



Wisconsin Department of Transportation

November 1, 2018

Division of Transportation Systems Development

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

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NOTICE TO ALL CONTRACTORS:

Proposal #01: 1007-11-79, WISC 2018 433
Illinois State Line – Madison
E Church Rd to Church St-SB
IH 39
Dane County

1007-11-80, WISC 2018 434
Illinois State Line – Madison
Church Street to CTH AB-SB
IH 39
Dane County

Letting of November 13, 2018

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
7	Utilities
49	Furnishing and Planting Plant Materials
69	High Performance Concrete (HPC) Masonry Structures, Item SPV.0035.700
88	Planting Living Snow Fence

Added Special Provisions	
Article No.	Description
108	Polymer Overlay, Item 509.5100.S
109	Weed Barrier Fabric, Item SPV.0180.513

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0100	Removing Pavement	SY	123,149	298	123,447
204.0220	Removing Inlets	EACH	16	-3	13
204.0245.003	Removing Storm Sewer 18-Inch	LF	1,504	-139	1,365
204.0270	Abandoning Culvert Pipes	EACH	1	1	2
204.9165.S	Removing Temporary Shoring Left In Place By Others	LF	12,010	-8,500	3,510

522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	280	14	294
608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	66	-24	42
638.2602	Removing Signs Type II	EACH	129	2	131
638.3000	Removing Small Sign Supports	EACH	136	4	140
646.1020	Marking Line Epoxy 4-Inch	LF	32,654	1,396	34,050
646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	276,264	-1,116	275,148
646.1555	Marking Line Grooved Contrast Permanent Tape 4-Inch	LF	69,119	-279	68,840
502.3200	Protective Surface Treatment **P**	SY	6,046	-3,440	2,606
SPV.0165.700	Longitudinal Grooving Bridge Deck **P**	SF	53,240	-31,485	21,755

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
305.0500	Shaping Shoulders	STA	0	812	812
625.0100	Topsoil	SY	0	10,560	10,560
509.5100.S	Polymer Overlay	SY	0	3,496	3,496
550.0500	Pile Points	EACH	0	112	112
SPV.0180.513	Weed Barrier Fabric	SY	0	31,366	31,366

Plan Sheets:

Revised Plan Sheets 1007-11-79	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
37	Removal Plan (updated removals/abandoning culvert pipes)
53	Plan Detail (revised grading detail)
61	Plan Detail (revised pipe configuration/location)
106	Erosion Control (revised pipe configuration/location)
126	Planting Details (added note to compact salvaged topsoil and topsoil special)
128	Living Snow Fence and Seeding Details (revised dimensions, changed mulch to fabric)
155	Site B2: USH 51-STH 73 Plant Schedule (replaced table for clarity)
160	Site B5: Edgerton Road Plant Schedule (replaced table for clarity)
164	Site B3: Maple Grove Planting Schedule (replaced table for clarity)
170	Site B6: USH 51 Planting Schedule (replaced table for clarity)
174	Site B7: CTH A Plant Schedule (replaced table for clarity)
178	Site B9: CTH BN Plant Schedule (replaced table for clarity)
182	Site B10: Church Street Plant Schedule (replaced table for clarity)
196	Site B12: CTH N Plant Schedule (replaced table for clarity)
204	Site B14: CTH AB Plant Schedule (replaced table for clarity)
272	Pavement Marking (added epoxy items on bridge deck)
280	Pavement Marking (added epoxy items on bridge deck)
367	Miscellaneous Quantities (revised item schedule)
372	Miscellaneous Quantities (revised item schedule)
375	Miscellaneous Quantities (added Topsoil and Shaping Shoulders items)
377	Miscellaneous Quantities (revised item schedule)
382	Miscellaneous Quantities-3 (added column for Weed Barrier Fabric)
422	Plan and Profile (revised pipe configuration/location)
574	Structure Plan (revisions to plan)
575	Structure Plan (revisions to plan)

576	Structure Plan (revisions to quantities)
577	Structure Plan (revisions to plan)
582	Structure Plan (revisions to plan)
585	Structure Plan (revisions to plan)
590	Structure Plan (revisions to plan)
591	Structure Plan (revisions to plan)
605	Structure Plan (revisions to plan)
607	Structure Plan (revisions to quantities)
608	Structure Plan (revisions to plan)
613	Structure Plan (revisions to plan)
618	Structure Plan (revisions to plan)
638	Structure Plan (revisions to plan)
639	Structure Plan (revisions to plan)
640	Structure Plan (revisions to quantities)
661	Structure Plan (revisions to plan)
664	Structure Plan (revisions to plan)
Revised Plan Sheets 1007-11-80	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
8	Existing Typical Section (revised existing wire wall description)
45	Removals (added pavement removal for concrete flumes)
46	Removals (removed temporary shoring removal)
47	Removals (removed temporary shoring removal)
133	Storm Sewer (revised plan and profile views to show portion of pipe as existing – installed in previous contract)
134	Storm Sewer (revised plan and profile views to show portion of pipe as existing – installed in previous contract)
135	Storm Sewer (revised plan and profile views to show portion of pipe as existing – installed in previous contract)
177	Permanent Signing & Pavement Marking (revised to show SIS sign and existing sign removal)
180	Permanent Signing & Pavement Marking (revised to show SIS sign and existing sign removal)
190	Permanent Signing & Pavement Marking (revised markings on SB bridge)
267	Miscellaneous Quantities (revised item schedule)
268	Miscellaneous Quantities (revised item schedule)
273	Miscellaneous Quantities (revised item schedule)
275	Miscellaneous Quantities (revised item schedule)
278	Miscellaneous Quantities (revised item schedule)
521	Structure Plan (revisions to plan)
522	Structure Plan (revisions to plan)
523	Structure Plan (revisions to quantities)
525	Structure Plan (revisions to plan)
527	Structure Plan (revisions to plan)
540	Structure Plan (revisions to plan)
542	Structure Plan (revisions to plan)
543	Structure Plan (revisions to plan)
544	Structure Plan (revisions to quantities)
554	Structure Plan (revisions to plan)
555	Structure Plan (revisions to plan)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
544A	Standard Sign I56-50 (omitted in advertised plans)

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

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 02
1007-11-79/1007-11-80
November 1, 2018

Special Provisions

3. Prosecution and Progress

Add the following:

Coordinate installation of the ITS conduit to avoid conflicts with the installation of the living snow fence.

7. Utilities

Add the following:

Native Prairie Seeding and Tree/Shrub Planting sites

There are underground and overhead utility facilities located within the native prairie seeding and tree/shrub planting sites limits. No utility relocations are necessary for this work. Coordinate planting activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per statutes. Use caution to insure the integrity of underground facilities and maintain code clearance from overhead facilities at all times. Adjustments to the locations of the trees/shrubs may be necessary, as directed by the Corridor Vegetation Inspector, if it becomes evident that there is a utility conflict or one that could occur in the future.

The following utility companies have facilities within or near the planting sites.

Alliant Energy (WP&L) electric
Alliant Energy (WP&L) gas
ANR Pipeline Company
AT&T Wisconsin
ATC Management, Inc.
Charter Communications
Frontier Communications of WI LLC
Windstream KDL, LLC

49. Furnishing and Planting Plant Materials

Add the following to section titled "Supplement standard spec 632.5.1 (2) with the following":

Payment for Weed Barrier Fabric will be paid for separately.

69. High Performance Concrete (HPC) Masonry Structures, Item SPV.0035.700

Replace section titled 502.3.7.8 Floors with the following:

502.3.7.8 Floors
Delete paragraph 13.

Replace paragraphs 14 and 15 with the following:

- (14) If staging requires public traffic on bridge deck prior to polymer overlay application, transversely tine finish the floors of structures with approach pavements designed for speeds of 40 mph or greater as specified in 415.3.8.3, except make the tining 1/8 inch in depth and do not perform tining within 12 inches of gutters. The contractor may apply a broom finish, described below, instead of the artificial turf drag finish required before tining. The contractor may perform tining manually, if it obtains a finish satisfactory to the engineer. Perform tining within 20 degrees of the centerline of bearing of the substructure units on bridge decks having skew angles of 20 degrees or greater.
- (15) If providing a broom finish, draw the broom transversely across the full width of the pavement with adjacent strokes slightly overlapping. Perform brooming to produce uniform corrugations and approximately 1/8 inch in depth. Complete brooming before concrete hardens and this operation tears or roughens the surface. Brooming shall provide a surface free from rough or porous areas, irregularities, and depressions that result from improper broom handling. Furnish brooms of a sufficient quality, size and construction, and operate them to produce a surface finish the engineer approves. Provided the contractor obtains satisfactory results, the engineer will allow manual brooming instead of mechanical brooming.

Add the following to the end as paragraphs 19, 20 and 21:

- (19) Do not place bridge deck concrete more than 10 feet ahead of the finishing machine. If there is a delay of more than 10 minutes during the placement of a bridge deck, cover all concrete (unfinished and finished) with wet burlap to protect the concrete from evaporation until placement operations resume.
- (20) Hand finishing, except for the edge of deck, must be kept to a minimum. The finishing machine must be equipped with a pan behind the screed. Apply micro texture using a broom or turf drag following the use of a 10-foot straight edge. Only finish by hand as necessary to close up finished concrete. Begin wet curing the deck immediately following the micro texture.
- (21) For bridge decks with a design speed of 40 mph or greater that will not receive a polymer overlay under this contract, provide longitudinal grooving according to the provision included in this contract. For bridges receiving a polymer overlay under this contract, provide longitudinal grooving on structural approach slabs according to the provision in this contract.

88. Planting Living Snow Fence

*Replace the last paragraph under section titled **B Materials** with the following::*

Geotextile weed barrier requirements are contained a separate article.

*Add the following under section titled **C Construction**:*

A geotextile weed barrier shall be placed around the living snow fence plants as shown in the plan detail.

*Add the following under section titled **E Payment**:*

Providing and installing weed barrier fabric shall be paid for under the Weed Barrier Fabric bid item.

108. Polymer Overlay, Item 509.5100.S.

A Description

This special provision describes providing two layers of a two-component polymer overlay system to the bridge decks the plans show.

B Materials

B.1 General

Furnish materials specifically designed for use over concrete bridge decks. Furnish polymer liquid binders from the department's approved product list.

B.2 Polymer Resin

Furnish a polymer resin base and hardener composed of two-component, 100 percent solids, 100 percent reactive, thermosetting compound with the following properties:

Property	Requirements	Test Method
Gel Time ^[1]	15 - 45 minutes @ 73° to 75° F	ASTM C881
Viscosity ^[1]	7 - 70 poises	ASTM D2393, Brookfield RVT, Spindle No. 3, 20 rpm
Shore D Hardness ^[2]	60-75	ASTM D2240
Absorption ^[2]	1% maximum at 24 hr	ASTM D570
Tensile Elongation ^[2]	30% - 70% @ 7 days	ASTM D638
Tensile Strength ^[2]	2000 to 5000 psi @ 7 days	ASTM D638
Chloride Permeability ^[2]	<100 coulombs @ 28 days	AASHTO T277

^[1] Uncured, mixed polymer binder

^[2] Cured, mixed polymer binder

Ensure that the polymer resin when mixed with aggregate has the following properties:

Property	Requirement ^[1]	Test Method
Minimum Compressive Strength	1,000 psi @ 8 hrs 5,000 psi @ 24 hrs	ASTM C579 Method B, Modified ^[2]
Thermal Compatibility	No Delaminations	ASTM C884
Minimum Pull-off Strength	250 psi @ 24 hrs	ASTM C1583

^[1] Based on samples cured or aged and tested at 75°F

^[2] Plastic inserts that will provide 2-inch by 2-inch cubes shall be placed in the oversized brass molds.

B.3 Aggregates

Furnish natural or synthetic aggregate that is non-polishing; clean; free of surface moisture; fractured or angular in shape; free from silt, clay, asphalt, or other organic materials; and conform to the following:

Aggregate Properties

Property	Requirement	Test Method
Moisture Content ^[1]	1/2 of the measured aggregate absorption, %	ASTM C566
Hardness	≥6.5	Mohs Scale
Fractured Faces	100% with at least 1 fractured face & 80% with at least 2 fractured faces of material retained on No.16	ASTM D5821
Absorption	≤1%	ASTM C128

^[1] Sampled and tested by the department before placement.

Gradation

Sieve Size	% Passing by Weight
No. 4	100
No. 8	30 – 75
No. 16	0 – 5
No. 30	0 – 1

B.4 Approval of Bridge Deck Polymer Overlay System

A minimum of 20 working days before application, submit product data sheets and specifications from the manufacturer, and a certified report of test or analysis from an independent laboratory to the engineer for approval. The department will sample and test the aggregates for gradation and moisture content before placement. If requested, supply the department with samples of the polymer for the purpose of acceptance testing.

B.4.1 Product Data Sheets and Specifications

Product data sheets and specifications from the manufacture consists of literature from the manufacturer showing general instructions, application recommendations/methods, product properties, general instructions, or any other applicable information.

B.4.2 Certified Report of Test or Analysis

Conform to the following:

Polymer Binder: Submit a certified report of test or analysis from an independent laboratory dated less than 3 years before the date of the project letting showing the polymer binder meets the requirements of section B.2.

Aggregates: Submit a certified report of test or analysis from an independent laboratory dated less than 6 months before the date of the project letting showing the aggregates meet the requirements of section B.3.

C Construction

C.1 General

Ensure that the overlay system is 1/4 inch thick or thicker.

Conform to the following:

Field Review: Conduct a field review of the existing deck to identify any possible surface preparation and material compatibility issues.

Pre-Installation Meeting: Conduct a pre-installation meeting with the manufacturer's representative and the engineer before construction. Discuss the field review findings, verification testing of the surface preparation and establish procedures for maintaining optimum working conditions and coordination of work. Furnish the engineer a copy of the recommended procedures and apply the overlay system according to the manufacturer's instructions. Supply for the

engineer's use for the duration of the project, a Concrete Surface Profile (CSP) chip set of 10 from the International Concrete Repair Institute (ICRI).

Manufacturer's Representative: An experienced manufacturer's representative familiar with the overlay system installation procedures shall be present at all times during surface preparation and overlay placement to provide quality assurance that the work is being performed properly. This requirement may be reduced at the engineer's discretion.

Material Storage: Store and handle materials according to the manufacturer's recommendations. Store resin materials in their original containers in a dry area. Store all aggregates in a dry environment and protect aggregates from contaminants on the job site.

C.2 Deck Preparation

C.2.1 Deck Repair

Remove all asphaltic patches and unsound or disintegrated areas of the concrete decks as the plans show, or as the engineer directs. Work performed to repair the concrete deck will be paid for under other items. Ensure that products used for deck patching are compatible with the polymer overlay system.

NOTE: Some polymer systems require concrete patch material to be in place a minimum of 28-days before overlaying - contact polymer manufacturer before completing deck patching/repair.

C.2.2 Surface Preparation

Determine an acceptable shotblasting machine operation (size of shot, flow of shot, forward speed, and/or number of passes) that provides a surface profile meeting CSP 5 (medium-heavy shotblast) according to the ICRI Technical Guideline No. 310.2. If the engineer requires additional verification of the surface preparation, test the tensile bond strength according to ASTM C1593. The surface preparation will be considered acceptable if the tensile bond strength is greater than or equal to 250 psi or the failure area at a depth of 1/4 inches or more is greater than 50 percent of the test area. Continue adjustment of the shotblasting machine and necessary testing until the surface is acceptable to the engineer or a passing test result is obtained.

Prepare the entire deck using the final accepted adjustments to the shotblasting machine as determined above. Thoroughly blast clean with hand-held equipment any areas inaccessible by the shotblasting equipment. Do not perform surface preparation more than 24 hours before the application of the overlay system.

Protect drains, expansion joints, access hatches, or other appurtenances on the deck from damage by the shot and sand blasting operations and from materials adhering and entering. Tape or form all construction joints to provide a clean straight edge.

Before shot blasting, remove pavement markings within the treatment area using an approved mechanical or blasting method.

Prepare the vertical concrete surfaces adjacent to the deck a minimum of 2" above the overlay according to SSPC-SP 13 (free of contaminants, dust, and loose concrete) by sand blasting, using wire wheels, or other approved method.

Just before overlay placement, clean all dust, debris, and concrete fines from the prepared surfaces including the vertical surfaces with compressed air. When using compressed air, the air stream must be free of oil. Any grease, oil, or other foreign matter that rests on or has absorbed into the concrete shall be removed completely. If prepared surfaces (including the first layer of the polymer overlay) are exposed to rain or dew, lightly sandblast (brush/breeze blast) the exposed surfaces.

The engineer may consider alternate surface preparation methods per the overlay system manufacturer's recommendations. The engineer will approve the final surface profile and deck cleanliness before the contractor placing the polymer overlay.

C.2.3 Transitional Area

If the plans show, create a transitional area approaching transverse expansion joints and ends of the deck using an approved mechanical or blasting method. Remove 1/4 inch to 5/16 inch of concrete adjacent to the joint or end of deck and taper a distance of 3 feet.

If the plans show, create a transitional area on the approach pavement. Prep and place the first lift 3 feet beyond the end of the deck the same width as the deck. Prep and place the second lift 6 feet beyond the end of the deck the same width as the deck.

C.3 Overlay Application

Perform the handling and mixing of the polymer resin and hardening agent in a safe manner to achieve the desired results according to the manufacturer's instructions. Do not apply the overlay system if any of the following exists:

1. Ambient air temperature is below 50 F or above 100 F.
2. Deck temperature is below 50 F.
3. Moisture content in the deck exceeds 4.5 percent when measured by an electronic moisture meter or shows visible moisture after 2 hours when measured in accordance with ASTM D4263.
4. Rain is forecasted during the minimum curing periods listed under C.5.
5. Materials component temperatures below 65 F or above 99 F.
6. Concrete age is less than 28 days unless approved by the engineer.
7. The deck temperature exceeds 100 F.
8. If the gel time is 10 minutes or less at the predicted high air temperature for the day.

After the deck has been shotblasted or during the overlay curing period, only necessary surface preparation and overlay application equipment will be allowed on the deck. Provide appropriate protective measures to prevent contamination from equipment allowed on the deck during preparation and application operations. Begin overlay placement as soon as possible after surface preparation operations.

The polymer overlay shall consist of a two-course application of polymer and aggregate. Each of the two courses shall consist of a layer of polymer covered with a layer of aggregate in sufficient quantity to completely cover the polymer. Apply the polymer and aggregate according to the manufacturer's requirements. Apply the overlay using equipment designed for this purpose. The application machine shall feature positive displacement volumetric metering and be capable of storing and mixing the polymer resins at the proper mix ratio. Disperse the aggregate using a method that provides a uniform, consistent coverage of aggregate and minimizes aggregate rolling or bouncing into final position. First course applications that do not receive enough aggregate before the polymer gels shall be removed and replaced. A second course applied with insufficient aggregate may be left in place, but will require additional applications before opening to traffic.

After completion of each course, cure the overlay according to the manufacturer's instructions. Follow the minimum cure times listed under C.5 or as prescribed by the manufacturer. Remove the excess aggregate from the surface treatment by sweeping, blowing, or vacuuming without tearing or damaging the surface; the material may be re-used if approved by the engineer and manufacturer. Apply all courses of the overlay system before opening the area to traffic. Do not allow equipment or traffic on the treated area until directed by the engineer.

After the first layer of coating has cured to the point where the aggregate cannot be pulled out, apply the second layer. Before applying the second layer, broom and blow off the first layer with compressed air to remove all loose excess aggregate.

Before opening to traffic, clean expansion joints and joint seals of all debris and polymer. A minimum of 3 days following opening to traffic, remove loosened aggregates from the deck, expansion joints, and approach pavement.

C.4 Application Rates

Apply the polymer overlay in two separate courses in accordance with the manufacturer's instructions, but not less than the following rate of application.

Course	Minimum Polymer Rate ^[1] (GAL/100 SF)	Aggregate ^[2] (LBS/SY)
1	2.5	10+
2	5.0	14+

^[1] The minimum total applications rate is 7.5 GAL/100 SF.

^[2] Application of aggregate shall be of sufficient quantity to completely cover the polymer.

C.5 Minimum Curing Periods

As a minimum, cure the coating as follows:

	Average temperature of deck, polymer and aggregate components in degrees F							
Course	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99
1	6 hrs.	5 hrs.	4 hrs.	3 hrs.	2.5 hrs	2 hrs	1.5 hrs.	1 hr.
2	8 hrs.	6.5 hrs.	6.5 hrs.	5 hrs.	4 hrs.	3 hrs.	3 hrs.	3 hrs.

