structure) 30. S-13-2014	1.000 EACH	_____.	_____.
0208	532.5300 Truss Cantilever 2-Chord Type NS (structure) 31. S-13-2015	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0210	532.5300 Truss Cantilever 2-Chord Type NS (structure) 32. S-13-2037	1.000 EACH	_____.	_____.
0212	532.5300 Truss Cantilever 2-Chord Type NS (structure) 33. S-13-2038	1.000 EACH	_____.	_____.
0214	532.5300 Truss Cantilever 2-Chord Type NS (structure) 34. S-13-2016	1.000 EACH	_____.	_____.
0216	532.5300 Truss Cantilever 2-Chord Type NS (structure) 35. S-13-2039	1.000 EACH	_____.	_____.
0218	532.5300 Truss Cantilever 2-Chord Type NS (structure) 36. S-13-2017	1.000 EACH	_____.	_____.
0220	532.5300 Truss Cantilever 2-Chord Type NS (structure) 37. S-13-2018	1.000 EACH	_____.	_____.
0222	532.5300 Truss Cantilever 2-Chord Type NS (structure) 38. S-13-2019	1.000 EACH	_____.	_____.
0224	532.5300 Truss Cantilever 2-Chord Type NS (structure) 39. S-13-2020	1.000 EACH	_____.	_____.
0226	532.5300 Truss Cantilever 2-Chord Type NS (structure) 40. S-13-2021	1.000 EACH	_____.	_____.
0228	532.5300 Truss Cantilever 2-Chord Type NS (structure) 41. S-13-2022	1.000 EACH	_____.	_____.
0230	532.5300 Truss Cantilever 2-Chord Type NS (structure) 42. S-13-2024	1.000 EACH	_____.	_____.
0232	532.5300 Truss Cantilever 2-Chord Type NS (structure) 43. S-13-2025	1.000 EACH	_____.	_____.
0234	532.5300 Truss Cantilever 2-Chord Type NS (structure) 44. S-13-2026	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0236	532.5300 Truss Cantilever 2-Chord Type NS (structure) 45. S-13-2028	1.000 EACH	_____.	_____.
0238	532.5300 Truss Cantilever 2-Chord Type NS (structure) 46. S-13-2029	1.000 EACH	_____.	_____.
0240	532.5300 Truss Cantilever 2-Chord Type NS (structure) 47. S-13-2030	1.000 EACH	_____.	_____.
0242	532.5300 Truss Cantilever 2-Chord Type NS (structure) 48. S-13-2031	1.000 EACH	_____.	_____.
0244	532.6000 Truss Cantilever 4-Chord Type NS (structure) 52. S-13-543	1.000 EACH	_____.	_____.
0246	532.6010 Truss Cantilever 4-Chord Type I (structure) 49. S-13-542	1.000 EACH	_____.	_____.
0248	532.6010 Truss Cantilever 4-Chord Type I (structure) 50. S-13-544	1.000 EACH	_____.	_____.
0250	532.6010 Truss Cantilever 4-Chord Type I (structure) 51. S-13-545	1.000 EACH	_____.	_____.
0252	532.6100 Truss Full Span 4-Chord Type NS (structure) 61. S-13-552	1.000 EACH	_____.	_____.
0254	532.6100 Truss Full Span 4-Chord Type NS (structure) 62. S-13-553	1.000 EACH	_____.	_____.
0256	532.6100 Truss Full Span 4-Chord Type NS (structure) 63. S-13-2033	1.000 EACH	_____.	_____.
0258	532.6100 Truss Full Span 4-Chord Type NS (structure) 64. S-13-2034	1.000 EACH	_____.	_____.
0260	532.6100 Truss Full Span 4-Chord Type NS (structure) 65. S-13-2040	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0262	532.6100 Truss Full Span 4-Chord Type NS (structure) 66. S-13-2035	1.000 EACH	_____.	_____.
0264	532.6100 Truss Full Span 4-Chord Type NS (structure) 67. S-13-2036	1.000 EACH	_____.	_____.
0266	532.6120 Truss Full Span 4-Chord Type II (structure) 53. S-13-546	1.000 EACH	_____.	_____.
0268	532.6120 Truss Full Span 4-Chord Type II (structure) 54. S-13-547	1.000 EACH	_____.	_____.
0270	532.6120 Truss Full Span 4-Chord Type II (structure) 55. S-13-548	1.000 EACH	_____.	_____.
0272	532.6120 Truss Full Span 4-Chord Type II (structure) 56. S-13-538	1.000 EACH	_____.	_____.
0274	532.6120 Truss Full Span 4-Chord Type II (structure) 57. S-13-549	1.000 EACH	_____.	_____.
0276	532.6120 Truss Full Span 4-Chord Type II (structure) 58. S-13-550	1.000 EACH	_____.	_____.
0278	532.6120 Truss Full Span 4-Chord Type II (structure) 59. S-13-541	1.000 EACH	_____.	_____.
0280	532.6120 Truss Full Span 4-Chord Type II (structure) 60. S-13-551	1.000 EACH	_____.	_____.
0282	601.0205 Concrete Gutter 24-Inch	282.000 LF	_____.	_____.
0284	601.0409 Concrete Curb & Gutter 30-Inch Type A	376.000 LF	_____.	_____.
0286	601.0411 Concrete Curb & Gutter 30-Inch Type D	1,690.000 LF	_____.	_____.
0288	601.0551 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	120.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0290	601.0555 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	135.000 LF	_____.	_____.