If faster cure times are desired and achievable, submit to the engineer a certified test report from an independent laboratory showing the material is able to reach a compressive strength of 1000 psi as tested per ASTM C 579 Method B within the temperature ranges and cure times for which the product is proposed to be placed. Establish ambient air, material, and substrate temperatures from the manufacturer for field applications. Field applications will not be allowed below the documented temperatures.

C.6 Repair of Polymer Overlay

Repair all areas of unbonded, uncured, or damaged polymer overlay for no additional compensation. Submit repair procedures from the manufacturer to the engineer for approval. Absent a manufacturer's repair procedures and with the approval of the engineer, complete repairs according to the following: Saw cut the limits of the area to the top of the concrete; remove the overlay by scarifying, grinding, or other approved methods; shot blast or sand blast and air blast the concrete before placement of polymer overlay; and place the polymer overlay according to section C.3.

D Measurement

The department will measure Polymer Overlay by the square yard 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
509.5100.S	Polymer Overlay	SY

Payment is full compensation for preparing the surface; for tensile bond testing; for creating the transitional area; for providing the overlay; for cleanup; and for sweeping/vacuuming and disposing of excess materials.

The department will pay separately for Concrete Deck Repair.

stp-509-030 (20170615)

109. Weed Barrier Fabric, Item SPV.0180.513

A Description

This special provision describes furnishing and installing a geotextile fabric for groundcover around trees and plants as shown in the plans.

B Materials

Furnish geotextile fabric that is a woven polypropylene that allows air, water, and nutrients to pass through but prevents the growth of weeds and grasses. The material must be insect, rodent, mildew, and rot resistant and be delivered in a wrapping that protects it from ultraviolet radiation and from abrasion due to shipping and hauling. Keep material dry until installed. Clearly mark rolls to show material type.

The fabric must be UV resistant and have a written 5-year guarantee from the manufacturer. The geotextile must meet or exceed the following physical properties:

TEST	METHOD	VALUE
Minimum weight	ASTM D5261	3.0 oz/sy
Minimum grab tensile strength	ASTM D4632	175 lbs x 115 lbs
Minimum apparent breaking elongation	ASTM D4632	25%
Minimum puncture strength	ASTM D6241	70 lbs
Minimum trapezoid tear strength	ASTM 4533	75 lbs x 60 lbs
Minimum water permeability	ASTM 4491	15 gpm/sf
Ultraviolet exposure	ASTM D4355	70% strength after 2500 hrs xenon arc exposure

C Construction

Remove construction materials, stone, or other debris larger than 2" in length or diameter, debris, and trash from area receiving Weed Barrier Fabric. Lay the fabric flat on the smoothed soil and fit as close to the plants as possible. Provide a 4-inch overlap at adjoining sheets. Secure the fabric with T-shaped steel pin anchors sufficiently long to prevent the fabric from moving.

D Measurement

The department will measure Weed Barrier Fabric by the square yard, 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.0180.513	Weed Barrier Fabric	SY

Payment is full compensation for preparing the planting areas for fabric, furnishing and installing all materials and for furnishing all labor, tools, equipment, and incidentals necessary to complete the contract work.

Schedule of Items

Attached, dated November 1, 2018, are the revised Schedule of Items Pages 1 – 3, 6, 8, 12, 20, 21, and 29.

Plan Sheets

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

1007-11-79













Revised: 37, 53, 61, 106, 126, 128, 155, 160, 164, 170, 174, 178, 182, 196, 204, 272, 280, 367, 372, 375, 377, 382, 422, 574 – 577, 582, 585, 590, 591, 605, 607, 608, 613, 618, 638 – 640, 661, and 664.

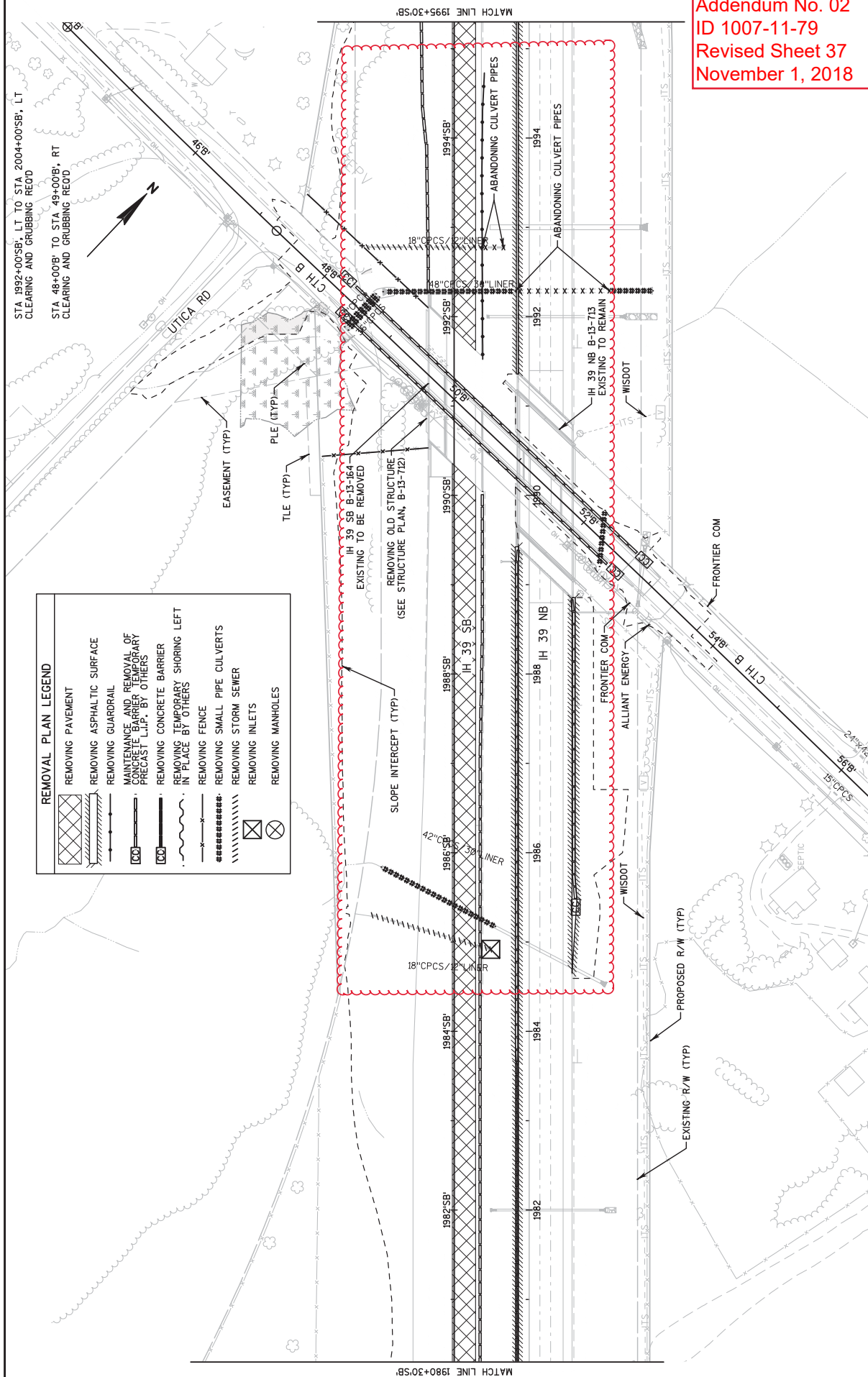
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1007-11-80

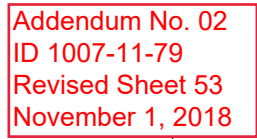
Added: 8, 45 – 47, 133 – 135, 177, 180, 190, 267, 268, 273, 275, 278, 521 – 523, 525, 527, 540, 542 – 544, 554, and 555.

END OF ADDENDUM

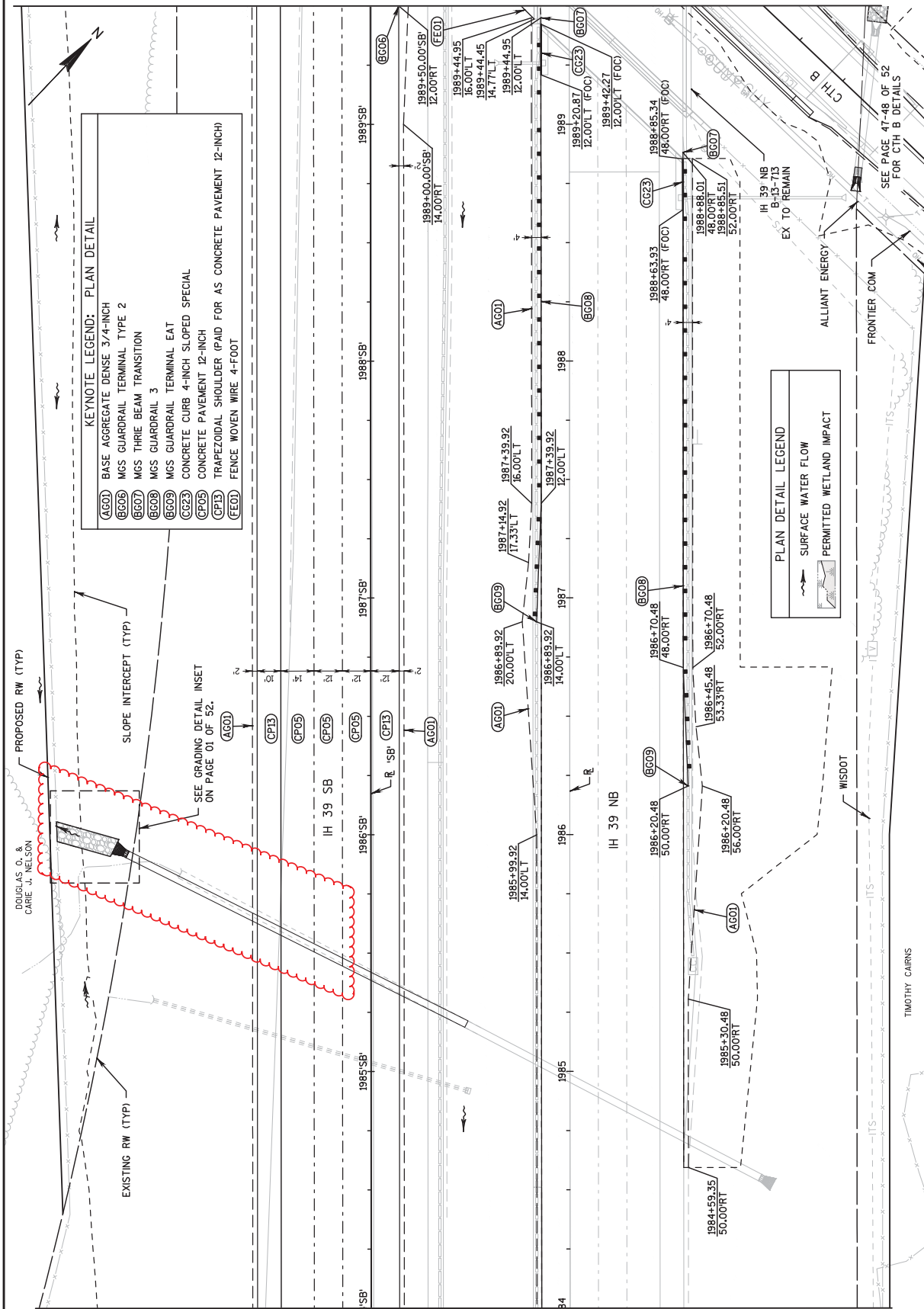
REMOVAL PLAN LEGEND	
	REMOVING PAVEMENT
	REMOVING ASPHALTIC SURFACE
	REMOVING GUARDRAIL
	MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST "LULP" BY OTHERS
	REMOVING CONCRETE BARRIER
	REMOVING TEMPORARY SHORING LEFT IN PLACE BY OTHERS
	REMOVING FENCE
	REMOVING SMALL PIPE CULVERTS
	REMOVING STORM SEWER
	REMOVING INLETS
	REMOVING MANHOLES
	



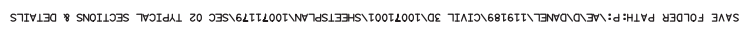
Addendum No. 02
ID 1007-11-79
Revised Sheet 37
November 1, 2018
















PROJECT NO: 1007-11-79	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 01 OF 52	SHEET 53
FILE NAME : 021200_PD (PLAN DETAILS).DWG		PLOT DATE : 10/31/2018 8:35 AM		PLOT BY : SEH LAYOUT NAME : 01	
				PLOT SCALE : 1.0 IN = 40.0 FT	
				WISDOT/CADDIS SHEET 42	

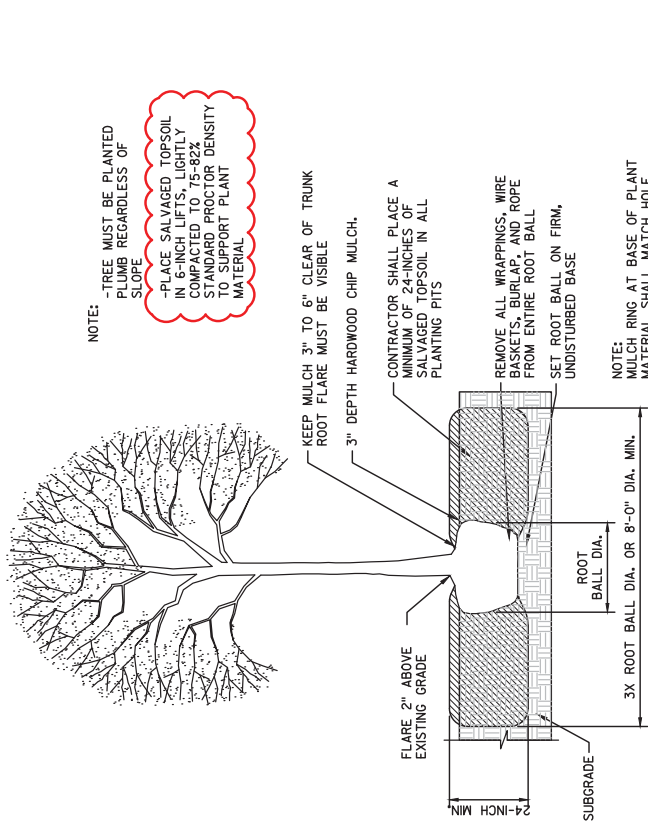


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EROSION CONTROL LEGEND	
	SLOPE STABILIZER TYPE A
	EROSION MAT CLASS I TYPE B
	EROSION MAT URBAN CLASS I TYPE B
	SILT FENCE
	SLOPE INTERCEPT
	INLET PROTECTION
	TEMPORARY DITCH CHECK
	STONE OR ROCK DITCH CHECKS
	CULVERT PIPE CHECK
	SURFACE WATER FLOW
	EROSION BAILE
	SILT FENCE RELIEF (ROCK BAGS)
	COMPOST TUBES

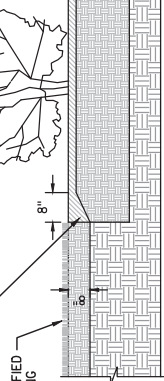
PROJECT NO: 1007-11-79		HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 02 OF 09	SHEET 106
FILE NAME : 020000.EC (EROSION CONTROL).DWG		PLOT DATE : 10/31/2018 8:43 AM		PLOT BY : SDH	LAYOUT NAME : 02	PLOT SCALE : 1.0 IN = 100.0 FT
						WISDOT/CADDIS SHEET 42



1 NON-BED TREE PLANTING DETAIL

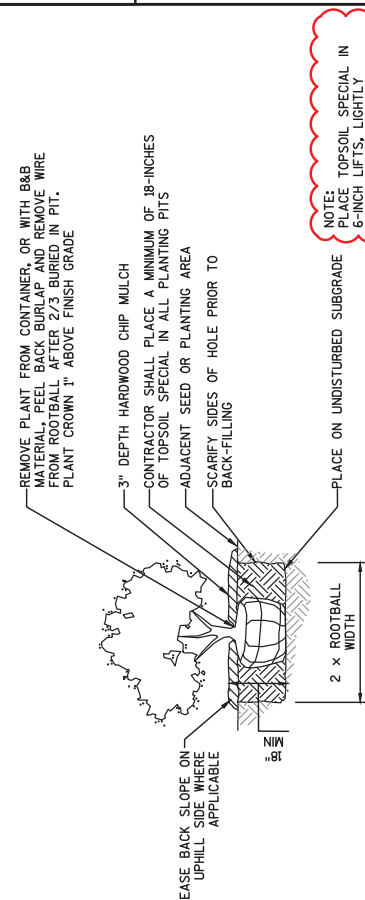
NOT TO SCALE

SHOVEL CUT EDGE WITH HARDWOOD CHIP MULCH BACKFILLED AND TAMPED WITH FOOT



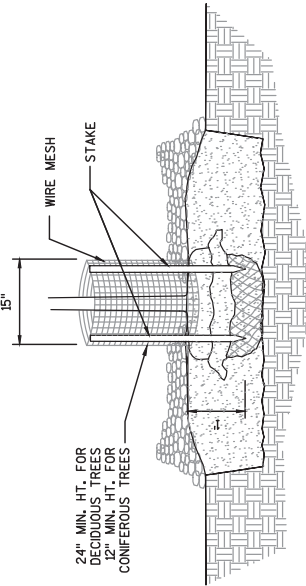
3 SHOVEL CUT EDGE & BED DETAIL

NOT TO SCALE



2 SHRUB PLANTING DETAIL

NOT TO SCALE

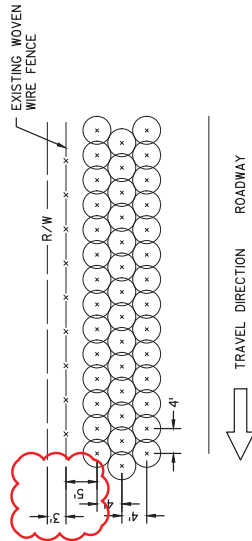


4 RODENT PROTECTION

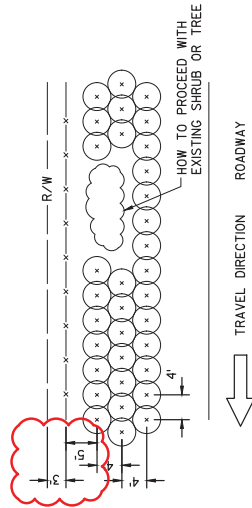
NOT TO SCALE

Addendum No. 02
ID 1007-11-79
Revised Sheet 126
November 1, 2018

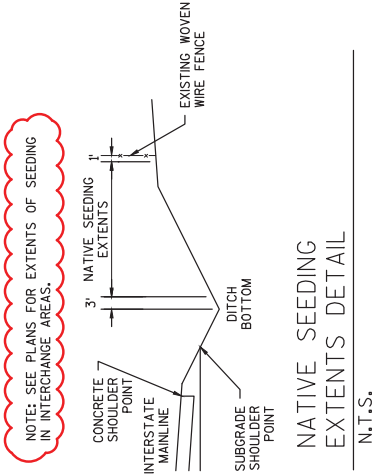
1. FORM A DOUBLE-LAYERED CYLINDER USING 0.25" GRID GALVANIZED WELDED WIRE MESH (HARDWARE CLOTH). OVERLAP THE CUT END 2".
2. DRIVE TWO 1" X 1" OPPOSING HEARTWOOD WHITE OAK STAKES INTO THE GROUND, 7" FROM THE CENTER OF THE TREE STEM.
3. SECURE THE MESH CYLINDER TO THE OUTSIDE OF THE STAKES USING EITHER, SCREWS AND WASHERS OR CABLE-TIES ALONG THE OVERLAP.
 - A. SCREWS SHALL BE ROUND HEAD GALVANIZED 1/8" DIA. X 3/4" LONG WITH WASHERS.
 - B. CABLE-TIES SHALL BE NYLON, AT LEAST 8" LONG AND BETWEEN 75LB TO 120LB TENSILE STRENGTH.
4. EMBED THE LOWER EDGE OF THE MESH CYLINDER 1" BELOW THE SOIL SURFACE WITHOUT DISTURBING THE TREE ROOTS.
5. CUT EDGES WILL NOT BE PERMITTED AT THE TOP OF THE CYLINDER. STAKE WILL BE FLUSH WITH THE TOP OF THE CYLINDER.
6. MULCH WITHIN THE CYLINDER SHALL NOT EXCEED 3" DEPTH AND SHALL BE PULLED BACK FROM THE TRUNK AS SPECIFIED IN MULCH PLACEMENT DETAIL.
7. THE BOTTOM WHORL OF PINE AND LARCH BRANCHES MAY HAVE TO BE REMOVED TO PERMIT INSTALLATION OF 12" MIN. HEIGHT RODENT GUARDS.
8. INSTALL ON ALL DECIDUOUS, PINE AND LARCH TREES. DO NOT PLACE ON SPRUCE TREES.