0292	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	2,342.000 LF	_____.	_____.
0294	601.0588 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	97.000 LF	_____.	_____.
0296	602.0410 Concrete Sidewalk 5-Inch	7,992.000 SF	_____.	_____.
0298	603.0105 Concrete Barrier Single-Faced 32-Inch	335.000 LF	_____.	_____.
0300	603.1142 Concrete Barrier Type S42	1,284.000 LF	_____.	_____.
0302	603.1156 Concrete Barrier Type S56	20.000 LF	_____.	_____.
0304	603.1242 Concrete Barrier Type S42A	40.000 LF	_____.	_____.
0306	603.3559 Concrete Barrier Transition Type S42 to S56	8.000 EACH	_____.	_____.
0308	603.8000 Concrete Barrier Temporary Precast Delivered	83,123.000 LF	_____.	_____.
0310	603.8125 Concrete Barrier Temporary Precast Installed	88,123.000 LF	_____.	_____.
0312	606.0200 Riprap Medium	50.000 CY	_____.	_____.
0314	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	8,045.000 LF	_____.	_____.
0316	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	3,151.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0318	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	1,646.000 LF	_____.	_____.
0320	608.0421 Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch	21.000 LF	_____.	_____.
0322	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	514.000 LF	_____.	_____.
0324	611.0430 Reconstructing Inlets	6.000 EACH	_____.	_____.
0326	611.0535 Manhole Covers Type J-Special	1.000 EACH	_____.	_____.
0328	611.0610 Inlet Covers Type BW	25.000 EACH	_____.	_____.
0330	611.0612 Inlet Covers Type C	2.000 EACH	_____.	_____.
0332	611.0624 Inlet Covers Type H	3.000 EACH	_____.	_____.
0334	611.0627 Inlet Covers Type HM	10.000 EACH	_____.	_____.
0336	611.0636 Inlet Covers Type HM-S	2.000 EACH	_____.	_____.
0338	611.0651 Inlet Covers Type S	9.000 EACH	_____.	_____.
0340	611.0654 Inlet Covers Type V	254.000 EACH	_____.	_____.
0342	611.2004 Manholes 4-FT Diameter	2.000 EACH	_____.	_____.
0344	611.2005 Manholes 5-FT Diameter	1.000 EACH	_____.	_____.
0346	611.2033 Manholes 3x3-FT	36.000 EACH	_____.	_____.
0348	611.3003 Inlets 3-FT Diameter	32.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0350	611.3004 Inlets 4-FT Diameter	11.000 EACH	_____.	_____.
0352	611.3220 Inlets 2x2-FT	168.000 EACH	_____.	_____.
0354	611.3225 Inlets 2x2.5-FT	25.000 EACH	_____.	_____.
0356	611.3230 Inlets 2x3-FT	5.000 EACH	_____.	_____.
0358	611.8110 Adjusting Manhole Covers	10.000 EACH	_____.	_____.
0360	611.8115 Adjusting Inlet Covers	108.000 EACH	_____.	_____.
0362	611.9710 Salvaged Inlet Covers	29.000 EACH	_____.	_____.
0364	611.9800.S Pipe Grates	5.000 EACH	_____.	_____.
0366	614.0400 Adjusting Steel Plate Beam Guard	7,871.000 LF	_____.	_____.
0368	614.0905 Crash Cushions Temporary	60.000 EACH	_____.	_____.
0370	614.1100 MGS Guardrail Temporary Thrie Beam Transition	213.000 LF	_____.	_____.
0372	614.2300 MGS Guardrail 3	6,691.000 LF	_____.	_____.
0374	614.2310 MGS Guardrail 3 HS	263.000 LF	_____.	_____.
0376	614.2320 MGS Guardrail 3 QS	50.000 LF	_____.	_____.
0378	614.2500 MGS Thrie Beam Transition	431.000 LF	_____.	_____.
0380	614.2610 MGS Guardrail Terminal EAT	21.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0382	614.2620 MGS Guardrail Terminal Type 2	19.000 EACH	_____.	_____.
0384	616.0206 Fence Chain Link 6-FT	166.000 LF	_____.	_____.
0386	618.0100 Maintenance And Repair of Haul Roads (project) 01. 1206-06-79	1.000 EACH	_____.	_____.
0388	619.1000 Mobilization	1.000 EACH	_____.	_____.
0390	620.0300 Concrete Median Sloped Nose	695.000 SF	_____.	_____.
0392	624.0100 Water	599.000 MGAL	_____.	_____.
0394	625.0500 Salvaged Topsoil	16,677.000 SY	_____.	_____.
0396	628.1504 Silt Fence	7,164.000 LF	_____.	_____.
0398	628.1520 Silt Fence Maintenance	7,164.000 LF	_____.	_____.
0400	628.1905 Mobilizations Erosion Control	18.000 EACH	_____.	_____.
0402	628.1910 Mobilizations Emergency Erosion Control	4.000 EACH	_____.	_____.
0404	628.2004 Erosion Mat Class I Type B	15,909.000 SY	_____.	_____.
0406	628.7005 Inlet Protection Type A	6.000 EACH	_____.	_____.
0408	628.7010 Inlet Protection Type B	447.000 EACH	_____.	_____.
0410	628.7015 Inlet Protection Type C	69.000 EACH	_____.	_____.
0412	628.7504 Temporary Ditch Checks	144.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0414	629.0210 Fertilizer Type B	15.500 CWT	_____.	_____.
0416	630.0130 Seeding Mixture No. 30	299.000 LB	_____.	_____.