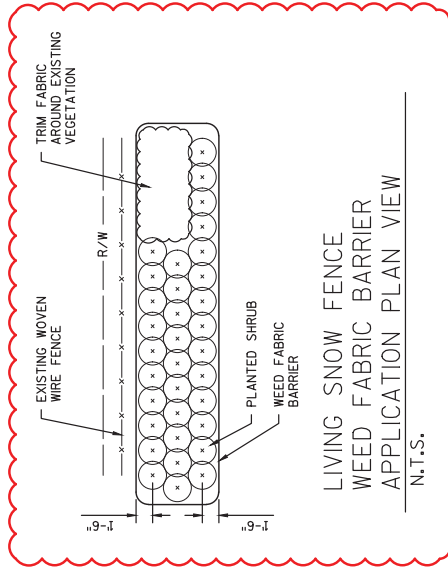
LIVING SNOW FENCE DETAIL
N.T.S.



LIVING SNOW FENCE WITH EXISTING
TREE OR SHRUB DETAIL
N.T.S.



NATIVE SEEDING
EXTENTS DETAIL
N.T.S.



LIVING SNOW FENCE
WEED FABRIC BARRIER
APPLICATION PLAN VIEW
N.T.S.

Addendum No. 02
ID 1007-11-79
Revised Sheet 128
November 1, 2018

TREES AND SHRUBS PLANT DATA TABLE

Symbol	Common Name	Scientific Name	Type	Average Mature Height	Size When Planted	Root Zone Mode	Minimum Size				Brace or Guy	Fertilizer Units Required	Rodent Protection Required	Mulch Ring Required	Plant Bed Detail	Each
							Ball/Pot Diameter	Depth	Root Spread	Plant Hole Diameter	Depth					
	SHADE TREES															
CH	Hackberry, Common	<i>Celtis occidentalis</i>	2 T	40-55' Ht.	2 1/2" Cal.	B&B	28"	17"	—	8'	17"	6	Yes	*	—	26
SH	Hickory, Shagbark	<i>Carya ovata</i>	1 T	60-80' Ht.	2 1/2" Cal.	B&B	28"	17"	—	8'	17"	6	Yes	*	—	17
ABM	Maple, Autumn Blaze	<i>Acer x freemanii 'Jeffersred'</i>	1 T	60-75' Ht.	2 1/2" Cal.	B&B	28"	17"	—	8'	17"	6	Yes	*	—	34
SBO	Oak, Swamp x Bur	<i>Quercus x schuetti</i>	1 T	50-70' Ht.	2" Cal.	B&B	24"	14"	—	8'	14"	4	Yes	*	—	22
BW	Willow, Black	<i>Salix nigra</i>	1 T	30-50' Ht.	2 1/2" Cal.	B&B	28"	17"	—	8'	17"	6	Yes	*	—	17
	ORNAMENTAL TREES															
PC	Crabapple, Prairie	<i>Malus ioensis</i>	3 T	20-30' Ht.	6' Ht.	B&B	24"	14"	—	8'	14"	4	Yes	*	—	19
PD	Dogwood, Pagoda	<i>Cornus alternifolia</i>	4 T	15-25' Ht.	6' Ht.	B&B	24"	14"	—	8'	14"	4	Yes	*	—	26
TCH	Hawthorn, Thornless Cockspur	<i>Crataegus crus-galli var. inermis</i>	3 T	20-30' Ht.	6' Ht.	B&B	24"	14"	—	8'	14"	4	Yes	*	—	25
	SHRUBS															
GBC	Chokeberry, Glossy Black	<i>Aronia melanocarpa var. elata</i>	3 S	5-7' Ht.	3' Ht./ #5	CONT	14"	9"	—	36"	15"	3	No	*	B,C	96
SS	Sumac, Staghorn	<i>Rhus typhina</i>	3 S	10-15' Ht.	3' Ht./ #5	CONT	14"	9"	—	36"	15"	3	No	*	A,D	72

* BARK MULCH RING AT BASE OF PLANT MATERIAL, SEE PLANTING DETAILS.
 ** PROVIDE BRACE SPECIFICATIONS FOR 1/4 THE TOTAL QUANTITY OF TREES;
 LOCATIONS DETERMINED BY THE CORRIDOR VEGETATION INSPECTOR.

LEGEND

B&B BALLED AND BURLAPPED
 CONT. CONTAINER GROWN
 Ht. HEIGHT
 Cal. CALIPER
 SPV SPECIAL PROVISIONS

Addendum No. 02
 ID 1007-11-79
 Revised Sheet 155
 November 1, 2018

PROJECT NO:1007-II-79

HWY: IH 39

COUNTY: DANE

SITE B2: USH 51-STH 73

PLANT SCHEDULE

SHEET

155

E

FILE NAME : P:\XEDAW-PROJECTS\2014\1-39\900-CAD-GIS\910 CAD_BIM\A02-SHEETS\A-USH61-SHT73-PLANT SCHEDULE.DWG

LAYOUT NAME - ****

PLOT DATE : 10/25/2018 10:37 AM

PLOT BY : KOSTAMO, LISA

PLOT NAME :

PLOT SCALE : *****

WISDOT/CADD SHEET 42

TREES AND SHRUBS PLANT DATA TABLE

Symbol	Common Name	Scientific Name	Type	Average Mature Height	Size When Planted	Root Zone Mode	Minimum Size			Brace or Guy	Fertilizer Units Required	Rodent Protection Required	Mulch Ring Required	Plant Bed Detail	Each
							Ball/Pot	Root Spread	Plant Hole						
							Diameter	Depth	Diameter	Depth					
SHADE TREES															
EKC	Coffeetree, Kentucky 'Espresso'	<i>Gymnocladus dioica 'Espresso'</i>	2 T	60-75' Ht.	2" Cal.	B&B	24"	14"	8"	14"	4	Yes	*	—	10
AL	Linden, American	<i>Tilia americana</i>	1 T	60-80' Ht.	2" Cal.	B&B	24"	14"	8"	14"	4	Yes	*	—	8
BO	Oak, Bur	<i>Quercus macrocarpa</i>	1 T	60-80' Ht.	2" Cal.	B&B	24"	14"	8"	14"	4	Yes	*	—	16
NPO	Oak, Northern Pin	<i>Quercus ellipsoidalis</i>	1 T	50-60' Ht.	2" Cal.	B&B	24"	14"	8"	14"	4	Yes	*	—	10
ORNAMENTAL TREES															
CC	Chokecherry	<i>Prunus virginiana</i>	3 T	20-30' Ht.	6" Ht.	B&B	24"	14"	8"	14"	4	Yes	*	—	16
ER	Redbud, Eastern	<i>Cercis canadensis</i>	3 T	20-30' Ht.	7" Ht.	B&B	24"	14"	8"	14"	4	Yes	*	—	9
SHRUBS															
AV	Viburnum, Blue Mufin Arrowwood	<i>Viburnum dentatum 'Christom'</i>	3 S	3-5' Ht.	3" Ht./ #5	CONT	14"	9"	36"	15"	3	No	*	A,D	122
WS	Snowberry, White	<i>Symphoricarpos albus</i>	3 S	3-6' Ht.	3" Ht./ #5	CONT	14"	9"	36"	15"	3	No	*	B,C	144

SITE B5: EDGERTON ROAD COORDINATES

TREE COORDINATES			TREE COORDINATES		
POINT	NORTHING	EASTING	POINT	NORTHING	EASTING
1	412854	906710	42	412908	906623
2	412919	906669	43	412926	906604
3	412840	907059	44	412960	906642
4	412849	907043	45	412887	906627
5	413075	907044	48	412827	906675
6	413005	906963	49	412810	906733
7	413007	906922	50	412742	906578
13	413127	906941	51	412761	906605
14	413115	906850	52	412732	906605
15	413097	906916	53	412756	906639
20	413033	906958	54	412784	906637
21	412950	906959	55	412773	906662
22	413022	907097	56	412764	906759
23	412983	907020	57	412782	906718
24	413039	907070	58	412795	906741
25	413038	907037	59	412815	906675
26	413064	907022	60	412803	906725
27	412948	906979	61	412776	906741
28	412806	907077	62	412733	906765
29	412828	907088	63	412722	906787
30	412876	907056	64	412690	906807
31	412924	907024	65	412677	906822
32	412877	907085	66	412653	906838
33	412923	907051	67	413071	906879

* BARK MULCH RING AT BASE OF PLANT MATERIAL, SEE PLANTING DETAILS.
 ** PROVIDE BRACE SPECIFICATIONS FOR 1/2 THE TOTAL QUANTITY OF TREES;
 LOCATIONS DETERMINED BY THE CORRIDOR VEGETATION INSPECTOR.

LEGEND

B&B	BALLED AND BURLAPPED
CONT.	CONTAINER GROWN
Ht.	HEIGHT
Cal.	CALIPER
SPV	SPECIAL PROVISIONS

Addendum No. 02
 ID 1007-11-79
 Revised Sheet 160
 November 1, 2018

PROJECT NO: 1007-11-79

HWY: IH 39

COUNTY: DANE

SITE B5: EDGERTON ROAD PLANT SCHEDULE

SHEET

160

PLOT SCALE : *****

PLOT NAME :

PLOT BY : KOSTAMO, LISA

PLOT DATE : 10/25/2018 10:42 AM

PLOT NAME :

PLOT NAME : P:\EDAW-PROJECTS\2014\1-39\900-CAD-GIS\910 CAD\BIM\AO-SHEETS\EDGERTON ROAD-PLANT SCHEDULE.DWG

LAYOUT NAME - ****

WISDOT/CADD SHEET 42

TREES AND SHRUBS PLANT DATA TABLE

Symbol	Common Name	Scientific Name	Type	Average Mature Height	Size When Planted	Root Zone Mode	Minimum Size				Brace or Guy	Fertilizer Units Required	Rodent Protection Required	Mulch Ring Required	Plant Bed Detail	Each
							Ball/Pot	Root Spread	Plant Hole							
							Diameter	Depth	Diameter	Depth						
SHADE TREES																
PAE	Elm, Princeton American	<i>Ulmus americana 'Princeton'</i>	2 T	60-80' Ht.	2 1/2" Cal.	B&B	28"	17"	8"	17"	Brace	6	Yes	*	---	4
ABM	Maple, Autumn Blaze	<i>Acer x freemanii 'Jeffersred'</i>	1 T	60-75' Ht.	2 1/2" Cal.	B&B	28"	17"	8"	17"	Brace	6	Yes	*	---	10
BO	Oak, Bur	<i>Quercus macrocarpa</i>	1 T	60-80' Ht.	2" Cal.	B&B	24"	14"	8"	14"	Brace	4	Yes	*	---	6
EVERGREEN TREES																
AP	Pine, Austrian	<i>Pinus nigra</i>	4E	50-60' Ht.	8' Ht.	B&B	27"	16"	8"	16"	Brace	4	No	*	---	14
ERC	Cedar, Eastern Red	<i>Juniperus virginiana</i>	4E	30-40' Ht.	8' Ht.	B&B	27"	16"	8"	16"	Brace	5	No	*	---	6
ORNAMENTAL TREES																
MU	Muscledwood	<i>Carpinus caroliniana</i>	3 T	30-50' Ht.	2" Cal.	B&B	24"	14"	8"	14"	Brace	4	Yes	*	---	3
TCH	Hawthorn, Thornless Cockspur	<i>Crataegus crus-galli var. inermis</i>	3 T	20-30' Ht.	6' Ht.	B&B	24"	14"	8"	14"	Brace	4	Yes	*	---	6
SHRUBS																
BB	Buckeye, Bottlebrush	<i>Aesculus parviflora</i>	2 S	8-12' Ht.	3" Ht./ #5	CONT	14"	9"	36"	15"	---	3	No	*	A,C,D	89
SS	Sumac, Staghorn	<i>Rhus typhina</i>	3 S	10-15' Ht.	3" Ht./ #5	CONT	14"	9"	36"	15"	---	3	No	*	G	30
CW	Winterberry, Common	<i>Ilex verticillata</i>	2 S	6-10' Ht.	3" Ht./ #5	CONT	14"	9"	36"	15"	---	3	No	*	B,E,F	115

* BARK MULCH RING AT BASE OF PLANT MATERIAL, SEE PLANTING DETAILS.
 ** PROVIDE BRACE SPECIFICATIONS FOR 1/4 THE TOTAL QUANTITY OF TREES;
 LOCATIONS DETERMINED BY THE CORRIDOR VEGETATION INSPECTOR.

LEGEND

B&B BALLED AND BURLAPPED
 CONT. CONTAINER GROWN
 Ht. HEIGHT
 Cal. CALIPER
 SPV SPECIAL PROVISIONS

Addendum No. 02
 ID 1007-11-79
 Revised Sheet 164
 November 1, 2018

SITE B3: MAPLE GROVE COORDINATES

TREE COORDINATES				TREE COORDINATES				TREE COORDINATES			
POINT	NORTHING	EASTING		POINT	NORTHING	EASTING		POINT	NORTHING	EASTING	
1	424348	901333		21	424447	901033		41	424081	901341	
2	424253	901337		22	424040	901034		42	424118	901350	
3	424163	901466		23	424369	901032		43	424181	901328	
4	424287	901603		24	424168	901349		44	424159	901359	
5	424283	901559		25	424175	901055		45	424180	901365	
6	424302	901555		26	424277	901000		46	424158	901330	
7	424374	901346		27	424112	901011		47	424171	901382	
8	424312	900747		28	424131	900988		48	424165	901415	
9	424313	900775		29	424085	901011		49	424160	901535	
10	424303	900878		30	424126	901014		50	424169	901489	
11	424306	900915		31	424109	901024		51	424169	901514	
12	424296	900939		32	424066	901023		52	424254	901322	
13	424286	900947		33	424019	901015		53	424253	901352	
14	424265	900979		34	424175	901038		54	424265	901337	
15	424264	901018		35	424191	901027		55	424282	901337	
16	424278	901023		36	424181	901040		56	424277	901395	
17	424296	901048		37	424190	901055		57	424317	901347	
18	424343	901016		38	424064	901340		58	424367	901333	
19	424397	901033		39	424085	901331		59	424336	901346	
20	424419	901030		40	424063	901325					

PROJECT NO: 1007-11-79

HWY: IH39

COUNTY: ROCK

SITE B3: MAPLE GROVE PLANTING SCHEDULE

SHEET 164

E

TREES AND SHRUBS PLANT DATA TABLE

Symbol	Common Name	Scientific Name	Type	Average Mature Height	Size When Planted	Root Zone Mode	Minimum Size				Brace or Guy	Fertilizer Units Required	Rodent Protection Required	Mulch Ring Required	Plant Bed Detail	Each
							Ball/Pot	Root Spread	Plant Hole							
							Diameter	Depth	Diameter	Depth						
	SHADE TREES															
NPO	Oak, Northern Pin	<i>Quercus ellipsoidalis</i>	1 T	50-65' Ht.	2" Cal.	B&B	24"	14"	8'	14"	Brace	4	Yes	*	—	32
AS	Sycamore, American	<i>Platanus occidentalis</i>	1 T	75-100' Ht.	2" Cal.	B&B	24"	14"	8'	14"	Brace	4	Yes	*	—	30
	ORNAMENTAL TREES															
YB	Birch, Yellow	<i>Betula alleghaniensis</i>	1 T	40-60' Ht.	7' Ht.	B&B	28"	17"	8'	17"	Brace	4	Yes	*	—	18
PC	Crabapple, Prairie	<i>Malus ioensis</i>	3 T	20-25' Ht.	6' Ht.	B&B	24"	14"	8'	14"	Brace	4	Yes	*	—	10
ER	Redbud, Eastern	<i>Cercis canadensis</i>	3 T	20-30' Ht.	7' Ht.	B&B	28"	17"	8'	17"	Brace	4	No	*	—	12

* BARK MULCH RING AT BASE OF PLANT MATERIAL, SEE PLANTING DETAILS.
 ** PROVIDE BRACE SPECIFICATIONS FOR 1/3 THE TOTAL QUANTITY OF TREES;
 LOCATIONS DETERMINED BY THE CORRIDOR VEGETATION INSPECTOR.

LEGEND

B&B	BALLED AND BURLAPPED
CONT.	CONTAINER GROWN
Ht.	HEIGHT
Cal.	CALIPER
SPV	SPECIAL PROVISIONS

Addendum No. 02
 ID 1007-11-79
 Revised Sheet 170
 November 1, 2018

SITE B6: USH 51 COORDINATES

TREE COORDINATES	
POINT	EASTING
1	427531 901098
2	427414 901037
3	427421 901079
4	427108 900732
5	427104 901061
6	427152 901112
7	427104 901112
8	426933 901109
9	426934 901058
10	426889 901108
11	426936 900746
12	426647 901081
13	426697 901000
14	426564 901083

PROJECT NO:1007-11-79

HWY: IH 39

COUNTY: ROCK

SITE B6: USH 51 PLANTING SCHEDULE

SHEET 170

E

FILE NAME : P:\XEDAW\PROJECTS\2014\T-39\900-CAD-BUILDING-SHEETS\LMAPLE GROVE AND USH51\USH51-PLANTING SCHEDULE.DWG

LAYOUT NAME : 4444

PLOT DATE : 10/23/2018 10:45 AM

PLOT BY : KOSTAMO, LISA

PLOT NAME :

PLOT SCALE :

WISDOT/CADDs SHEET 42

TREES AND SHRUBS PLANT DATA TABLE

Symbol	Common Name	Scientific Name	Type	Average Mature Height	Size When Planted	Root Zone Mode	Minimum Size				Brace or Guy	Fertilizer Units Required	Rodent Protection Required	Mulch Ring Required	Plant Bed Detail	Each
							Ball/Pot	Depth	Root Spread	Diameter	Plant Hole Depth					
	SHADE TREES															
RO	Oak, Red	<i>Quercus rubra</i>	1 T	60-75' Ht.	2" Cal.	B&B	24"	14"	---	8'	14"	4	Yes	*	---	12
AS	Sycamore, American	<i>Platanus occidentalis</i>	1 T	75-100' Ht.	2" Cal.	B&B	24"	14"	---	8'	14"	4	Yes	*	---	13
	ORNAMENTAL TREES															
JTL	Lilac, Japanese Tree	<i>Syringa reticulata</i>	3 T	25' Ht.	8' Ht.	B&B	24"	14"	---	8'	14"	4	No	*	---	8
W/KH	Hawthorn, Winter King	<i>Crataegus viridis 'Winter King'</i>	3 T	20-35' Ht.	8' Ht.	B&B	24"	14"	---	8'	14"	4	No	*	---	11
	SHRUBS															
RD	Dogwood, Redtwig	<i>Cornus sericea</i>	2 S	7-9' Ht.	3' Ht./ #5	CONT	14"	9"	---	36"	15"	3	Yes	*	A,B	130

* BARK MULCH RING AT BASE OF PLANT MATERIAL. SEE PLANTING DETAILS.

** PROVIDE BRACE SPECIFICATIONS FOR J THE TOTAL QUANTITY OF TREES; LOCATIONS DETERMINED BY THE CORRIDOR VEGETATION INSPECTOR.

LEGEND

B&B	BALLED AND BURLAPPED
CONT.	CONTAINER GROWN
Ht.	HEIGHT
Cal.	CALIPER
Spv	SPECIAL PROVISIONS

SITE B7: CTH A COORDINATES

TREE COORDINATES		
POINT	NORTHING	EASTING
1	431786	900663
2	431909	900686
3	431730	900685
4	431863	900708
5	431608	900749
6	431578	900761
7	431787	900740
9	431938	900648
10	431935	900684
13	431776	900789
15	431758	900706
16	431585	900779
17	431759	900739
18	431862	900638
19	431633	900742
20	431657	900737
21	431702	900708
23	431717	900735
24	431933	900608

TREE COORDINATES		
POINT	NORTHING	EASTING
25	431962	900595
26	432001	900595
27	431903	900623
28	431979	900611
29	431936	900741
30	431890	900781
31	431916	900814
32	431908	900832
33	431891	900794
34	431872	900767
35	431876	900742
36	431881	900636

Addendum No. 02
ID 1007-11-79
Revised Sheet 174
November 1, 2018

PROJECT NO:1007-II-79

HWY: IH 39

COUNTY: DANE

SITE B7: CTH A PLANT SCHEDULE

SHEET 174

E

FILE NAME : P:\NDAW-PROJECTS\2014\I-39\900-CAD-GIS\910 CAD\BIM\02-SHEETS\N\CTH A-CTH A-PLANT SCHEDULE.DWG
LAYOUT NAME - ****

PLOT DATE : 10/23/2018 10:47 AM

PLOT BY : KOSTAMO, LISA

PLOT NAME :

PLOT SCALE : *****

WISDOT/CADD SHEET 42

TREES AND SHRUBS PLANT DATA TABLE

Symbol	Common Name	Scientific Name	Type	Average Mature Height	Size When Planted	Root Zone Mode	Minimum Size				Brace or Guy	Fertilizer Units Required	Rodent Protection Required	Mulch Ring Required	Plant Bed Detail	Each
							Ball/pot Diameter	Depth	Root Spread	Plant Hole Diameter	Depth					
SHADE TREES																
CH	Hackberry, Common	<i>Celtis occidentalis</i>	2 T	40-55' Ht.	2 1/2" Cal.	B&B	28"	17"	---	8'	17"	6	Yes	*	---	6
SM	Maple, Sugar	<i>Acer saccharum</i>	1 T	60-75' Ht.	2 1/2" Cal.	B&B	28"	17"	---	8'	17"	4	Yes	*	---	11
ORNAMENTAL TREES																
SMA	Ash, Showy Mountain	<i>Sorbus decora</i>	2 T	20-25' Ht.	6' Ht.	B&B	24"	14"	---	8'	14"	4	Yes	*	---	8
CC	Chokecherry	<i>Prunus virginiana</i>	3 T	20-30' Ht.	6' Ht.	B&B	24"	14"	---	8'	14"	4	Yes	*	---	3
CTL	Lilac, Chinese Tree	<i>Syringa reticulata subsp. pekinensis</i>	3 T	15-20' Ht.	8' Ht.	B&B	28"	17"	---	8'	17"	4	Yes	*	---	3
AS	Serviceberry, Apple	<i>Amelanchier x grandiflora 'autumn Brilliance'</i>	3 T	15-25' Ht.	6' Ht.	B&B	24"	14"	---	8'	14"	4	Yes	*	---	8
SHRUBS																
WS	Snowberry, White	<i>Symphoricarpos albus</i>	3 S	3-6' Ht.	3' Ht./ #5	CONT	14"	9"	---	36"	15"	3	No	*	A.E	89
SS	Sumac, Staghorn	<i>Rhus typhina</i>	3 S	10-15' Ht.	3' Ht./ #5	CONT	14"	9"	---	36"	15"	3	No	*	B,C,D	93

* BARK MULCH RING AT BASE OF PLANT MATERIAL. SEE PLANTING DETAILS.

** PROVIDE BRACE SPECIFICATIONS FOR 1/3 THE TOTAL QUANTITY OF TREES; LOCATIONS DETERMINED BY THE CORRIDOR VEGETATION INSPECTOR.

LEGEND

B&B BALLED AND BURLAPPED
CONT. CONTAINER GROWN
Ht. HEIGHT
Cal. CALIPER
SPV SPECIAL PROVISIONS

SITE B9: CTH BN COORDINATES

TREE COORDINATES		
POINT	NORTHING	EASTING
1	454108	883624
3	454126	883643
4	454362	883765
5	454409	883721
14	454420	883590
15	454424	883631
16	454407	883607
17	454425	883647
18	454395	883646
19	454566	883614
20	454624	883612
22	454371	883722
23	454380	883751
26	454358	883795
27	454353	883812
28	454333	883881
29	454323	883879
30	454313	883913
33	454191	883585
34	454173	883444

Addendum No. 02
ID 1007-11-79
Revised Sheet 178
November 1, 2018

PROJECT NO:1007-II-79

COUNTY:DANE

SITE B9: CTH BN PLANT SCHEDULE

SHEET 178

E

FILE NAME : F:\EDAW-PROJECTS\2014\1-39\B00-CAD-GIS\910 CAD\BIM\02-SHEETS\1\CTH BN\CTH BN-PLANT SCHEDULE.DWG

PLOT DATE : 10/25/2018 10:49 AM

PLOT BY : KOSTAMO, LISA

PLOT SCALE : *****

WISDOT/CADD SHEET 42

LAYOUT NAME - ****

TREES AND SHRUBS PLANT DATA TABLE

Symbol	Common Name	Scientific Name	Type	Average Mature Height	Size When Planted	Root Zone Mode	Minimum Size				Brace or Guy	Fertilizer Units Required	Rodent Protection Required	Mulch Ring Required	Plant Bed Detail	Each
							Ball/Pot Diameter	Depth	Root Spread	Plant Hole Diameter	Depth					
	ORNAMENTAL TREES															
CTL	Lilac, Chinese Tree	<i>Syringa reticulata subsp. pekinensis</i>	3 T	15-20' Ht.	8' Ht.	B&B	28"	17"	—	8'	17"	4	Yes	*	—	12
RC	Crabapple, Redbud	<i>Malus x zumi calocarpa</i>	3 T	12-20' Ht.	6' Ht.	B&B	24"	14"	—	8'	14"	4	Yes	*	—	6
	SHRUBS															
CN	Ninebark, Common	<i>Physocarpus opulifolius</i>	2 S	8-10' Ht.	3' Ht./ #5	CONT	14"	9"	—	36"	15"	3	Yes	*	C,D	96
AV	Viburnum, Blue Mufin Arrowwood	<i>Viburnum dentatum 'Christomi'</i>	3 S	3-5' Ht.	3' Ht./ #5	CONT	14"	9"	—	36"	15"	3	No	*	A,B	70

* BARK MULCH RING AT BASE OF PLANT MATERIAL, SEE PLANTING DETAILS.

** PROVIDE BRACE SPECIFICATIONS FOR 1/2 THE TOTAL QUANTITY OF TREES; LOCATIONS DETERMINED BY THE CORRIDOR VEGETATION INSPECTOR.

SITE B10: CHURCH STREET COORDINATES

TREE COORDINATES		
POINT	NORTHING	EASTING
1	455158	881619
2	455114	881617
3	455119	881314
4	455098	881350
5	455069	881444
6	455074	881479
7	455049	881473
8	455040	881501
9	455069	881491
10	455046	881578
11	455013	881588
12	454998	881637
13	455031	881608
14	454980	881735
15	455019	881670
16	454769	881553
17	454757	881596
18	454723	881611
19	454715	881691
20	454696	881754
21	454667	881708

LEGEND

B&B	BALLED AND BURLAPPED
CONT.	CONTAINER GROWN
Ht.	HEIGHT
Cal.	CALIPER
SPV	SPECIAL PROVISIONS

Addendum No. 02
ID 1007-11-79
Revised Sheet 182
November 1, 2018

TREES AND SHRUBS PLANT DATA TABLE

Symbol	Common Name	Scientific Name	Type	Average Mature Height	Size When Planted	Root Zone Mode	Minimum Size				Brace or Guy	Fertilizer Units Required	Rodent Protection Required	Mulch Ring Required	Plant Bed Detail	Each
							Ball/Pot Diameter	Depth	Root Spread	Plant Hole Diameter	Depth					
	SHADE TREES															
AY	Yellowwood, American	<i>Cladrastis kentuckea</i>	2 T	30-50' Ht.	2" Cal.	B&B	24"	14"	—	8"	14"	4	Yes	*	—	12
MG	Ginkgo, Magyar	<i>Ginkgo biloba 'Magyar'</i>	1 T	50' Ht.	2 1/2" Cal.	B&B	28"	17"	—	8"	17"	6	Yes	*	—	10
PAE	Elm, Princeton American	<i>Ulmus americana 'Princeton'</i>	2 T	60-80' Ht.	2 1/2" Cal.	B&B	28"	17"	—	8"	17"	6	Yes	*	—	7
RO	Oak, Red	<i>Quercus rubra</i>	1 T	60-75' Ht.	2" Cal.	B&B	24"	14"	—	8"	14"	4	Yes	*	—	17
SB	Buckeye, Sunset	<i>Aesculus glabra 'J.N. Select'</i>	2 T	35' Ht.	2" Cal.	B&B	24"	14"	—	8"	14"	4	Yes	*	—	3
SBO	Oak, Swamp x Bur	<i>Quercus x schuetti</i>	1 T	50-70' Ht.	2" Cal.	B&B	24"	14"	—	8"	14"	4	Yes	*	—	12
	EVERGREEN TREES															
ERC	Cedar, Eastern Red	<i>Juniperus virginiana</i>	4E	30-40' Ht.	8' Ht.	B&B	27"	16"	—	8"	16"	5	No	*	—	5
	ORNAMENTAL TREES															
MJ	Muscledwood	<i>Carpinus caroliniana</i>	3 T	30-50' Ht.	2" Cal.	B&B	24"	14"	—	8"	14"	4	Yes	*	—	16
RC	Crabapple, Redbud	<i>Malus x zumi calocarpa</i>	3 T	12-20' Ht.	6' Ht.	B&B	24"	14"	—	8"	14"	4	Yes	*	—	24
ER	Redbud, Eastern	<i>Cercis canadensis</i>	3 T	20-30' Ht.	7' Ht.	B&B	28"	17"	—	8"	17"	4	No	*	—	4
CTL	Lilac, Chinese Tree	<i>Syringa reticulata subsp. pekinensis</i>	3 T	15-20' Ht.	8' Ht.	B&B	28"	17"	—	8"	17"	4	Yes	*	—	25
WKH	Hawthorn, Winter King	<i>Crataegus viridis 'Winter King'</i>	3 T	20-35' Ht.	8' Ht.	B&B	24"	14"	—	8"	14"	4	No	*	—	9
	SHRUBS															
BRC	Chokeberry, Brilliant Red	<i>Aronia arbutifolia 'Brilliantissima'</i>	2 S	6-8' Ht.	3' Ht./ #5	CONT	14"	9"	—	36"	15"	3	Yes	*	H,J	69
ABC	Currant, American Black	<i>Ribes americanum</i>	2 S	3-5' Ht.	3' Ht./ #5	CONT	14"	9"	—	36"	15"	3	Yes	*	N,E,G	59
DBH	Honeysuckle, Dwarf Bush	<i>Diervilla lonicera</i>	2 S	3-4' Ht.	3' Ht./ #5	CONT	14"	9"	—	36"	15"	3	Yes	*	Q,P,C,F	70
SGJ	Juniper, Sea Green	<i>Juniperus chinensis 'Sea Green'</i>	3 C	4-6' Ht.	3' Ht./ #5	CONT	14"	9"	—	36"	15"	3	No	*	K,L	136
SD	Dogwood, Silky	<i>Cornus amomum</i>	3 S	8' Ht.	3' Ht./ #5	CONT	14"	9"	—	36"	15"	3	Yes	*	A	51
GLS	Sumac, Goro-low	<i>Rhus aromatica 'Goro-Low'</i>	3 S	3-4' Ht.	24"/ #3	CONT	12"	8"	—	36"	10"	3	No	*	D,I,M	88
SS	Sumac, Smooth	<i>Rhus glabra</i>	3 S	10-15' Ht.	3' Ht./ #5	CONT	14"	9"	—	36"	15"	3	No	*	B,O	91

* BARK MULCH RING AT BASE OF PLANT MATERIAL. SEE PLANTING DETAILS.

** PROVIDE BRACE SPECIFICATIONS FOR J, THE TOTAL QUANTITY OF TREES; LOCATIONS DETERMINED BY THE CORRIDOR VEGETATION INSPECTOR.

LEGEND

B&B	BALLED AND BURLAPPED
CONT.	CONTAINER GROWN
Ht.	HEIGHT
Cal.	CALIPER
SPV	SPECIAL PROVISIONS

Addendum No. 02
ID 1007-11-79
Revised Sheet 196
November 1, 2018

PROJECT NO:1007-11-79

HWY: IH 39

COUNTY: DANE

SITE B12: CTH N PLANT SCHEDULE

SHEET 196

E

FILE NAME : P:\NEW\PROJECTS\2014\1-39\900-CAD-GIS\910 CAD.BIM\02-SHEETS\N\CTH N-PLANT SCHEDULE.DWG

LAYOUT NAME - ****

PLOT DATE : 10/25/2018 10:58 AM

PLOT BY : KOSTAMO, LISA

PLOT NAME :

PLOT SCALE : *****

WISDOT/CADD'S SHEET 42

TREES AND SHRUBS PLANT DATA TABLE

[illegible]

* BARK MULCH RING AT BASE OF PLANT MATERIAL, SEE PLANTING DETAILS.

**** PROVIDE BRACE SPECIFICATIONS FOR $\frac{1}{2}$ THE TOTAL QUANTITY OF TREES; LOCATIONS DETERMINED BY THE CORRIDOR VEGETATION INSPECTOR.**

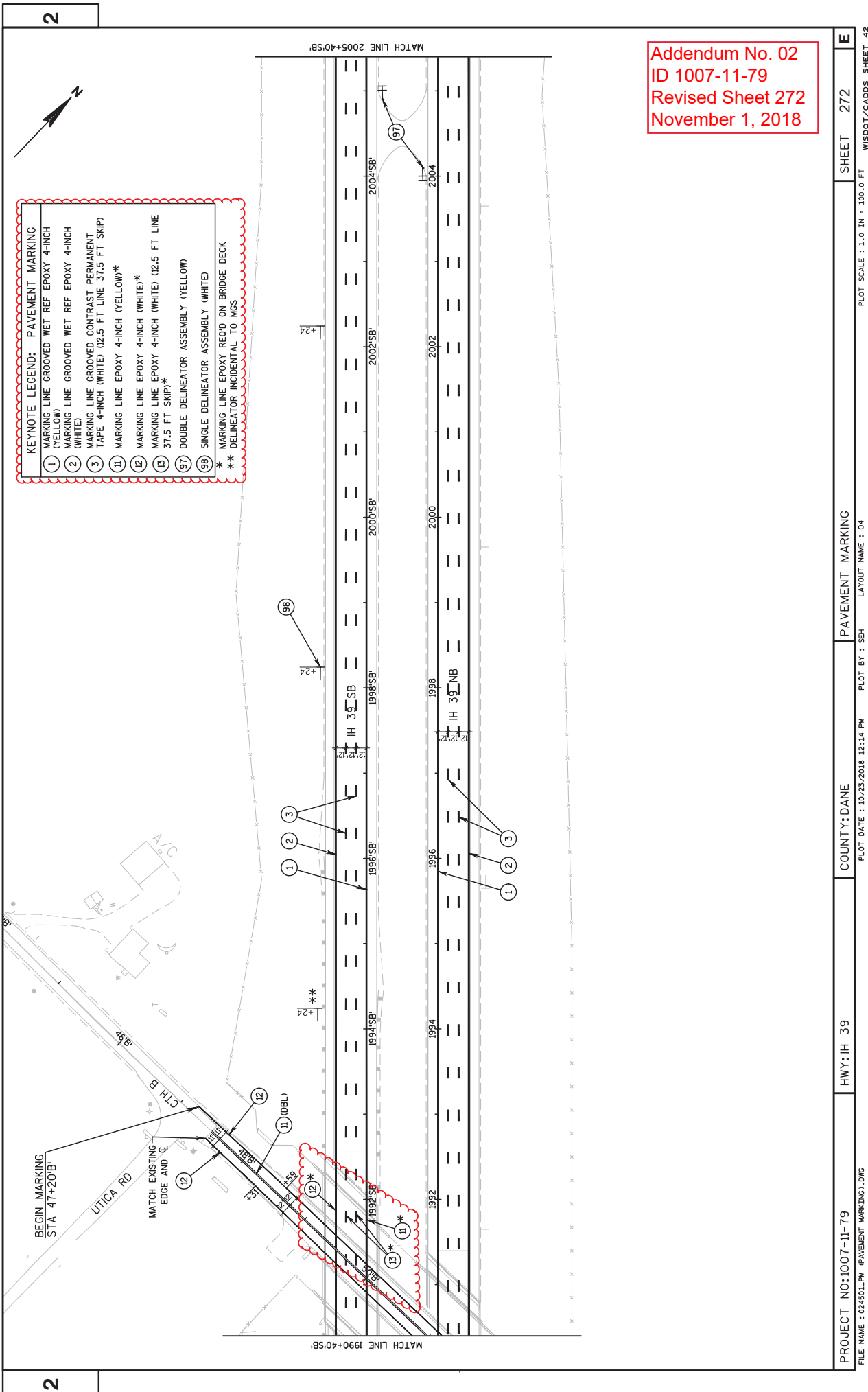
SITE B14: CTH AB COORDINATES

POINT	TREE COORDINATES	
	NORTHING	EASTING
1	463318	858038
2	463341	857990
3	463367	857973
4	463368	857936
5	463387	857916
6	463483	857935
7	463515	857928
8	463548	857928
9	463561	857929
10	463366	857898
11	463399	857881
12	463417	857881

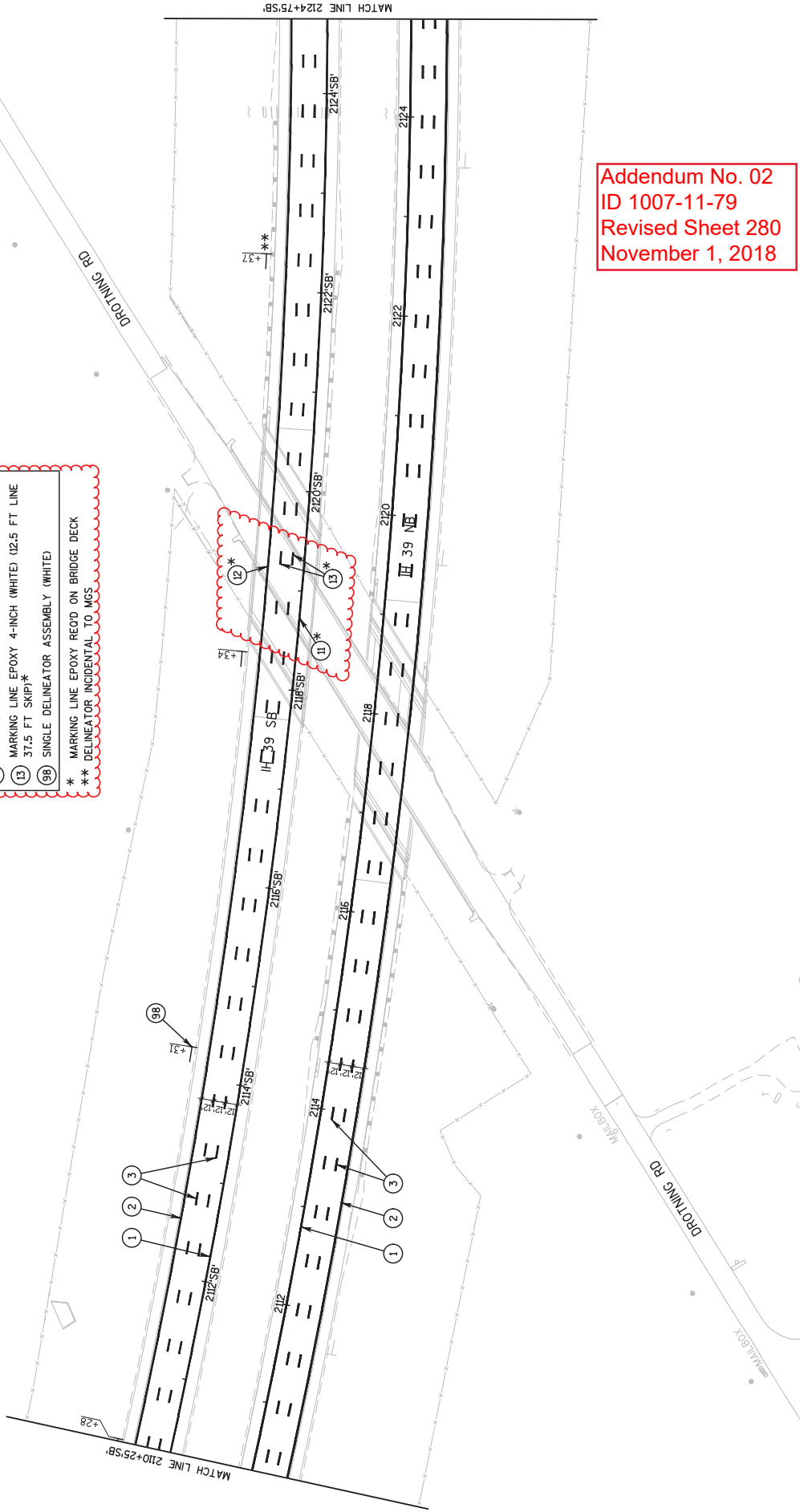
LEGEND

B&B	BALLED AND BURLAPPED
CONT.	CONTAINER GROWN
Ht.	HEIGHT
Cal.	CALIPER
SPV	SPECIAL PROVISIONS

Addendum No. 02
ID 1007-11-79
Revised Sheet 204
November 1, 2018



KEYNOTE LEGEND: PAVEMENT MARKING	
①	MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
②	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
③	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
⑪	MARKING LINE EPOXY 4-INCH (YELLOW)*
⑫	MARKING LINE EPOXY 4-INCH (WHITE)*
⑬	MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)*
98	SINGLE DELINEATOR ASSEMBLY (WHITE)
* MARKING LINE EPOXY RECO ON BRIDGE DECK	
** DELINEATOR INCIDENTAL TO MCS	