0418	633.1000 Delineators Barrier Wall	332.000 EACH	_____.	_____.
0420	633.5200 Markers Culvert End	5.000 EACH	_____.	_____.
0422	634.0614 Posts Wood 4x6-Inch X 14-FT	2.000 EACH	_____.	_____.
0424	634.0616 Posts Wood 4x6-Inch X 16-FT	2.000 EACH	_____.	_____.
0426	634.0618 Posts Wood 4x6-Inch X 18-FT	13.000 EACH	_____.	_____.
0428	634.0620 Posts Wood 4x6-Inch X 20-FT	7.000 EACH	_____.	_____.
0430	634.0624 Posts Wood 4x6-Inch X 24-FT	6.000 EACH	_____.	_____.
0432	634.0812 Posts Tubular Steel 2x2-Inch X 12-FT	31.000 EACH	_____.	_____.
0434	635.0200 Sign Supports Structural Steel HS	5,210.000 LB	_____.	_____.
0436	636.0100 Sign Supports Concrete Masonry	10.000 CY	_____.	_____.
0438	636.0500 Sign Supports Steel Reinforcement	1,326.000 LB	_____.	_____.
0440	637.1220 Signs Type I Reflective SH	14,809.500 SF	_____.	_____.
0442	637.2210 Signs Type II Reflective H	2,423.000 SF	_____.	_____.
0444	637.2230 Signs Type II Reflective F	48.000 SF	_____.	_____.
0446	638.2101 Moving Signs Type I	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0448	638.2102 Moving Signs Type II	103.000 EACH	_____.	_____.
0450	638.2601 Removing Signs Type I	60.000 EACH	_____.	_____.
0452	638.2602 Removing Signs Type II	110.000 EACH	_____.	_____.
0454	638.3000 Removing Small Sign Supports	68.000 EACH	_____.	_____.
0456	638.3100 Removing Structural Steel Sign Supports	10.000 EACH	_____.	_____.
0458	638.3150 Removing Overhead Sign Supports Cantilever (structure) 01. S-13-XXX	15.000 EACH	_____.	_____.
0460	638.3155 Removing Overhead Sign Supports Full Span (structure) 01. S-13-XXX	7.000 EACH	_____.	_____.
0462	638.4000 Moving Small Sign Supports	27.000 EACH	_____.	_____.
0464	642.5401 Field Office Type D	1.000 EACH	_____.	_____.
0466	643.0300 Traffic Control Drums	145,684.000 DAY	_____.	_____.
0468	643.0420 Traffic Control Barricades Type III	8,984.000 DAY	_____.	_____.
0470	643.0705 Traffic Control Warning Lights Type A	17,967.000 DAY	_____.	_____.
0472	643.0715 Traffic Control Warning Lights Type C	24,354.000 DAY	_____.	_____.
0474	643.0800 Traffic Control Arrow Boards	1,394.000 DAY	_____.	_____.
0476	643.0900 Traffic Control Signs	14,586.000 DAY	_____.	_____.
0478	643.0910 Traffic Control Covering Signs Type I	12.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0480	643.0920 Traffic Control Covering Signs Type II	2.000 EACH	_____.	_____.
0482	643.1050 Traffic Control Signs PCMS	1,064.000 DAY	_____.	_____.
0484	643.1055.S Truck or Trailer Mounted Attenuator	176.000 DAY	_____.	_____.
0486	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0488	645.0120 Geotextile Type HR	150.000 SY	_____.	_____.
0490	645.0220 Geogrid Type SR	14,918.000 SY	_____.	_____.
0492	646.1020 Marking Line Epoxy 4-Inch	32,153.000 LF	_____.	_____.
0494	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	272,172.000 LF	_____.	_____.
0496	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	42,651.000 LF	_____.	_____.
0498	646.3020 Marking Line Epoxy 8-Inch	1,753.000 LF	_____.	_____.
0500	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	33,030.000 LF	_____.	_____.
0502	646.5020 Marking Arrow Epoxy	4.000 EACH	_____.	_____.
0504	646.5420 Marking Aerial Enforcement Bar Epoxy	30.000 EACH	_____.	_____.
0506	646.7220 Marking Chevron Epoxy 24-Inch	3,617.000 LF	_____.	_____.
0508	646.8120 Marking Curb Epoxy	10.000 LF	_____.	_____.
0510	646.8220 Marking Island Nose Epoxy	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0512	646.9000 Marking Removal Line 4-Inch	47,199.000 LF	_____.	_____.
0514	646.9010 Marking Removal Line Water Blasting 4-Inch	14,882.000 LF	_____.	_____.
0516	646.9100 Marking Removal Line 8-Inch	27,324.000 LF	_____.	_____.
0518	646.9110 Marking Removal Line Water Blasting 8-Inch	1,289.000 LF	_____.	_____.
0520	646.9200 Marking Removal Line Wide	2,497.000 LF	_____.	_____.
0522	649.0120 Temporary Marking Line Epoxy 4-Inch	356,603.000 LF	_____.	_____.
0524	649.0220 Temporary Marking Line Epoxy 8-Inch	54,891.000 LF	_____.	_____.
0526	649.0760 Temporary Marking Raised Pavement Marker Type I	417.000 EACH	_____.	_____.
0528	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	19,525.000 LF	_____.	_____.
0530	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	161.000 LF	_____.	_____.
0532	652.0605 Conduit Special 2-Inch	207.000 LF	_____.	_____.
0534	652.0615 Conduit Special 3-Inch	9,253.000 LF	_____.	_____.