Addendum No. 02
ID 1007-11-79
Revised Sheet 280
November 1, 2018

PROJECT NO: 1007-11-79 FILE NAME : 024501.PW (PAVEMENT MARKING).DWG	COUNTY: DANE PLOT DATE : 10/23/2018 12:16 PM	PAVEMENT MARKING PLOT BY : SEH LAYOUT NAME : 12	SHEET 280 E
--	---	---	----------------

FILE NAME : P:\VE\DOANEL\119189\CIVIL 3D\10071001\SHEETPLAN\0071119 SEC 03 MISCELLANEOUS QUANTITIES\030200.MQ.DWG
PLOT DATE : 10/22/2018 1:16 PM
PLOT BY : SEH INC
LAYOUT NAME : 01
PLOT SCALE : NTS
WISDOT/CADDs SHEET 42

CULVERT ITEMS - HORIZONTAL ELLIPTICAL

PROJECT NUMBER	CATEGORY	STAGE	PIPE NAME	INLET		ELEV. (FT.)	OUTLET		ELEV. (FT.)	SLOPE (%)	*520.8000 CONCRETE COLLARS FOR PIPE	APRON ENDWALLS FOR CULVERT PIPE		524.0824 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24x38-INCH	522.2629 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 28x45-INCH	*504.0800 CONCRETE MASONRY ENDWALLS	*535.5200 MARKERS CULVERT END	COMMENTS	
				STATION	OFFSET		STATION	OFFSET				24-INCH SALVAGED	34x53-INCH (LF)						34x53-INCH (LF)
1007-11-79	1000	1	C124	2157+335B'	77.2 LT	909.04	2157+33	56.8 RT	908.74	0.23%	1	-	134	-	-	-	1	-	
			C35-1	47+83B'	38.0 LT	956.95	47+83	38.0 RT	956.90	0.07%	-	-	-	-	72	-	4	-	
			C35-2	48+00B'	38.0 LT	956.95	48+00	38.0 RT	956.90	0.07%	-	-	-	-	72	-	4	-	
			C35-3	48+07B'	38.0 LT	956.95	48+07	38.0 RT	956.90	0.07%	-	-	-	-	72	-	4	-	
			C35-2	48+08B'	35.1 RT	962.75	48+08	35.1 RT	962.75	1.25%	-	-	-	-	1	-	-	-	
			C103	48+02W	37.1 RT	957.00	48+02W	37.1 LT	955.50	1.75%	-	-	-	-	84	-	2	-	

WISDOT/CADDs SHEET 42

Addendum No. 02
ID 1007-11-79
Revised Sheet 377
November 1, 2018

PAVEMENT MARKING ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	646 1040		646 1555		646 5020	
					MARKING LINE GROOVED WET REF EPOXY 4-INCH	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH	MARKING ARROW EPOXY 4-INCH	MARKING REMOVAL LINE WATER BLASTING 4-INCH
					YELLOW (LF)	WHITE (LF)	WHITE (LF)	WHITE (LF)	YELLOW (LF)	WHITE (LF)
1007-11-79	1000	1	1934+60SB' - 1949+00SB' 1949+00SB' - 1954+00SB' 1954+00SB' - 1964+00SB' 1964+00SB' - 1969+00SB' 1969+00SB' - 1974+00SB' 1974+00SB' - 1979+00SB' 1979+00SB' - 1984+00SB' 1984+00SB' - 1989+00SB' 1989+00SB' - 1994+00SB' 1994+00SB' - 1999+00SB' 1999+00SB' - 2004+00SB' 2004+00SB' - 2009+00SB' 2009+00SB' - 2014+00SB' 2014+00SB' - 2019+00SB' 2019+00SB' - 2024+00SB'	IH 39 SB IH 39 SB IH 39 SB IH 39 SB IH 39 SB IH 39 SB IH 39 SB IH 39 SB IH 39 SB IH 39 SB IH 39 SB IH 39 SB IH 39 SB IH 39 SB	-	-	-	-	-	-
					-	-	-	-	-	-
					-	-	-	-	-	-
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					-	-	-	-	-	-
					-	-	-	-	-	-
					-	-	-	-	-	-
					-	-	-	-	-	-
STAGE SUBTOTALS					118,185	25,912	35,998	3,222	3,754	3
PROJECT TOTALS					183,487		48,348	6,976		3
STAGE SUBTOTALS					24,700	24,700	12,350	0	0	0
PROJECT TOTALS					24,700	24,700	12,350	0	0	0

DELINEATOR ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	633 0100		633 0500		
					DELINEATOR POSTS STEEL REFLECTORS (EACH)	DELINEATOR POSTS STEEL REFLECTORS (EACH)	DELINEATOR POSTS STEEL REFLECTORS (EACH)	DELINEATOR POSTS STEEL REFLECTORS (EACH)	
1007-11-79	1000	-	1933+61'SB' - 1941+40'SB' 1940+10'SB' - 1941+40'SB' 2003+45'SB' - 2005+15'SB' 2002+45'SB' - 2004+15'SB' 2146+95'SB' - 2148+15'SB' 2187+45'SB' - 2188+95'SB'	LT MAINTENANCE CROSSOVER MAINTENANCE CROSSOVER MAINTENANCE CROSSOVER MAINTENANCE CROSSOVER	66	66			
						2	4		
						2	4		
						2	4		
						2	4		
STAGE SUBTOTALS					76	86			

MOVING SIGNS - TRAFFIC CONTROL

PROJECT NUMBER	CATEGORY	STAGE	SIGN #	SIGN CODE	LOCATION	*638.2102 MOVING SIGNS TYPE II (EACH)
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*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS

TEMPORARY MARKING LINE ITEMS (TRAFFIC CONTROL STAGING)

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	649 0120		649 0155		MARKING REMOVAL LINE WATER BLASTING 4-INCH (LF)
					EDGE LINE		REMOVABLE CONTRAST		
					EPOXY 4-INCH TAPE 4-INCH 12.5 SKIPS WHITE (LF)	EDGE LINE YELLOW (LF)	TAPE 4-INCH 12.5 SKIPS WHITE (LF)	RAISED PAVEMENT MARKER TYPE II (EACH)	
1007-11-79	1000	1	1931+680279' - 1956+800279' 949+6371N8' - 1195+1171N8'	IH 39 SB CROSSOVER 2079' COUNTER DIRECTIONAL IH 39 NB	4784 48852	2382 48501	- 12010	48 971	4354 97463
STAGE SUBTOTALS					53746	50893	12010	1019	101817
PROJECT TOTALS					104,639	12,010	1,019	1,019	101,817

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS

PROJECT NO: 1007-11-79

HWY: IH 39

COUNTY: DANE

MISCELLANEOUS QUANTITIES

SHEET 377

E

FILE NAME : P:\NEVD\UNMEL\119189\CTVIL 30\10071001\SHEETS\PLAN\10071179\SEC 03 MISCELLANEOUS QUANTITIES\030200.MQ.DWG

PLOT DATE : 10/30/2018 12:13 PM

PLOT BY : SEH INC

LAYOUT NAME : N15

PLOT SCALE : N15

WISDOT/CADDs SHEET 42

PLANTING LIVING SNOW FENCE & WEED BARRIER FABRIC										
SITE NO.	LOCATION	AP	AF	ACV	SD	RD	CN	TOTALS	WEED BARRIER FABRIC	SPV.0180.513
DETAIL 1	SEE PLANS	357	EACH					EACH	SY	
DETAIL 2	SEE PLANS	317		359				1073	1900	62
DETAIL 3	SEE PLANS			319		317		953	1687	88
DETAIL 4	SEE PLANS	1073	533	1075	535	533	1073	3221	2840	36
DETAIL 5	SEE PLANS				59	114		173	5720	25
DETAIL 6	SEE PLANS				117	230		347	300	28
DETAIL 7	SEE PLANS		365	365	367			1097	613	21
DETAIL 8	SEE PLANS	507		509		507		1523	1947	33
DETAIL 9	SEE PLANS	793		795		793		2381	2700	72
DETAIL 10	SEE PLANS		795		1586			2381	4227	66
DETAIL 11	SEE PLANS	273		273	275			821	4213	29
DETAIL 12	SEE PLANS					150	77	227	1453	28
DETAIL 13	SEE PLANS	65					126	191	400	25
DETAIL 14	SEE PLANS					150	77	227	333	83
DETAIL 15	SEE PLANS	289		289	291			869	400	78
DETAIL 16	SEE PLANS	205		207			205	617	1540	102
	TOTAL	3879	1693	4191	3230	3151	1558	17,702	1093	38
									31,366	74
ALL ITEMS ARE CATEGORY 1500 UNLESS OTHERWISE SPECIFIED										
SITE NO.	LOCATION	SPV.0085.509 SEEDING NATIVE MIX N1	SPV.0085.510 SEEDING NATIVE MIX N2	SPV.0085.511 SEEDING NATIVE MIX N3	SPV.0085.512 SEEDING NATIVE MIX N4	SPV.0005.501 PRE-PLANTING VEGETATION TREATMENT	SPV.0005.500 SUBSOILING	630.0110 SEEDING MIXTURE NO. 10	630.0130 SEEDING MIXTURE NO. 30	
B14	CTH AB	LB	LB	LB	LB	AC	AC	LB	LB	
B13	WILLIAMS DRIVE		9			4.0		113	151	
B12	CTH N		14			2.0		35	47	
B7	CTH A		215			18.5	4.0	132	176	
B6	USH 51		9			1.5		31	41	
B3	MAPLE GROVE		73			7.0		70	93	
B2	USH 51-STH 73		24			3.0		38	50	
MAINLINE	SEE PLANS		268		22	26.0	4.0	215	286	
			1586			149.5		14,20	1893	
	UNDISTRIBUTED	100	100	100	100	10.0	2.0	250	340	
	TOTAL	100	2298	100	122	221.5	10.0	2304	3077	
ALL ITEMS ARE CATEGORY 1500 UNLESS OTHERWISE SPECIFIED										
SITE NO.	LOCATION	632.9101 LANDSCAPE PLANTING SURVIVANCE & CARE CYCLES	637.2210 SIGN TYPE II REFLECTIVE H	SPV.0060.507 DELINEATOR POST STEEL MODIFIED	616.0700.S FENCE SAFETY	SPV.0005.502 SEED BED PREPARATION	SPV.0060.506 NATIVE SEEDING SURVEILLANCE AND CARE CYCLES			
B14	CTH AB	EACH	12	EACH	LF	AC	EACH			
B13	WILLIAMS DRIVE		18	8						
B12	CTH N		39	12						
B10	CHURCH STREET			26						
B9	CTH BN									
B7	CTH A		12	8						
B6	USH 51		24	16						
B5	EDGERTON ROAD									
B3	MAPLE GROVE		18	12						
B2	USH 51-STH 73		39	26						
MAINLINE	SEE PLANS		606	404						
	ALL LANDSCAPE PLANTING SITES	13					8			
	ALL NATIVE SEEDING SITES									
	UNDISTRIBUTED		77	51	1000	140				
	TOTAL	13	845	563	1000	140	8			
LEGEND										
B&B	BALLED AND BURLAPPED									
CONT.	CONTAINER GROWN									
HT.	HEIGHT									
Cal.	CALIPER									
SPV	SPECIAL PROVISIONS									
PROJECT 1007-11-79 TOTAL										
2,227										

Addendum No. 02
ID 1007-11-79
Revised Sheet 382
November 1, 2018

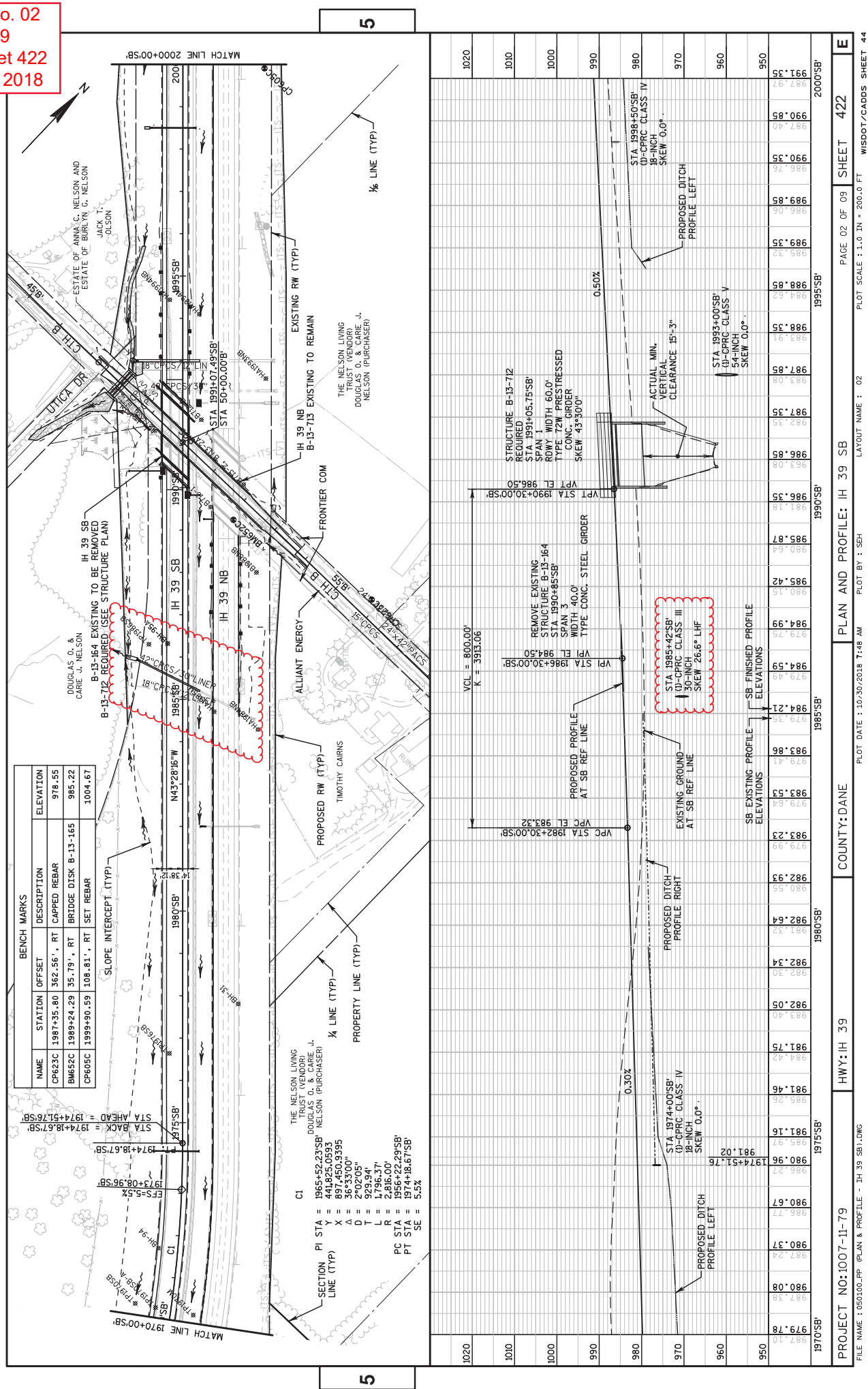
LEGEND

B&B
CONT.
HT.
Cal.
SPV

BALLED AND BURLAPPED
CONTAINER GROWN
HEIGHT
CALIPER
SPECIAL PROVISIONS

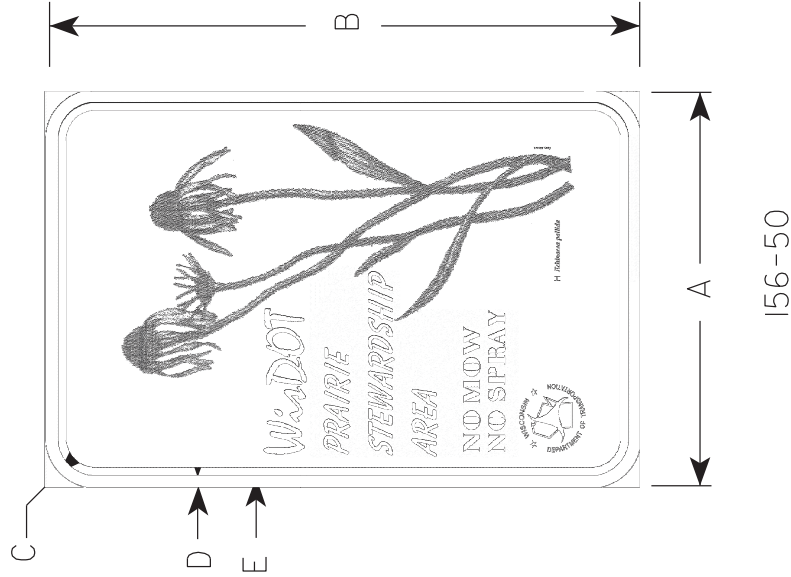
PROJECT NO:1007-II-79	HWY: IH 39	COUNTY: DANE	MISCELLANEOUS QUANTITIES-3	SHEET 382	E
FILE NAME : F:\EDAW\PROJECTS\2014\11-39\900-CAD-BMW02-SHEETS\NORTH SEGMENT\10071179-MISCELLANEOUS QUANTITIES.DWG					PLOT SCALE : 1/8"=1'-0"
PLOT BY : KOSTAMO, LTSA					PLOT NAME :
PLOT DATE : 10/25/2018 8:41 AM					WISDOT/CADDS SHEET 42

Addendum No. 02
ID 1007-11-79
Revised Sheet 382
November 1, 2018



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - Special Fonts
4. Corners and border shall be rounded.
5. To obtain file for manufacture of the sign contact
DOTBTOSignDetails@dot.wi.gov



Addendum No. 02
ID 1007-11-79
Added Sheet 544A
November 1, 2018

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											1.5
2S	12	18	1 1/8	3/8	3/8																						
2M																											
3																											
4																											
5																											

STANDARD SIGN
I56-50
WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew P. Rauch*
for State Traffic Engineer
DATE 9/12/17 PLATE NO. I56-50.1

PROJECT NO: COUNTY: HWY: SHEET NO: 544A E

FILE NAME : C:\CAETiles\NP\Projects\17-std\plate\I5650.DGN PLOT DATE : 11-SEP-2017 09:12 PLOT BY : **...plotuser...** PLOT NAME : PLOT SCALE : 3.78820311.000000 WSDOT/CADDs SHEET 42

STATE PROJECT NUMBER

1007-11-79

Addendum No. 02
ID 1007-11-79
Revised Sheet 575
November 1, 2018

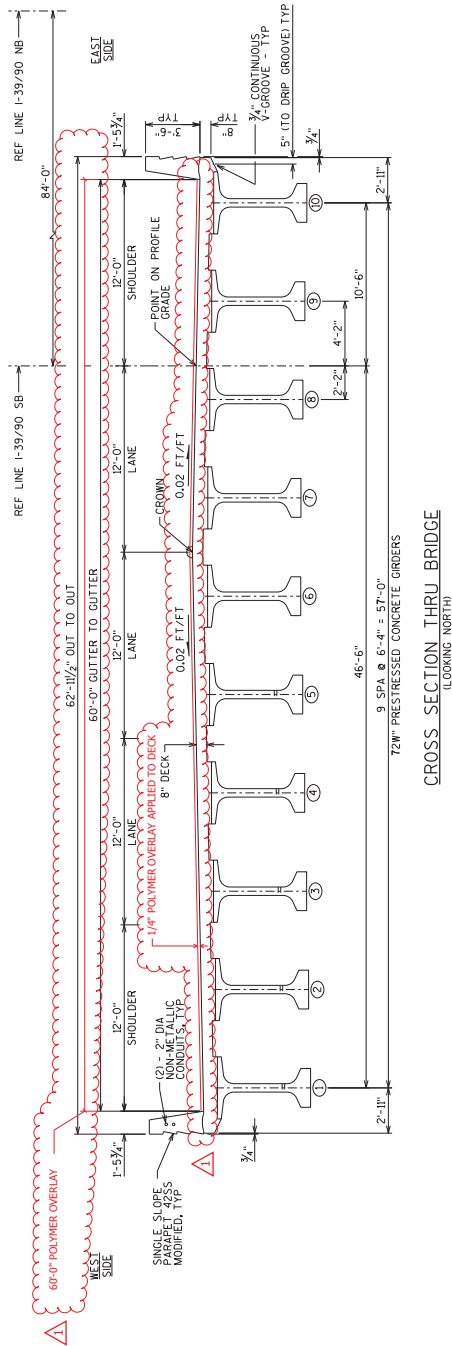
William C. Dehn
10/30/18

NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CR623C	1987+35.80	352.56'	RT	978.55
BM652C	1989+24.29	35.79'	RT	985.22
CR605C	1999+90.59	108.81'	RT	1004.67