0536	652.0700.S Install Conduit into Existing Item	44.000 EACH	_____.	_____.
0538	653.0154 Pull Boxes Non-Conductive 24x36-Inch	5.000 EACH	_____.	_____.
0540	653.0164 Pull Boxes Non-Conductive 24x42-Inch	77.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0542	653.0222 Junction Boxes 18x12x6-Inch	30.000 EACH	_____.	_____.
0544	654.0101 Concrete Bases Type 1	31.000 EACH	_____.	_____.
0546	654.0102 Concrete Bases Type 2	2.000 EACH	_____.	_____.
0548	654.1130 Concrete Bases Camera Pole 30-FT	1.000 EACH	_____.	_____.
0550	654.1150 Concrete Bases Camera Pole 50-FT	1.000 EACH	_____.	_____.
0552	655.0505 Electrical Wire Traffic Signals 14 AWG	21,735.000 LF	_____.	_____.
0554	655.0625 Electrical Wire Lighting 6 AWG	26,115.000 LF	_____.	_____.
0556	655.0630 Electrical Wire Lighting 4 AWG	10,900.000 LF	_____.	_____.
0558	655.0635 Electrical Wire Lighting 2 AWG	7,023.000 LF	_____.	_____.
0560	655.0640 Electrical Wire Lighting 1 AWG	605.000 LF	_____.	_____.
0562	655.0645 Electrical Wire Lighting 1/0 AWG	4,905.000 LF	_____.	_____.
0564	656.0200 Electrical Service Meter Breaker Pedestal (location) 01. LCS-13-0030	LS	LUMP SUM	_____.
0566	656.0200 Electrical Service Meter Breaker Pedestal (location) 02. LCS-13-0031	LS	LUMP SUM	_____.
0568	656.0200 Electrical Service Meter Breaker Pedestal (location) 03. DMS-13-0066	LS	LUMP SUM	_____.
0570	656.0200 Electrical Service Meter Breaker Pedestal (location) 04. LCS-13-0032	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0572	656.0200 Electrical Service Meter Breaker Pedestal (location) 05. LCS-13-0028	LS	LUMP SUM	_____.
0574	656.0200 Electrical Service Meter Breaker Pedestal (location) 06. LCS-13-0034/LCS-13-0025	LS	LUMP SUM	_____.
0576	656.0200 Electrical Service Meter Breaker Pedestal (location) 07. LCS-13-0024	LS	LUMP SUM	_____.
0578	656.0200 Electrical Service Meter Breaker Pedestal (location) 08. LCS-13-0036/LCS-13-0022	LS	LUMP SUM	_____.
0580	656.0200 Electrical Service Meter Breaker Pedestal (location) 09. LCS-13-0038	LS	LUMP SUM	_____.
0582	656.0200 Electrical Service Meter Breaker Pedestal (location) 10. LCS-13-0040	LS	LUMP SUM	_____.
0584	656.0200 Electrical Service Meter Breaker Pedestal (location) 11. LCS-13-0041/LCS-13-0017/DMS-13-0067	LS	LUMP SUM	_____.
0586	656.0200 Electrical Service Meter Breaker Pedestal (location) 12. LCS-13-0042/LCS-13-0016	LS	LUMP SUM	_____.
0588	656.0200 Electrical Service Meter Breaker Pedestal (location) 13. LCS-13-0043/LCS-13-0015	LS	LUMP SUM	_____.
0590	656.0200 Electrical Service Meter Breaker Pedestal (location) 14. LCS-13-0044	LS	LUMP SUM	_____.
0592	656.0200 Electrical Service Meter Breaker Pedestal (location) 15. LCS-13-0013	LS	LUMP SUM	_____.
0594	656.0200 Electrical Service Meter Breaker Pedestal (location) 16. LCS-13-0045	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0596	656.0200 Electrical Service Meter Breaker Pedestal (location) 17. LCS-13-0047/LCS-13-0011	LS	LUMP SUM	_____.
0598	656.0200 Electrical Service Meter Breaker Pedestal (location) 18. LCS-13-0049/LCS-13-0009	LS	LUMP SUM	_____.
0600	656.0200 Electrical Service Meter Breaker Pedestal (location) 19. DMS-13-0069	LS	LUMP SUM	_____.
0602	656.0200 Electrical Service Meter Breaker Pedestal (location) 20. LCS-13-0050/LCS-13-0008	LS	LUMP SUM	_____.
0604	656.0200 Electrical Service Meter Breaker Pedestal (location) 21. LCS-13-0051/LCS-13-0007	LS	LUMP SUM	_____.
0606	656.0200 Electrical Service Meter Breaker Pedestal (location) 22. LCS-13-0052/LCS-13-0006	LS	LUMP SUM	_____.
0608	656.0200 Electrical Service Meter Breaker Pedestal (location) 23. DMS-13-0070	LS	LUMP SUM	_____.
0610	656.0200 Electrical Service Meter Breaker Pedestal (location) 24. LCS-13-0053/LCS-13-0005	LS	LUMP SUM	_____.
0612	656.0200 Electrical Service Meter Breaker Pedestal (location) 25. LCS-13-0054/LCS-13-0004	LS	LUMP SUM	_____.
0614	656.0200 Electrical Service Meter Breaker Pedestal (location) 26. LCS-13-0055	LS	LUMP SUM	_____.