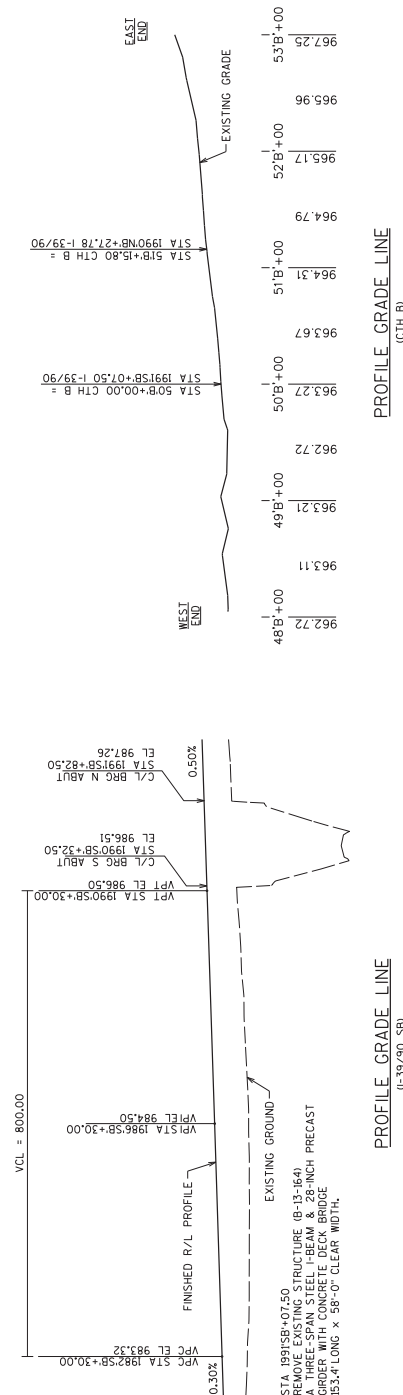


8

NO. DATE	REVISION	CUB
POLYMER OVERLAY ADDED		
BY		
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION		
STRUCTURE B-13-712		
DRAWN BY	DLF	PLANS NCK
CROSS SECTION AND PROFILES		
SHEET 2 OF 31		
575		



CROSS SECTION THRU BRIDGE
(LOOKING NORTH)



PROFILE GRADE LINE
(11-39/90 SB)

PROFILE GRADE LINE
(CTH B)

8

TOTAL ESTIMATED QUANTITIES - B-13-712

BID ITEM NUMBER	BID ITEMS	UNIT	SOUTH STRUCTURAL APPROACH SLAB	NORTH ABUT	NORTH STRUCTURAL APPROACH SLAB	SUPER	TOTALS
5	203.0200 REMOVING OLD STRUCTURE STATION 1991SB+07.50	LS	-	-	-	-	1
6	206.1000 EXCAVATION FOR STRUCTURES BRIDGES B-13-712	LS	-	-	-	-	1
1	210.1500 BACKFILL STRUCTURE TYPE A	TON	-	480	-	-	1023
2	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	TON	219	-	219	-	438
3	501.0000.S ICE HOT WEATHER CONCRETING	LB	689	744	703	689	3670
4	502.0100 CONCRETE MASONRY BRIDGES	CY	24	99	94	24	241
5	502.3200 PROTECTIVE SURFACE TREATMENT	SY	134	-	134	-	268
6	502.3200 PIGMENTED SURFACE SEALER	SY	20	-	20	-	40
7	505.00172 PRESTRESSED GIRDER TYPE 1 1/2W-INCH	LF	-	-	-	-	1510
8	505.0400 BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	7500	7030	-	14,530
9	505.0600 BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	16,490	3490	16,490	62,140	101,160
10	505.08000.S BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1085	-	-	-	2170
11	506.2605 BEARING PADS ELASTOMERIC NON-LAMINATED	EA	-	10	10	-	20
12	506.4000 STEEL DIAPHRAGMS B-13-712	EA	-	-	-	-	18
13	509.51003 POLYMER OVERLAY	SY	-	-	-	-	1023
14	516.0500 RUBBERIZED MEMBRANE WATERPROOFING	SY	-	23	25	-	48
15	550.0500 PILING STEEL HP 12-INCH X 53 LB	EA	-	20	20	-	40
16	604.0500 SLOPE PAVING CRUSHED AGGREGATE	SY	-	364	364	-	728
17	610.4006 PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	185	185	-	330
18	614.0050 ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EA	2	-	-	-	4
19	645.0111 GEOTEXTILE TYPE DF SCHEDULE A	SY	-	103	124	-	227
20	652.0125 CONDUIT RIGID METALLIC 2-INCH	LF	-	-	-	-	24
21	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	-	-	-	-	405
22	653.0222 JUNCTION BOXES 18 X 12 X 6-INCH	EA	-	-	-	-	2
23	SPV.0035.700 HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES	CY	68	-	-	68	625
24	SPV.0085.700 LONGITUDINAL GROOVING BRIDGE DECK	SF	1205	-	-	1205	11620
25	NON-BID ITEMS	SIZE	-	-	-	-	1/2 & 3/4
26	FILLER	NAMEPLATE	-	-	-	-	1

1 A FACTOR OF 2.0 WAS USED TO CONVERT CU YDS TO TONS.

2 INCLUDES ROBERT SHIELD FOR PIPE UNDERDRAIN PER SDD 8F6-4.

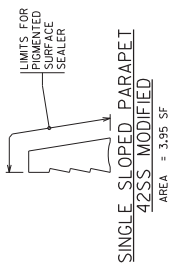
3 BID ITEM 501.0000.S INCLUDES ALL CONCRETE QUANTITIES.

4 BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES" SHALL BE UTILIZED IN THE DECK & HAUNCHES, PARAPETS, ABUTMENT DIAPHRAGMS, APPROACH SLABS AND APPROACH SLAB PARAPETS.

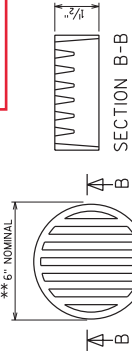
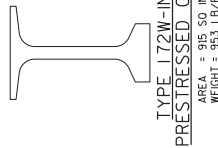
5 BID ITEM "CONCRETE MASONRY BRIDGES" SHALL BE UTILIZED FOR ALL OTHER CONCRETE ITEMS INCLUDING THE APPROACH SLAB FOOTINGS.

6 SEE PILE NOTE/FOUNDATION DATA ON SHEETS 1.9 & 12.

7 ONLY APPLIED TO APPROACH SLABS



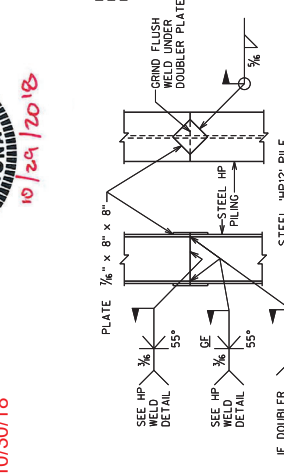
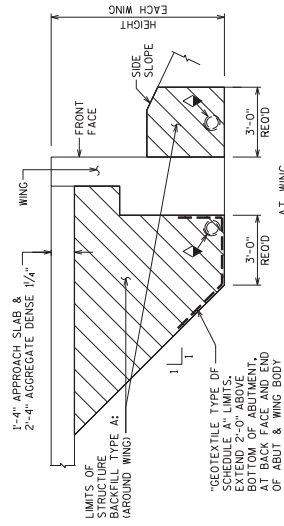
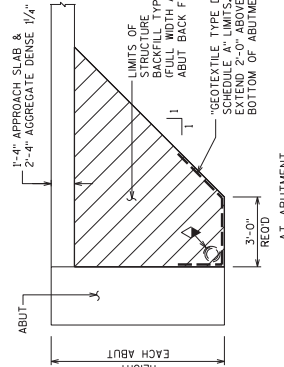
Addendum No. 02
ID 1007-11-79
Revised Sheet 576
November 1, 2018



**NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SHIELD SO SLOTS ARE VERTICAL.

RODENT SHIELD, PIPE COUPLING, AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE, SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

FOR EXISTING STRUCTURE SEE PROFILE GRADE LINE ON SHEET 2.

REFER TO ROADWAY DRAWINGS FOR EXACT EXISTING UTILITY LOCATIONS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NAVD 88 (2007) DATUM.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2' CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M33 TYPE 1, 2, OR 3 OR AASHTO DESIGNATION M313.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PROTECTIVE MATERIAL TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENTS DETAILS.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

EXCAVATION BELOW THE ABUTMENTS AND ABUTMENTS BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

AT THE BACKFACE OF ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO "EXCAVATION FOR STRUCTURES". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE PRESTRESSED GIRDER DETAILS SHEET.

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW SURFACE OF CONCRETE).

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

APPLY A PROTECTIVE SURFACE TREATMENT TO TOP OF BRIDGE DECK, TOP OF APPROACH SLABS AND TOP OF APPROACH SLAB NOTCH. APPLY PIGMENTED SURFACE SEALER TO TOP AND BACK FACES OF BRIDGE DECK, APPROACH PARAPET SPECIFICATIONS AND THE SUPERSTRUCTURE DETAILS SHEET.

THE 42SS MODIFIED PARAPETS ARE INCLUDED IN THE BID ITEM "CONCRETE MASONRY BRIDGES".

THE PILE DRIVINGS IN THE ABUTMENTS ARE INCLUDED IN THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

THE PILE DRIVINGS AT THE BACKFACE OF THE PARAPET ARE INCLUDED IN THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

STA 1991SB+07.50, REMOVE EXISTING STRUCTURE (B-13-641 A, THREE-SPAN STEEL GIRDER BRIDGE) AND EXISTING BRIDGE DECK. BRIDGE DECK SHALL BE 15.4' LONG X 58'-0" CLEAR WIDTH.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY"



William C. Dehn
10/30/18

10/29/2018

STATE PROJECT NUMBER
1007-11-79

NOTE: THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

▲ BAR SERIES LENGTH SHOWN IS AN AVERAGE LENGTH AND SHOULD BE USED FOR ESTIMATING PURPOSES. SEE BENDING TABLE AND BENDING DETAILS FOR ACTUAL LENGTHS.

NOTES

SEE SHEET 10 FOR LEGEND AND ABUTMENT NOTES.

FOR PILE SPICE DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.

FOR RUSTICATION DETAILS SEE SHEET 30.

LEGEND CONT. (FROM SHEET 10)

⑤ LIMITS OF ARCHITECTURAL SURFACE TREATMENT RUSTICATION. FOR DETAILS SEE "AESTHETIC DETAILS" SHEET.

⑥ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE REINFORCEMENT BARS WITHIN 2'-6" FROM CENTER OF ABUTMENT. REINFORCEMENT BARS SHALL BE AT LEAST 0.03" TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".

NORTH ABUTMENT SUPPORTED ON HP12 X 53 PILING EST 60' LONG. EXCAVATE TO BOTTOM OF FOOTING BEFORE DRIVING PILES.

SEE FOUNDATION DATA ON SHEET 1.

IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE PROPOSED PILE SPACING CAN BE ADJUSTED, WITH THE PRIOR APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISTING PILES AND ADJUSTING THE SPACING IS INCIDENTAL TO REMOVING EXISTING PILES.

EXIST = EXISTING

EF = EACH FACE

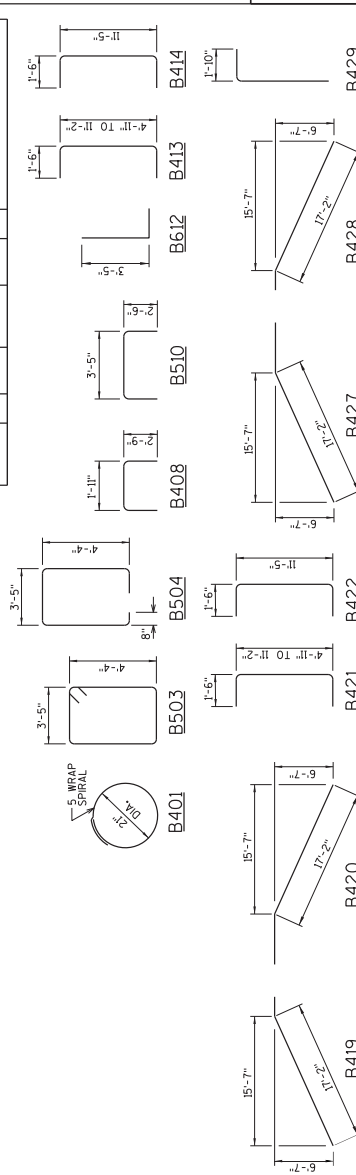
BF = BACK FACE

EXST = EXISTING

BAR SERIES TABLE			NORTH ABUT	
BAR MARK	NO. REOD.	LENGTH	REIN.	LOCATION
B413	2 SERIES OF 16	7'-0" TO 14'-0"	X	WING 3 VERT
B417	1 SERIES OF 7	3'-0" TO 17'-5"		WING 3 HORIZ BF
B418	1 SERIES OF 7	4'-5" TO 18'-0"		WING 3 HORIZ EF
B421	2 SERIES OF 16	7'-3" TO 14'-0"	X	WING 4 HORIZ BF
B425	1 SERIES OF 7	4'-5" TO 18'-0"		WING 4 HORIZ EF
B426	1 SERIES OF 7	3'-0" TO 17'-5"		WING 4 HORIZ BF

BUNDLE AND TAG EACH SERIES SEPARATELY

BILL OF BARS					NORTH ABUT	
BAR MARK	NO. REOD.	LENGTH (FT-IN)	BAR SERIES	INSTR.	LOCATION	
B401	36	27'-0"	X		BODY AT PILES	
B402	36	2'-3"	X		BODY AT PILES	
B503	32	16'-2"	X		BODY STIRUP AT PILES	
B504	32	16'-2"	X		BODY STIRUP AT PILES	
B605	4	25'-0"	X		BODY HORIZ BF	
B606	4	25'-0"	X		BODY HORIZ EF	
B907	16	22'-0"	X		BODY VERT TOP	
B409	8	24'-6"	X		BODY VERT TOP	
B510	8	24'-6"	X		BODY VERT TOP AT KEY	
B411	8	24'-6"	X		BODY VERT TOP AT KEY	
B612	8	4'-3"	X		BODY L-BAR AT ENDS	
B412	32	10'-11"	▲		WING 3 VERT EF	
B414	4	14'-3"	X		WING 3 VERT EF	
B915	4	20'-11"	X		WING 3 HORIZ BF	
B516	5	18'-1"	X		WING 3 HORIZ FF	
B417	7	10'-3"	▲		WING 3 HORIZ BF	
B418	7	11'-8"	▲		WING 3 HORIZ FF	
B419	1	19'-0"	X		WING 3 TOP DIAG BF	
B420	1	20'-5"	X		WING 3 TOP DIAG FF	
B421	32	10'-11"	▲		WING 4 VERT EF	
B923	4	14'-3"	X		WING 4 HORIZ BF	
B524	5	19'-9"	X		WING 4 HORIZ FF	
B425	7	11'-8"	▲		WING 4 HORIZ BF	
B426	7	10'-4"	▲		WING 4 HORIZ FF	
B427	1	20'-5"	X		WING 4 TOP DIAG BF	
B428	1	19'-0"	X		WING 4 TOP DIAG FF	
B429	8	13'-2"	X		WING 3 & 4 VERT EF	



SECTION A-A
TYPICAL SECTION THRU BODY

Addendum No. 02
ID 1007-11-79
Revised Sheet 585
November 1, 2018



William C. Dehn
10/30/18

10/24/2018

WEST
SIDE

EAST
SIDE

SINGLE SLOPED PARAPET
42SS MODIFIED. SEE DETAIL
ON THIS SHEET

TRANS
REINFORCEMENT
TYP

1'-8" TYP TOP & BOT
MIN TRANS REINF

 $i2^0-0''$

POINT F
ON PRO

PLOT TIME: 7:19:02 AM

DATE: 10/19/2018

FILE NAME : S:\AE\Donor\25226\5-final-dgn\5i-drawings\20-5+rucl\BRIDGE\b-13-712\dgn\b13712ss2.dgn

Addendum No. 02
ID 1007-11-79
Revised Sheet 591
November 1, 2018

AT ABUTMENT

IN SPAN

83 SPA @ 9" = 62'-3" S428 BOTTOM REINFORCEMENT

62"-10" EDGE OF DECK TO EDGE OF DECK

TYPICAL CROSS SECTION THRU DECK

(LOOKING NORTH)

EDGE OF DECK

EDGE OF RUSTICATION

HORIZ PARAPET REINF

8"

5"

1 1/2 x 5"

OPTIONAL CONSTRUCTION JOINTS

OPTIONAL CONSTRUCTION JOINTS
IN THE PARAPETS MAY BE USED.
RUN BAR REINF. THRU THE JOINT.
LAP LONGIT. BARS A MIN. OF 1'-9".
MIN. JOINT SPACING OF 80'-0".
DEFINE CONST. JOINT WITH A $\frac{3}{4}$ " -
"V" GROOVE.

DETAIL B

SECTION 5-5



LEGEND

William C. Dechen ^{SDR}

10/30/18

SECTION THRU PARAPET ON BRIDGE
(SINGLE SLOPE PARAPET 42SS MODIFIED)

PROFESSIONAL ENGINEER
NATHAN C. KLOPP
E-39850
ST. PAUL, MN

LEGEND

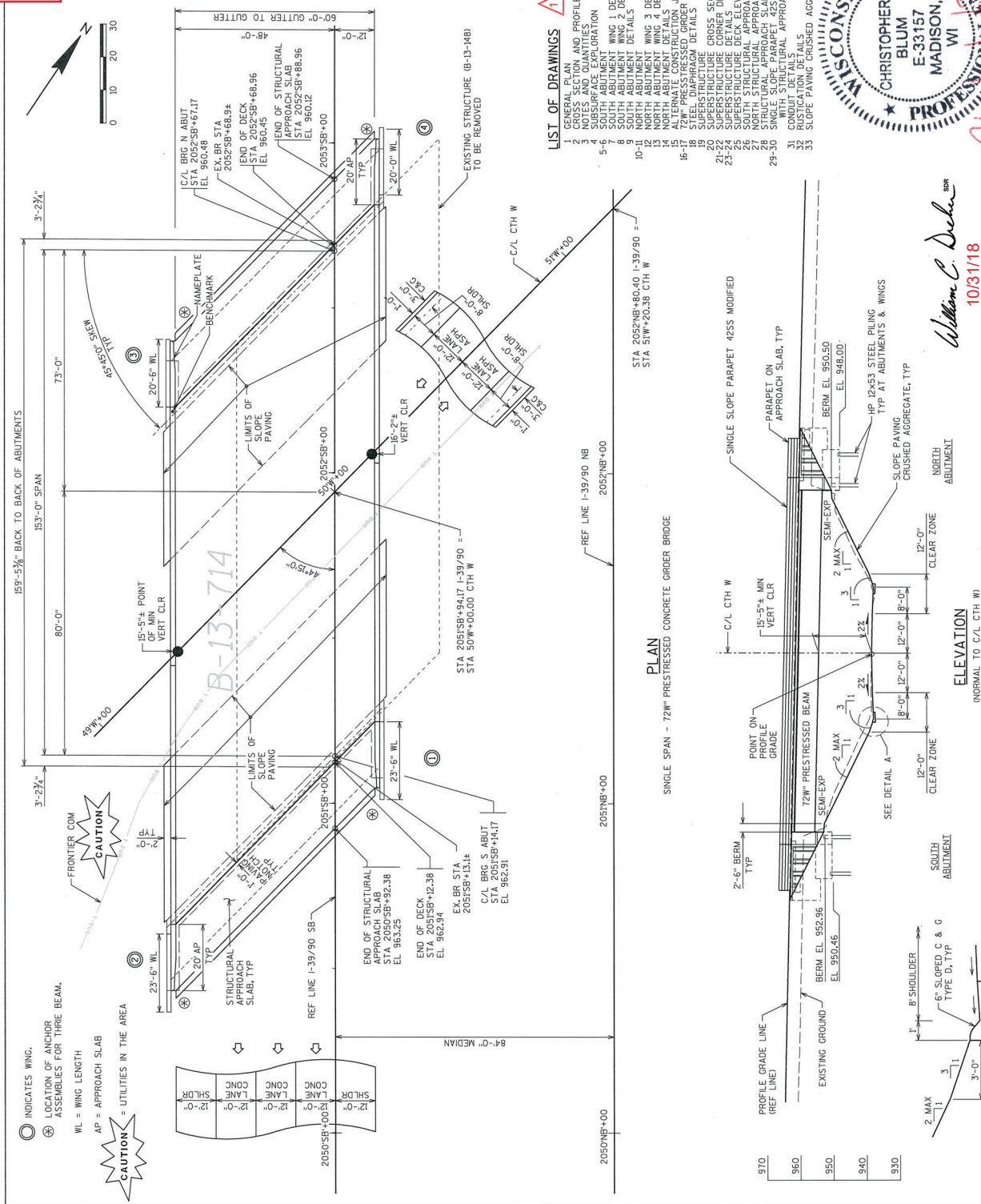
☐ PLACE S519 @ 6½" BETWEEN EVERY TRANSVERSE JOINT.