0616	656.0200 Electrical Service Meter Breaker Pedestal (location) 27. LCS-13-0056/LCS-13-0003	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0618	656.0200 Electrical Service Meter Breaker Pedestal (location) 28. LCS-13-0057/LCS-13-0002	LS	LUMP SUM	_____.
0620	656.0500 Electrical Service Breaker Disconnect Box (location) 01. LCS-13-0030	LS	LUMP SUM	_____.
0622	656.0500 Electrical Service Breaker Disconnect Box (location) 02. LCS-13-0031	LS	LUMP SUM	_____.
0624	656.0500 Electrical Service Breaker Disconnect Box (location) 03. DMS-13-0066	LS	LUMP SUM	_____.
0626	656.0500 Electrical Service Breaker Disconnect Box (location) 04. LCS-13-0032	LS	LUMP SUM	_____.
0628	656.0500 Electrical Service Breaker Disconnect Box (location) 05. LCS-13-0028	LS	LUMP SUM	_____.
0630	656.0500 Electrical Service Breaker Disconnect Box (location) 06. LCS-13-0025	LS	LUMP SUM	_____.
0632	656.0500 Electrical Service Breaker Disconnect Box (location) 07. LCS-13-0024	LS	LUMP SUM	_____.
0634	656.0500 Electrical Service Breaker Disconnect Box (location) 08. LCS-13-0035	LS	LUMP SUM	_____.
0636	656.0500 Electrical Service Breaker Disconnect Box (location) 09. LCS-13-0023	LS	LUMP SUM	_____.
0638	656.0500 Electrical Service Breaker Disconnect Box (location) 10. LCS-13-0036/LCS-13-0022	LS	LUMP SUM	_____.
0640	656.0500 Electrical Service Breaker Disconnect Box (location) 11. LCS-13-0037/LCS-13-0021	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0642	656.0500 Electrical Service Breaker Disconnect Box (location) 12. LCS-13-0038	LS	LUMP SUM	_____.
0644	656.0500 Electrical Service Breaker Disconnect Box (location) 13. LCS-13-0019	LS	LUMP SUM	_____.
0646	656.0500 Electrical Service Breaker Disconnect Box (location) 14. LCS-13-0039	LS	LUMP SUM	_____.
0648	656.0500 Electrical Service Breaker Disconnect Box (location) 15. LCS-13-0040	LS	LUMP SUM	_____.
0650	656.0500 Electrical Service Breaker Disconnect Box (location) 16. LCS-13-0041/LCS-13-0017	LS	LUMP SUM	_____.
0652	656.0500 Electrical Service Breaker Disconnect Box (location) 17. LCS-13-0042/LCS-13-0016	LS	LUMP SUM	_____.
0654	656.0500 Electrical Service Breaker Disconnect Box (location) 18. LCS-13-0043/LCS-13-0015	LS	LUMP SUM	_____.
0656	656.0500 Electrical Service Breaker Disconnect Box (location) 19. LCS-13-0014/DMS-13-0068	LS	LUMP SUM	_____.
0660	656.0500 Electrical Service Breaker Disconnect Box (location) 21. LCS-13-0044	LS	LUMP SUM	_____.
0662	656.0500 Electrical Service Breaker Disconnect Box (location) 22. LCS-13-0045	LS	LUMP SUM	_____.
0664	656.0500 Electrical Service Breaker Disconnect Box (location) 23. LCS-13-0047/LCS-13-0011	LS	LUMP SUM	_____.
0666	656.0500 Electrical Service Breaker Disconnect Box (location) 24. LCS-13-0048/LCS-13-0010	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0668	656.0500 Electrical Service Breaker Disconnect Box (location) 25. LCS-13-0049/LCS-13-0009	LS	LUMP SUM	_____.
0670	656.0500 Electrical Service Breaker Disconnect Box (location) 26. DMS-13-0069	LS	LUMP SUM	_____.
0672	656.0500 Electrical Service Breaker Disconnect Box (location) 27. LCS-13-0050/LCS-13-0008	LS	LUMP SUM	_____.
0674	656.0500 Electrical Service Breaker Disconnect Box (location) 28. LCS-13-0051/LCS-13-0007	LS	LUMP SUM	_____.
0676	656.0500 Electrical Service Breaker Disconnect Box (location) 29. LCS-13-0052/LCS-13-0006	LS	LUMP SUM	_____.
0678	656.0500 Electrical Service Breaker Disconnect Box (location) 30. DMS-13-0070	LS	LUMP SUM	_____.
0680	656.0500 Electrical Service Breaker Disconnect Box (location) 31. LCS-13-0053/LCS-13-0005	LS	LUMP SUM	_____.
0682	656.0500 Electrical Service Breaker Disconnect Box (location) 32. LCS-13-0054/LCS-13-0004	LS	LUMP SUM	_____.
0684	656.0500 Electrical Service Breaker Disconnect Box (location) 33. LCS-13-0055	LS	LUMP SUM	_____.
0686	656.0500 Electrical Service Breaker Disconnect Box (location) 34. LCS-13-0056/LCS-13-0003	LS	LUMP SUM	_____.
0688	656.0500 Electrical Service Breaker Disconnect Box (location) 35. LCS-13-0057/LCS-13-0002	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0690	657.0100 Pedestal Bases	29.000 EACH	_____.	_____.
0692	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	2.000 EACH	_____.	_____.
0694	657.0322 Poles Type 5-Aluminum	2.000 EACH	_____.	_____.
0696	670.0100 Field System Integrator	LS	LUMP SUM	_____.
0698	670.0200 ITS Documentation	LS	LUMP SUM	_____.
0700	673.0105 Communication Vault Type 1	4.000 EACH	_____.	_____.
0702	673.0200 Tracer Wire Marker Posts	4.000 EACH	_____.	_____.
0704	673.0225.S Install Pole Mounted Cabinet	34.000 EACH	_____.	_____.
0706	674.0200 Cable Microwave Detector	452.000 LF	_____.	_____.
0708	674.0300 Remove Cable	954.000 LF	_____.	_____.
0710	674.0400 Reinstall Cable	954.000 LF	_____.	_____.
0712	675.0300 Install Mounted Controller Microwave Detector Assembly	34.000 EACH	_____.	_____.
0714	677.0130 Install Camera Pole 30-FT	1.000 EACH	_____.	_____.
0716	677.0150 Install Camera Pole 50-FT	1.000 EACH	_____.	_____.
0718	677.0200 Install Camera Assembly	37.000 EACH	_____.	_____.
0720	678.0012 Install Fiber Optic Cable Outdoor Plant 12-CT	20,279.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0722	678.0100.S Install Overhead Freeway DMS Full Matrix	5.000 EACH	_____.	_____.
0724	678.0200 Fiber Optic Splice Enclosure	27.000 EACH	_____.	_____.
0726	678.0300 Fiber Optic Splice	120.000 EACH	_____.	_____.
0728	678.0400 Fiber Optic Termination	180.000 EACH	_____.	_____.
0730	678.0500 Communication System Testing	LS	LUMP SUM	_____.
0732	678.0600 Install Ethernet Switches	39.000 EACH	_____.	_____.
0734	690.0150 Sawing Asphalt	1,301.000 LF	_____.	_____.
0736	690.0250 Sawing Concrete	86,842.000 LF	_____.	_____.
0738	715.0415 Incentive Strength Concrete Pavement	319.000 DOL	1.00000	319.00
0740	740.0440 Incentive IRI Ride	169,431.000 DOL	1.00000	169,431.00
0742	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	4,500.000 HRS	5.00000	22,500.00
0744	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	2,500.000 HRS	5.00000	12,500.00
0746	SPV.0060 Special 01. Concrete Barrier Transition Type NJ32SF to S36 Retaining Wall	2.000 EACH	_____.	_____.
0748	SPV.0060 Special 02. Concrete Barrier Transition Type NJ44SF to S39 Retaining Wall	2.000 EACH	_____.	_____.
0750	SPV.0060 Special 03. Concrete Barrier Transition Type NJ32SF to S36 Wide, Type 1	10.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0752	SPV.0060 Special 04. Concrete Barrier Transition Type NJ32SF to S36 Wide, Type 2	3.000 EACH	_____.	_____.
0754	SPV.0060 Special 05. Concrete Barrier Transition Type NJ32SF to S36 Wide, Type 3	1.000 EACH	_____.	_____.
0756	SPV.0060 Special 06. Concrete Barrier Transition Type S36 to S36 Wide, Type 1	9.000 EACH	_____.	_____.
0758	SPV.0060 Special 07. Concrete Barrier Transition Type S36 to S36 Wide, Type 2	3.000 EACH	_____.	_____.
0760	SPV.0060 Special 08. Concrete Barrier Transition Type S36A to S36 Split Retaining Wall	2.000 EACH	_____.	_____.
0762	SPV.0060 Special 09. Concrete Barrier Transition Type S36 to S42	11.000 EACH	_____.	_____.
0764	SPV.0060 Special 10. Concrete Barrier Transition Type S36 Wide to S42 Wide, Type 1	1.000 EACH	_____.	_____.
0766	SPV.0060 Special 11. Concrete Barrier Transition Type S36 Wide to S42 Wide, Type 2	1.000 EACH	_____.	_____.
0768	SPV.0060 Special 12. Concrete Barrier Transition Type S36A to S42A	1.000 EACH	_____.	_____.
0770	SPV.0060 Special 13. Concrete Barrier Transition Type S36A to S42A Retaining Wall	2.000 EACH	_____.	_____.
0772	SPV.0060 Special 14. Concrete Barrier Transition Type S42 to S42	1.000 EACH	_____.	_____.
0774	SPV.0060 Special 15. Concrete Barrier Transition Type S42A to S42A, Type 1	1.000 EACH	_____.	_____.
0776	SPV.0060 Special 16. Concrete Barrier Transition Type S42A to S42A, Type 2	2.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0778	SPV.0060 Special 17. Concrete Barrier Transition Type S42A to S42A, Type 3	1.000 EACH	_____.	_____.