○ CONSTRUCTION JOINT. STRIKE OFF AS SHOWN.

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
EXIST = EXISTING
BOT = BOTTOM

10/2/18	POLYMER OVERLAY ADDED	CUB
NO.	DATE	REVISION
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION		
STRUCTURE B-13-712		
DRAWN BY	DLF	PLANS CK'D.
SUPERSTRUCTURE CROSS SECTION		SHEET 18 OF 591

Addendum No. 02
ID 1007-11-79
Revised Sheet 605
November 1, 2018



STATE PROJECT NUMBER
1007-11-79

DESIGN DATA

LIVE LOAD:
DESIGN LOAD: HL-93
DESIGN TRUCK: RF = 1.20
OPERATING RATING FACTOR: RF = 1.84
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE
OF 20 PSF

MATERIAL PROPERTIES:
CONCRETE MASONRY - SUPERSTRUCTURE (WPC) - $f'_c = 4,000$ psi
CONCRETE MASONRY - DECK PARAPET, DIAPHRAGM, APPROACH SLAB
- ALL OTHER - $f'_c = 3,500$ psi
(INCLUDING APPROACH
SLAB FOOTING)
HIGH STRENGTH BAR STEEL REINFORCEMENT
AASHTO GRADE 60 - $f_y = 60,000$ psi
72W" PRESTRESSED GIRDER
CONCRETE MASONRY - $f'_c = 8,000$ psi
STRANDS, 0.6" DIA ULTIMATE
TENSILE STRENGTH - $f_y = 270,000$ psi
STEEL DIAPHRAGMS - $f_y = 36,000$ psi

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON UP 1/4" X 3/4" STEEL PILING
WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS* PER PILE AS
DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION, ESTIMATED
45 FEET AT S. ABUTMENT & 50 FEET AT N. ABUTMENT.

*THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION
USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE
MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED
GATES FORMULA TO DETERMINE DRIVEN PILE CAPACITY.

IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER
OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE
PROPOSED PILE SPACING CAN BE ADJUSTED, WITH THE PRIOR
APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISTING
PILES AND INSTALLING NEW PILES IS IDENTICAL TO REMOVING
OLD STRUCTURE STATION 2051SB+94.17.

TRAFFIC DATA

CTH W
I-39/90 SB
ADT (2020) = 56650
ADT (2040) = 70300
DNV (2040) = 5942
T = 29.12
DESIGN SPEED = 70 MPH

FILE POINTS ADDED CJB

NO. DATE REVISION BY

SHORT ELLIOTT HENDRICKSON, INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-714

1-39/90 SB OVER CTH W

COUNTY DANE TOWN/GRAVILLAGE CHRISTIANA

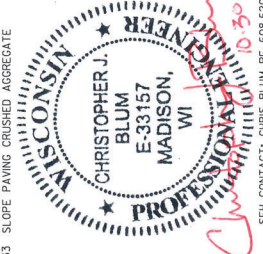
DESIGNER: AASHO LEB BRIDGE DESIGN SPECIFICATIONS

DESIGNED: NCK [C/D] JCT BY DLF [C/D] NCK

GENERAL PLAN

SHEET 1 OF 33

605



William C. Decker
10/31/18

WISDOT BRIDGE OFFICE CONTACT: BILL DREHER, PE, 608.266.8489

TOTAL ESTIMATED QUANTITIES - B-13-714

BID ITEM NUMBER	BID ITEMS	UNIT	SOUTH STRUCTURAL APPROACH SLAB	SOUTH ABUT	NORTH ABUT	NORTH STRUCTURAL APPROACH SLAB	SUPER	TOTALS
5	REMOVING OLD STRUCTURE STATION 2051SB+94.17	LS	-	-	-	-	-	1
6	EXCAVATION FOR STRUCTURES BRIDGES B-13-714	LS	-	-	-	-	-	1
1	BACKFILL STRUCTURE TYPE A	TON	-	597	561	-	-	1158
2	BASE AGGREGATE DENSE 1 1/4-INCH	TON	219	-	-	219	-	438
3	ICE HOT WEATHER CONCRETE	LB	695	930	870	695	3860	7050
4	CONCRETE MASONRY BRIDGES	CY	25	124	116	25	-	290
5	PROTECTIVE SURFACE TREATMENT	SY	134	-	-	134	1044	1312
6	PIGMENTED SURFACE SEALER	SY	20	-	-	20	157	197
7	PRESTRESSED ORDER TYPE 1 1/2W-INCH	LB	-	8,600	8,600	-	1540	17,200
8	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	-	-	-	-	-
9	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	16,760	5620	4790	16,760	64,150	108,080
10	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1085	-	-	1085	-	2170
11	BEARING PADS ELASTOMERIC NON-LAMINATED	EA	-	10	10	-	-	20
12	STEEL DIAPHRAGMS B-13-714	EA	-	-	-	-	18	18
13	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	24	23	-	-	47
14	PILING STEEL HP 12-INCH X 53 LB	LF	-	900	1000	-	-	1900
15	SLOPE PAVING CRUSHED AGGREGATE	SY	-	396	338	-	-	734
16	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	200	180	-	-	380
17	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EA	2	-	-	2	-	4
18	GEOTEXTILE TYPE OF SCHEDULE A	SY	-	109	103	-	-	212
19	CONDUIT RIGID METALLIC 2-INCH	LF	-	-	-	-	24	24
20	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	-	-	-	-	420	420
21	JUNCTION BOXES 18 X 12 X 6-INCH	EA	-	-	-	-	2	2
22	HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES	CY	68	-	-	68	514	650
23	CONCRETE MODIFIED PARAPETS	CY	1205	-	-	1205	9395	11,805
24	CONCRETE MODIFIED PARAPETS	EA	-	20	20	-	-	40
25	NON-BID ITEMS	EA	-	-	-	-	-	-
26	FILLER	SIZE	-	-	-	-	-	-
27	NAMEPLATE	EACH	-	-	-	-	-	-

1 A FACTOR OF 2.0 WAS USED TO CONVERT CU YDS TO TONS.

2 INCLUDES RODENT SHIELD FOR PIPE UNDERDRAIN PER SDD BFC-4.

3 BID ITEM 501,000.00 INCLUDES ALL CONCRETE QUANTITIES.

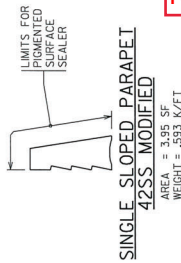
4 BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES" SHALL BE UTILIZED IN THE DECK & HAUNCHES, PARAPETS, ABUTMENT DIAPHRAGMS, APPROACH SLABS AND APPROACH SLAB PARAPETS.

5 BID ITEM "CONCRETE MASONRY BRIDGES" SHALL BE UTILIZED FOR ALL OTHER CONCRETE ITEMS INCLUDING THE APPROACH SLAB FOOTINGS.

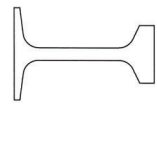
6 SEE PILE NOTE/FOUNDATION DATA ON SHEETS L.9 & 14.



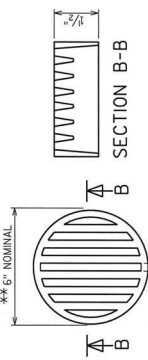
William C. Decker
10/31/18



SINGLE SLOPED PARAPET
42SS MODIFIED
AREA = 3.95 SF
WEIGHT = .583 K/LF



TYPE 1 1/2W-INCH
PRESTRESSED GIRDER
AREA = 915.50 INCHES
WEIGHT = 953 LB/LF

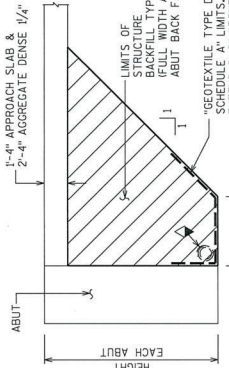


RODENT SHIELD

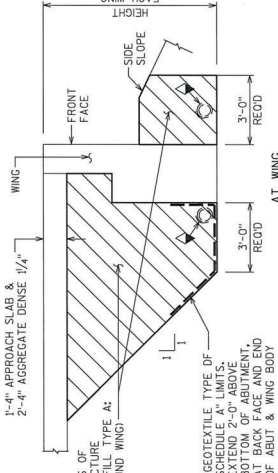
**NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SHIELD SO SLOTS ARE VERTICAL.

RODENT SHIELD, PIPE COUPLING, AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

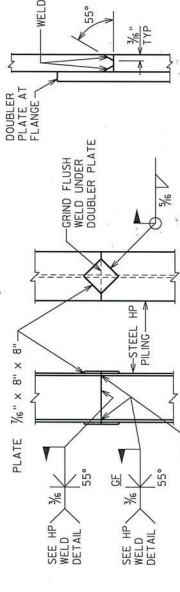
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



BACKFILL STRUCTURE LIMITS
A FACTOR OF 2.0 WAS USED TO CONVERT CU YDS TO TONS



PILE SPLICE DETAIL
IF DOUBLER PLATE IS PLACED FIRST



HP12" WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

FOR EXISTING STRUCTURE SEE PROFILE GRADE LINE ON SHEET 2.

REFER TO ROADWAY DRAWINGS FOR EXACT EXISTING UTILITY LOCATIONS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATIONS ARE IN FEET-ELEVATIONS ARE REFERENCED TO THE NAVD 88 (2007) DATUM.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE ASHTO DESIGNATION.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF ASHTO DESIGNATION M31 TYPE 1, 2, OR 3 OR ASHTO DESIGNATION M21.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENTS DETAILS.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

EXCAVATION BELOW THE ABUTMENTS AND ABUTMENTS BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

AT THE BACKFACE OF ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO THE EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE PRESTRESSED ORDER DETAILS SHEET.

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY, NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW SURFACE OF CONCRETE).

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

APPLY A PROTECTIVE SURFACE TREATMENT TO TOP OF BRIDGE DECK, TOP OF APPROACH SLABS AND TOP OF APPROACH SLAB NOTCH. APPLY PIGMENTED SURFACE SEALER TO TOP OF BRIDGE DECK, TOP OF APPROACH SLAB NOTCH, LOCATED ON THE STRUCTURAL APPROACH SLAB. PREPARE TO THE STANDARD SPECIFICATIONS AND THE SUPERSTRUCTURE DETAILS SHEET.

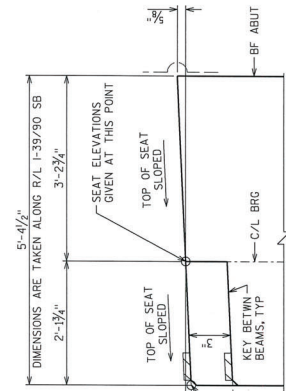
THE 42SS MODIFIED PARAPETS ARE INCLUDED IN THE BID ITEM "CONCRETE MASONRY BRIDGES".

THE PARAPETS IN THE ABUTMENTS ARE INCLUDED IN THE BID ITEM "CONCRETE MASONRY BRIDGES".

THE PARAPETS AT THE BACK FACE OF THE PARAPET ARE INCLUDED IN THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

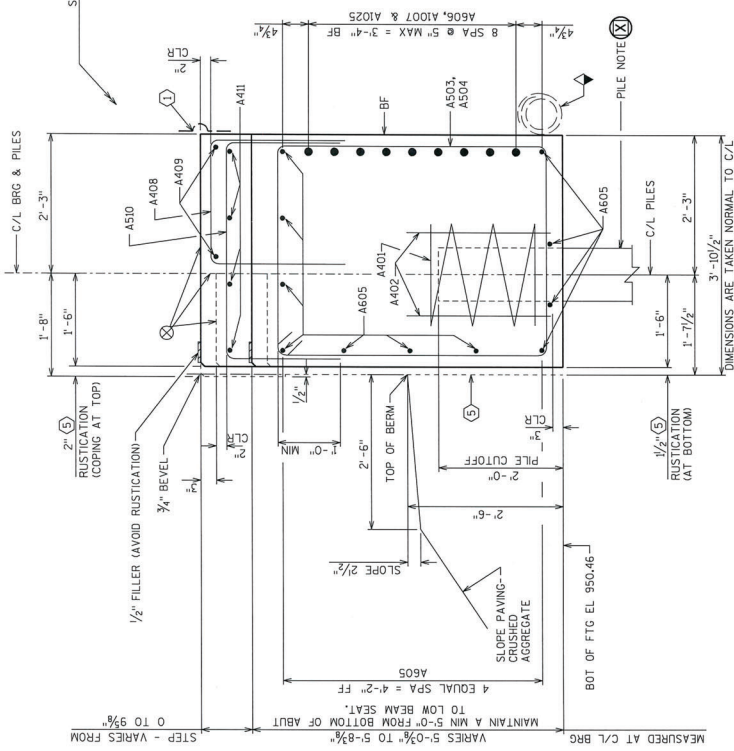
STA. 2051SB+94.17 REMOVE EXISTING STRUCTURE (B-13-148) A THREE-SPAN 156.3' LONG X 58'-0" CLEAR WIDTH.

NOTE:
THE FIRST DIGIT OF A THREE DIGIT BAR MARK AND THE FIRST TWO DIGITS
OF A FOUR DIGIT BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

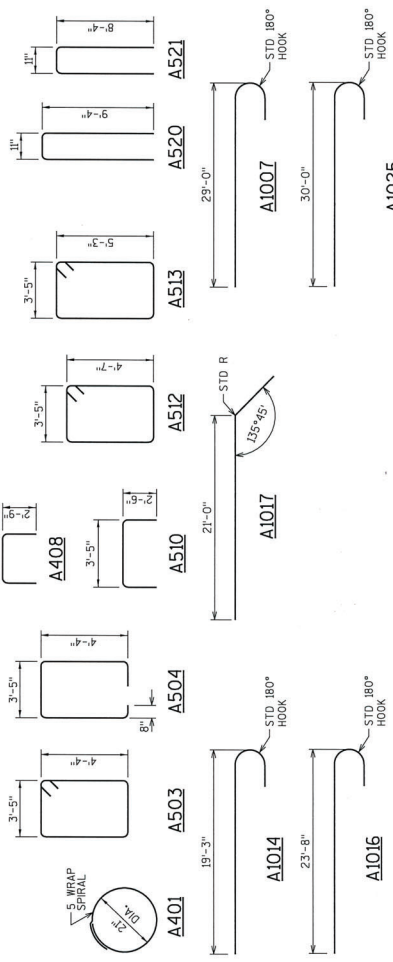


SEAT SLOPE DETAIL
SOUTH ABUT

Addendum No. 02
ID 1007-11-79
Revised Sheet 613
November 1, 2018



BILL OF BARS					SOUTH ABUT	
BAR MARK	NO. REQD.	LENGTH FT IN	BAR SERIES	INSTR	LOCATION	
A401	18	27 - 9	X		BODY AT PILES	
A402	36	12 - 2	X		BODY AT PILES	
A403	36	12 - 2	X		BODY STIRRUP AT PILES	
A501	20	13 - 8	X		BODY STIRRUP AT PILE	
A605	44	27 - 0	X		BODY HORIZ	
A606	18	25 - 9	X		BODY HORIZ BF	
A1007	9	30 - 5	X		BODY HORIZ TOP	
A408	8	26 - 4	X		BODY VERT TOP	
A510	74	8 - 2	X		BODY VERT TOP AT KEY	
A411	12	26 - 4	X		BODY HORIZ TOP AT KEY	
A512	X	18	16 - 8	X	WING 1 STIRRUP	
A513	X	20	18 - 6	X	WING 2 STIRRUP	
A104	X	9	20 - 8	X	WING 1 BF	
A105	X	2	20 - 11	X	WING 1 TOP	
A106	X	9	25 - 1	X	WING 2 BF	
A107	X	2	25 - 4	X	WING 2 TOP	
A518	X	6	23 - 0	X	WING 1 FF	
A519	X	6	20 - 9	X	WING 2 FF	
A520	X	68	19 - 4	X	WING 1 & 2 VERT	
A521	X	26	17 - 4	X	WING 1 & 2 VERT	
A421	X	6	7 - 9	X	WING HORIZ EF	
A422	X	30	23 - 1	X	WING HORIZ EF	
A624	X	4	23 - 1	X	WING HORIZ EF TOP	
A1025	9	31 - 5	X		BODY HORIZ BF	



SECTION A-A
TYPICAL SECTION THRU BODY

LEGEND CONT. (FROM SHEET 5)
(5) LIMITS OF ARCHITECTURAL SURFACE TREATMENT RUSTICATION.
FOR DETAILS SEE "AESTHETIC DETAILS" SHEET.
(X) STEEL TROWEL TOP SURFACE OF ABUTMENT, PLACE
MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER
ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS.
TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03"
SOUTH ABUTMENT SUPPORTED ON HP12 X 53 PILING EST. 45' LONG,
EXCAVATE TO BOTTOM OF FOOTING BEFORE DRIVING PILES.
SEE FOUNDATION DATA ON SHEET 1.
IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER
OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE
PROPOSED PILE SPACING CAN BE ADJUSTED WITH THE PRIOR
APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISTING
PILES AND INSTALLING NEW PILES IS INCIDENTAL TO REMOVING
OLD STRUCTURE STATION 205158+94.7.



10-30-18
Christopher J. Blum

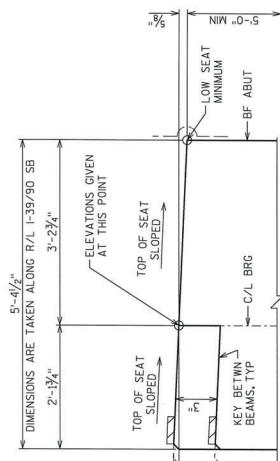
NOTES
THIS SHEET TO BE USED IN CONJUNCTION WITH
SHEETS 5, 6, 7 & 8.
SEE SHEET 5 FOR LEGEND AND ABUTMENT NOTES.
FOR PILE SPLICE DETAIL SEE SHEET 3.
FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.
FOR RUSTICATION DETAILS SEE SHEET 32.