0780	SPV.0060 Special 18. Concrete Barrier Transition Type S42 to S56, Type 1	35.000 EACH	_____.	_____.
0782	SPV.0060 Special 19. Concrete Barrier Transition Type S42 Wide to S56 Wide, Type 1	1.000 EACH	_____.	_____.
0784	SPV.0060 Special 20. Concrete Barrier Transition Type S42 Wide to S56 Wide, Type 2	1.000 EACH	_____.	_____.
0786	SPV.0060 Special 21. Concrete Barrier Transition Type S42A to S56A, Type 1A	2.000 EACH	_____.	_____.
0788	SPV.0060 Special 22. Concrete Barrier Transition Type S42A to S56A, Type 1B	2.000 EACH	_____.	_____.
0790	SPV.0060 Special 23. Concrete Barrier Transition Type S42A to S56A, Type 1	15.000 EACH	_____.	_____.
0792	SPV.0060 Special 24. Concrete Barrier Transition Type S42A to S56A, Type 2	3.000 EACH	_____.	_____.
0794	SPV.0060 Special 25. Concrete Barrier Transition Type S42A to S56A, Type 3	8.000 EACH	_____.	_____.
0796	SPV.0060 Special 26. Concrete Barrier Transition Type S42A to S56A, Type 4	3.000 EACH	_____.	_____.
0798	SPV.0060 Special 27. Concrete Barrier Transition Type S42A to S56A Retaining Wall	1.000 EACH	_____.	_____.
0800	SPV.0060 Special 28. Concrete Barrier Transition Type S56A to S56A	1.000 EACH	_____.	_____.
0802	SPV.0060 Special 29. Concrete Barrier Transition Type S56 to 56 Vertical	10.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0804	SPV.0060 Special 30. Concrete Barrier Transition Type S56 to 56 Vertical, Type 1	11.000 EACH	_____.	_____.
0806	SPV.0060 Special 31. Concrete Barrier Transition Type S56 to 56 Vertical, Type 2	1.000 EACH	_____.	_____.
0808	SPV.0060 Special 32. Concrete Barrier Transition Type S56 to 56 Vertical, Type 3	41.000 EACH	_____.	_____.
0810	SPV.0060 Special 33. Concrete Barrier Transition Type S56 to 56 Vertical, Type 4	1.000 EACH	_____.	_____.
0812	SPV.0060 Special 34. Concrete Barrier Transition Type S56A to 56A Vertical, Type 1A	2.000 EACH	_____.	_____.
0814	SPV.0060 Special 35. Concrete Barrier Transition Type S56A to 56A Vertical, Type 1B	2.000 EACH	_____.	_____.
0816	SPV.0060 Special 36. Concrete Barrier Transition Type S56A to 56A Vertical, Type 1	1.000 EACH	_____.	_____.
0818	SPV.0060 Special 37. Concrete Barrier Transition Type S56A to 56A Vertical, Type 2	15.000 EACH	_____.	_____.
0820	SPV.0060 Special 38. Concrete Barrier Transition Type S56A to 56A Vertical, Type 3	7.000 EACH	_____.	_____.
0822	SPV.0060 Special 39. Concrete Barrier Transition Type S56A to 56A Vertical, Type 4	13.000 EACH	_____.	_____.
0824	SPV.0060 Special 40. Concrete Barrier Transition Type S56A to 56A Vertical, Type 5	8.000 EACH	_____.	_____.
0826	SPV.0060 Special 41. Concrete Barrier Transition Type S56A to 56A Vertical Retaining Wall	2.000 EACH	_____.	_____.
0828	SPV.0060 Special 42. Concrete Barrier Transition Type 56 Vertical to 56 Vertical, Type 1	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0830	SPV.0060 Special 43. Concrete Barrier Transition Type 56 Vertical to 56 Vertical, Type 2	1.000 EACH	_____.	_____.
0832	SPV.0060 Special 44. Concrete Barrier Transition Type 56 Vertical to 56 Vertical, Type 3	1.000 EACH	_____.	_____.
0834	SPV.0060 Special 45. Concrete Barrier Transition Type S56 Wide to 56 Vertical, Type 1	1.000 EACH	_____.	_____.
0836	SPV.0060 Special 46. Concrete Barrier Transition Type S56 Wide to 56 Vertical, Type 2	1.000 EACH	_____.	_____.
0838	SPV.0060 Special 47. Repositioning Traffic Control Devices for Mainline Closures	226.000 EACH	_____.	_____.
0840	SPV.0060 Special 48. Traffic Control Close-Open Freeway Entrance Ramp	308.000 EACH	_____.	_____.
0842	SPV.0060 Special 49. Emergency Response to Traffic Incident Involving Concrete Barrier Temporary	12.000 EACH	_____.	_____.
0844	SPV.0060 Special 50. Emergency Response to Traffic Incident Involving Crash Cushion	12.000 EACH	_____.	_____.
0846	SPV.0060 Special 51. Emergency Response to Traffic Incident Involving Guard Rail or EAT	8.000 EACH	_____.	_____.
0848	SPV.0060 Special 52. Securing Structure Covers	20.000 EACH	_____.	_____.
0850	SPV.0060 Special 53. Storm Sewer Tap	31.000 EACH	_____.	_____.
0852	SPV.0060 Special 54. Concrete Cutoff Wall	5.000 EACH	_____.	_____.
0854	SPV.0060 Special 55. Connect Pipe Underdrain to Existing Structure	13.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0856	SPV.0060 Special 56. Install Lane Control Sign (LCS)	57.000 EACH	_____.	_____.
0858	SPV.0060 Special 57. Traffic Signal Standards Aluminum 6-FT	31.000 EACH	_____.	_____.
0860	SPV.0060 Special 58. Salvage Microwave Detector Equipment	20.000 EACH	_____.	_____.
0862	SPV.0060 Special 59. Utility Line Opening (ULO)	10.000 EACH	_____.	_____.
0864	SPV.0060 Special 60. Fiber Optic Connector, 4-CT, 1000-FT	3.000 EACH	_____.	_____.
0866	SPV.0060 Special 61. Fiberglass Cabinet, 12x12-Inch	3.000 EACH	_____.	_____.
0868	SPV.0060 Special 62. Install Type I Vertical Sign Support	16.000 EACH	_____.	_____.
0870	SPV.0060 Special 63. Median Inlet Concrete Pavement Blockout	327.000 EACH	_____.	_____.
0872	SPV.0060 Special 64. Outside Shoulder Adjusting Inlets Pavement Replacement	31.000 EACH	_____.	_____.
0874	SPV.0060 Special 65. Baseline CPM Progress Schedule	1.000 EACH	_____.	_____.
0876	SPV.0060 Special 66. CPM Progress Schedule Updates and Accepted Revisions	7.000 EACH	_____.	_____.
0878	SPV.0060 Special 67. Remove Catwalk	9.000 EACH	_____.	_____.
0880	SPV.0090 Special 01. Concrete Barrier Type S36 Wide, Type A	97.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0882	SPV.0090 Special 02. Concrete Barrier Type S36 Wide, Type B	93.000 LF	_____.	_____.
0884	SPV.0090 Special 03. Concrete Barrier Type S42	9,653.000 LF	_____.	_____.
0886	SPV.0090 Special 04. Concrete Barrier Type S42A	11,702.000 LF	_____.	_____.
0888	SPV.0090 Special 05. Concrete Barrier Type S42 Wide, Type A	525.000 LF	_____.	_____.
0890	SPV.0090 Special 06. Concrete Barrier Type S42 Wide, Type B	36.000 LF	_____.	_____.
0892	SPV.0090 Special 07. Concrete Barrier Type S42A Retaining Wall	138.000 LF	_____.	_____.
0894	SPV.0090 Special 08. Concrete Barrier Type S56A Retaining Wall	112.000 LF	_____.	_____.
0896	SPV.0090 Special 09. Concrete Barrier Type S56	3,964.000 LF	_____.	_____.
0898	SPV.0090 Special 10. Concrete Barrier Type S56A	3,793.000 LF	_____.	_____.
0900	SPV.0090 Special 11. Traffic Control Gawk Screen Furnished	4,912.000 LF	_____.	_____.
0902	SPV.0090 Special 12. Traffic Control Gawk Screen Installed	4,912.000 LF	_____.	_____.
0904	SPV.0090 Special 13. Temporary Marking Line Wet Reflective Contrast Removable Tape 4-Inch	81,661.000 LF	_____.	_____.
0906	SPV.0090 Special 14. Sawing Curb Head	375.000 LF	_____.	_____.
0908	SPV.0090 Special 15. Concrete Curb and Gutter HES 30-Inch Type A	75.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201208002 Project(s): 1206-06-79

Federal ID(s): WISC 2021019

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0910	SPV.0090 Special 16. Pipe Underdrain 6-Inch with Geotextile Fabric and Aggregate	2,243.000 LF	_____.	_____.
0912	SPV.0090 Special 17. Marking Line Epoxy Non-Reflective Black 6-Inch	13,925.000 LF	_____.	_____.
0914	SPV.0090 Special 18. Concrete Barrier Type S36 Retaining Wall	11.000 LF	_____.	_____.
0916	SPV.0090 Special 19. Concrete Barrier Type S39 Retaining Wall	15.000 LF	_____.	_____.
0918	SPV.0090 Special 20. Temporary Marking Line Wet Reflective Contrast Removable Tape 8-Inch	8,789.000 LF	_____.	_____.
0920	SPV.0105 Special 01. Survey Project 1206-06-79	LS	LUMP SUM	_____.
0922	SPV.0105 Special 02. Relocate Dual Arm, Median Mounted Lighting Unit	LS	LUMP SUM	_____.
0924	SPV.0105 Special 03. Conduit Routing (Verona Road East)	LS	LUMP SUM	_____.
0926	SPV.0105 Special 04. Conduit Routing (Verona Road West)	LS	LUMP SUM	_____.
0928	SPV.0105 Special 05. Install Catwalk	LS	LUMP SUM	_____.
0930	SPV.0105 Special 06. Relocate Bluetooth Detector Assembly	LS	LUMP SUM	_____.
0932	SPV.0165 Special 01. Fiber Wrap Reinforcing Non-Structural	320.000 SF	_____.	_____.
0934	SPV.0180 Special 01. Concrete Pavement Repair Overnight	242.000 SY	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0936	SPV.0180 Special 02. Concrete Pavement Replacement Overnight	300.000 SY	_____.	_____.
0938	SPV.0180 Special 03. Base Patching Concrete Overnight	2,191.000 SY	_____.	_____.
0940	210.2500 Backfill Structure Type B	1,008.000 TON	_____.	_____.
0942	532.5020 Butterfly 2-Chord NS (structure) 68. S-13-574	1.000 EACH	_____.	_____.
0944	532.5020 Butterfly 2-Chord NS (structure) 69. S-13-575	1.000 EACH	_____.	_____.
0946	532.5020 Butterfly 2-Chord NS (structure) 70. S-13-576	1.000 EACH	_____.	_____.
0948	603.1442 Concrete Barrier Type S42C	20.000 LF	_____.	_____.
0950	652.0800 Conduit Loop Detector	72.000 LF	_____.	_____.
0952	653.0905 Removing Pull Boxes	1.000 EACH	_____.	_____.
0954	655.0800 Loop Detector Wire	264.000 LF	_____.	_____.
0956	SPV.0060 Special 68. Pipe Bollard	2.000 EACH	_____.	_____.
0958	SPV.0060 Special 69. Adjusting Pull Boxes Concrete Reinforcement	1.000 EACH	_____.	_____.
0960	SPV.0090 Special 21. Concrete Pavement Repair Longitudinal Joint Overnight	100.000 LF	_____.	_____.

Section: 0001

Total: _____.

Total Bid: _____.