NO.	DATE	REVISION	CJIB
1	10/31/18	FILE POINTS ADDED	
2		BY	

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
STRUCTURE B-13-714
DRAWN BY PLAN NO. NCK
SHEET 9 OF 33
SOUTH ABUTMENT DETAILS
613

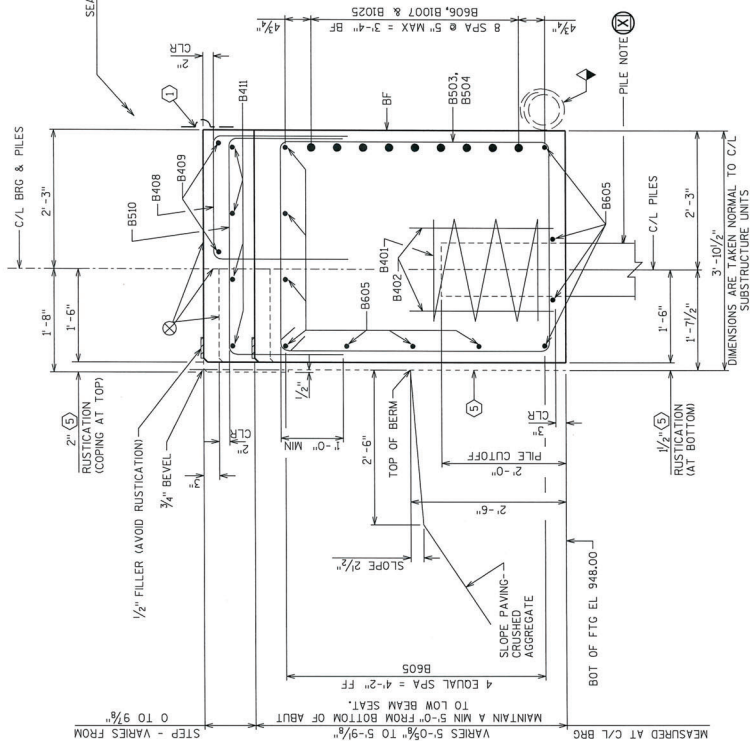
NOTE:
THE FIRST DIGIT OF A THREE DIGIT BAR MARK AND THE FIRST TWO DIGITS
OF A FOUR DIGIT BAR MARK SUPPLIES THE ENGLISH BAR DIAMETER SIZE.
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

BILL OF BARS					NORTH ABUT	
BAR MARK	NO. RECD.	LENGTH (FT-IN)	BAR SERIES	LOCATION		
B401	18	27 - 0	X	BODY AT PILES		
B402	36	2 - 3	X	BODY AT PILES		
B503	96	16 - 2	X	BODY STIRRUP		
B504	20	13 - 8	X	BODY STIRRUP AT PILE		
B605	44	27 - 0	X	BODY HORIZ		
B606	18	25 - 9	X	BODY HORIZ BF		
B1007	9	30 - 5	X	BODY HORIZ TOP		
B408	95	7 - 3	X	BODY VERT TOP		
B409	8	26 - 4	X	BODY HORIZ TOP		
B510	74	8 - 2	X	BODY VERT TOP AT KEY		
B411	12	26 - 4	X	BODY HORIZ TOP AT KEY		
B512	X	15 - 8	X	WING 3 STIRRUP		
B513	X	17 - 8	X	WING 4 STIRRUP		
B1014	X	2 - 17 - 11	X	WING 3 TOP		
B1015	X	2 - 22 - 1	X	WING 4 BF		
B1016	X	2 - 22 - 4	X	WING 3 TOP		
B1017	X	2 - 22 - 4	X	WING 4 FF		
B518	X	6 - 17 - 9	X	WING 3 FF		
B519	X	56 - 18 - 8	X	WING 3 & 4 VERT		
B520	X	26 - 16 - 0	X	WING 3 & 4 VERT		
B422	X	6 - 7 - 9	X	WING HORIZ EF		
B423	X	30 - 20 - 1	X	WING HORIZ EF		
B624	X	4 - 20 - 1	X	WING HORIZ EF TOP		
B1025	9	31 - 5	X	BODY HORIZ BF		



SEAT SLOPE DETAIL NORTH ABUT

Addendum No. 02
ID 1007-11-79
Revised Sheet 618
November 1, 2018



SECTION A-A TYPICAL SECTION THRU BODY

William C. Decker
10/31/18

LEGEND CONT. (FROM SHEET 10)

(5) LIMITS OF ARCHITECTURAL SURFACE TREATMENT RUSTICATION.
FOR DETAILS SEE "AESTHETIC DETAILS" SHEET.

(X) STEEL TROWEL TOP SURFACE OF ABUTMENT, PLACE
MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER
ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS.
TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03"

NORTH ABUTMENT SUPPORTED ON HP12 X 53 PILING EST 50' LONG,
EXCAVATE TO BOTTOM OF FOOTING BEFORE DRIVING PILES.

SEE FOUNDATION DATA ON SHEET 1.

IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER
OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE
PROPOSED PILE SPACING CAN BE ADJUSTED, WITH THE PRIOR
APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISTING
PILES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVING
OLD STRUCTURE STATION 205158+94.17.

PILE POINTS REQUIRED



Christopher J. Blum
10-30-18

NOTES

THIS SHEET TO BE USED IN CONJUNCTION WITH
SHEETS 10, 11, 12 & 13.

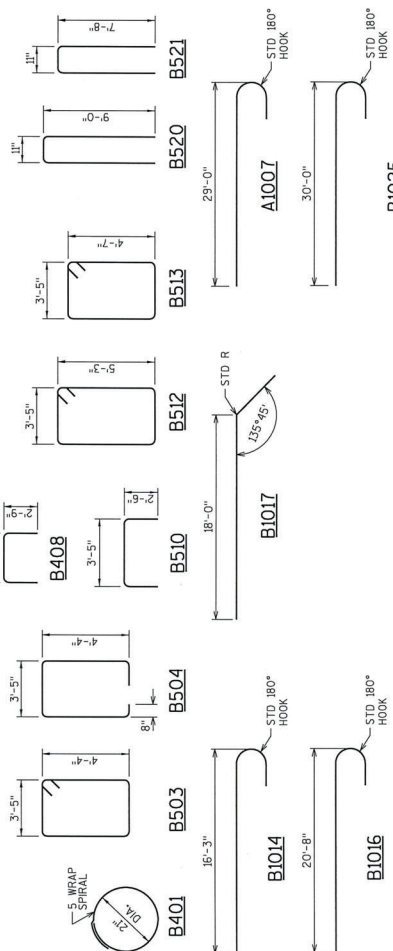
SEE SHEET 5 FOR LEGEND AND ABUTMENT NOTES.

FOR BEARING PAD DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.

FOR RUSTICATION DETAILS SEE SHEET 32.

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
EXIST = EXISTING



PILE POINTS ADDED

NO.	DATE	REVISION	BY
1	10/31/18	PILE POINTS ADDED	CJB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-714

DRAIN	D/F	PLANS	NCK

SHEET 14 OF 33

NORTH ABUTMENT
DETAILS

618

LIST OF DRAWINGS

- GENERAL PLAN
- TYPICAL SECTION, DESIGN DATA, & PROFILE GRADE LINES
- QUANTITIES AND NOTES
- SUBSURFACE EXPLORATION
- SOUTH ABUTMENT
- SOUTH ABUTMENT WING 2 DETAILS
- SOUTH ABUTMENT WING 1 DETAILS
- SOUTH ABUTMENT DETAILS AND BILL OF BARS
- NORTH ABUTMENT
- NORTH ABUTMENT FOOTING LAYOUT
- NORTH ABUTMENT WING 2 DETAILS
- NORTH ABUTMENT WING 1 DETAILS
- NORTH ABUTMENT DETAILS AND BILL OF BARS
- ALTERNATE CONSTRUCTION JOINT
- SOUTH ABUTMENT BEARING DETAILS
- 12" PRESTRESSED GIRDER DETAILS
- STEEL DIAPHRAGM
- SUPERSTRUCTURE GIRDER LAYOUT
- UPPER DECK ELEVATIONS
- LONGITUDINAL SLAB STEEL LAYOUT
- TRANSVERSE SLAB STEEL LAYOUT
- CONDUIT DETAILS
- CONDUIT BILL OF BARS
- EXPANSION DEVICE AT SOUTH ABUTMENT
- EXPANSION DEVICE AT NORTH ABUTMENT
- EXPANSION DEVICE AT APPROACH SLAB
- SOUTH STRUCTURAL APPROACH SLAB
- NORTH STRUCTURAL APPROACH SLAB
- STRUCTURAL APPROACH SLAB DETAILS
- SINGLE SLOPE PARAPET MODIFIED 42SS
- SLOPE PAVING CRUSHED AGGREGATE

FOR TYPICAL SECTION, DESIGN DATA, AND PROFILE GRADE LINE, SEE SHEET 2

FOR QUANTITIES AND GENERAL NOTES SEE SHEET 3

NO.	DATE	REVISION	BY
10/18		POLYMER OVERLAY ADDED	AYRES

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Mills Parkway
Eau Claire, WI 54601
www.ayresassociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED
CHIEF STRUCTURES DESIGN ENGINEER
DATE

STRUCTURE B-13-716
1-39/90 SB OVER DROTING ROAD

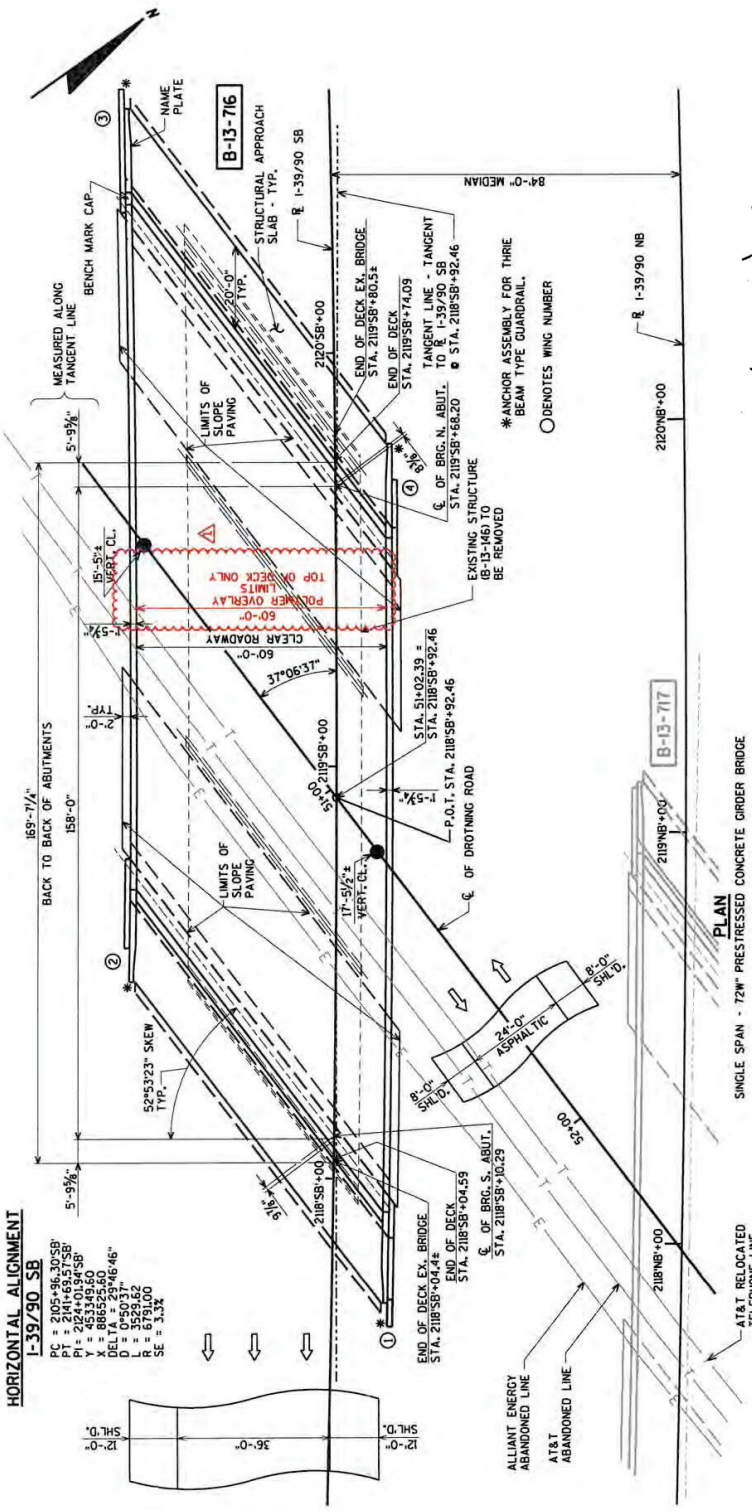
COUNTY DANE
TOWNSHIP PLEASANT SPRINGS

DESIGN PROJECT NO. 1007-11-79
DESIGNED BY AEB/ELC/JLB
DRAWN BY JLB
CHECKED BY CCM

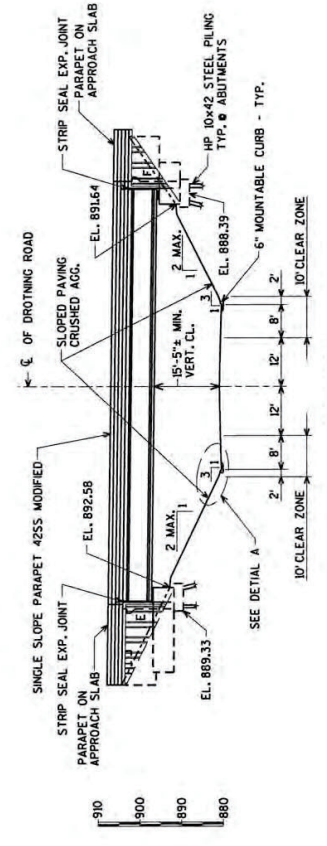
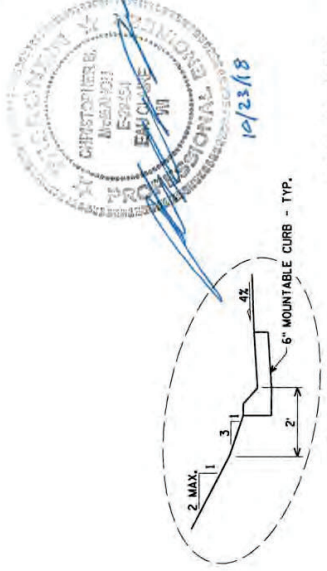
PLANS CDS
SHEET 1 OF 39

GENERAL PLAN
638

BRIDGE OFFICE CONTACT: WILLIAM DREHER (608)-266-8489	CONSULTANT CONTACT: CHRIS MCMAHON (715)-834-3161
--	--



William C. Dreher
10/30/18



Addendum No. 02
ID 1007-11-79
Revised Sheet 638
November 1, 2018

LIVE LOAD:

MATERIAL PROPERTIES:

[illegible]

FOUNDATION DATA:

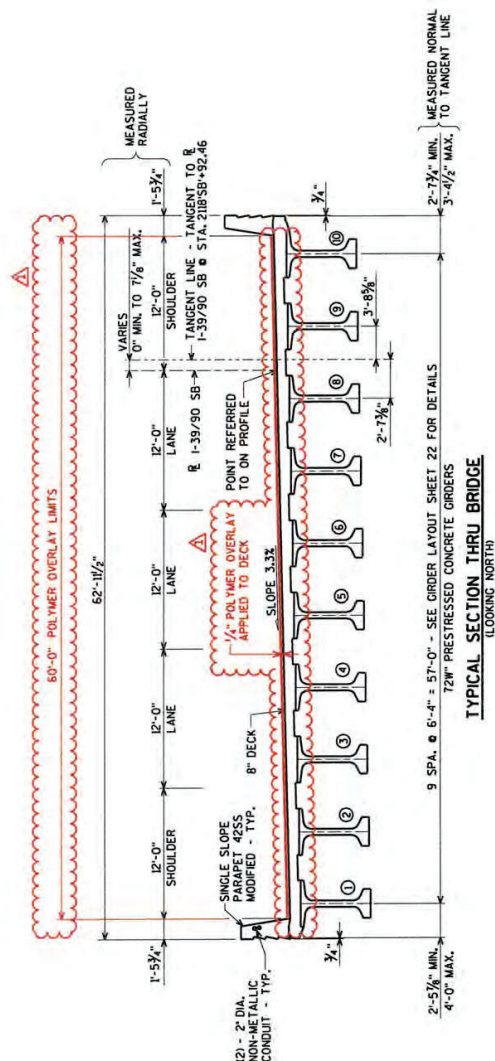
SOUTH ABUTMENT TO BE SUPPORTED ON HP 10 x 42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA, ESTIMATED LENGTH 30'-0".

THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

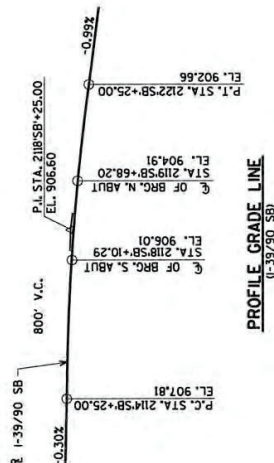
TRAFFIC DATA:

1-39/90 SB
A.A.D.T. = 56,650 (2020)
A.A.D.T. = 70,300 (2040)
R.D.S. = 70 MPH.

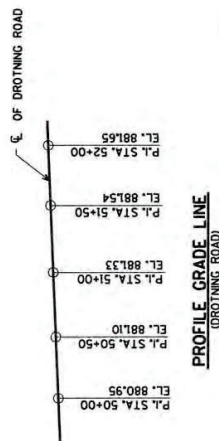
Addendum No. 02
ID 1007-11-79
Revised Sheet 639
November 1, 2018



TYPICAL SECTION THRU BRIDGE
(LOOKING NORTH)



PROFILE GRADE LINE



PROFILE GRADE LINE

BENCH MARK:
BRIDGE DISK B-13-146
STA. 2120+56.72, 123.06' LT
EL. 901.47


William C. Diehr SDR

10/30/18



AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

AVRES ASSOCIATES
ORIGINAL PLANS PREPARED BY
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

 10/18 POLYMER OVERLAY ADDED	ATYES	
	BY	
NO.	DATE	REVISION
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION		
STRUCTURE B-13-716		
DRAWN BY C.L.S.	PLANS EXD.	CDM SHEET 2 OF 39
TYPICAL SECTION, DESIGN DATA, & PROFILE GRADE LINES		639

STRUCTURE B-13-716

TYPICAL SECTION,
DESIGN DATA, &

539

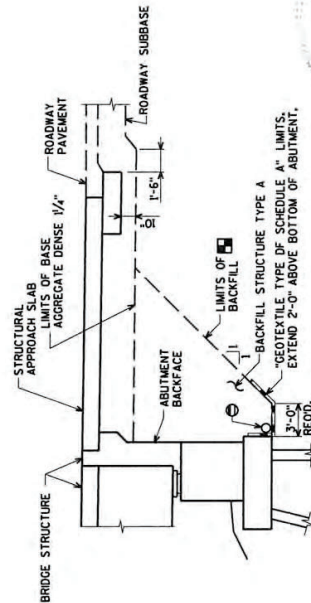
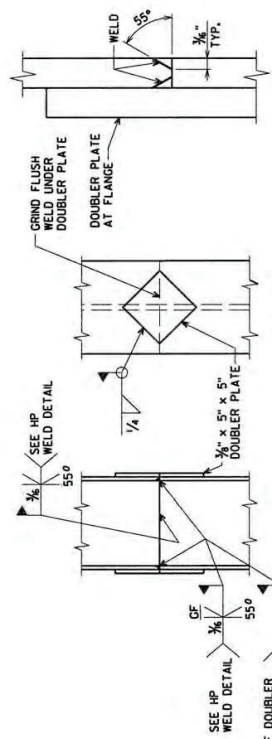
Addendum No. 02
ID 1007-11-79
Revised Sheet 640
November 1, 2018

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	S. STR. APR. SLAB	S. ABUT.	N. ABUT.	N. STR. APR. SLAB	SUPER.	TOTAL
203.0200	REMOVING OLD STRUCTURE STATION 210SR+92	LS	-----	-----	-----	-----	-----	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-716	LS	-----	-----	-----	-----	-----	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-----	860	865	-----	-----	1,725
305.0120	BASE AGGREGATE DENSE 1 1/4" INCH	TON	215	730	2,145	215	3,010	4,330
501.1000-S	ICE HOT WEATHER CONCRETES	LB	29	286	300	29	3,010	8,865
502.0100	CONCRETE MASONRY BRIDGES	CY	29	286	300	29	3,010	644
502.3100	EXPANSION DEVICE B-13-716	LS	-----	-----	-----	-----	-----	360
502.3200	PROTECTIVE SURFACE TREATMENT	SY	135	45	45	135	1,175	1,445
502.3210	PIGMENTED SURFACE SEALER	SY	20	-----	-----	20	85	125
503.0172	PRESSURE ORDER TYPE 1 7/8" INCH	LF	-----	-----	-----	-----	-----	1,591
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-----	9,700	10,120	-----	-----	20,020
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	18,480	8,410	8,600	18,480	59,490	113,460
505.0800-S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1,070	-----	-----	1,070	-----	2,140
506.2610	BEARING PAIDS ELASTOMERIC LAMINATED	EACH	-----	10	-----	-----	-----	18
506.4000	STEEL DIAPHRAGMS B-13-716	EACH	-----	-----	30	-----	18	18
506.6000	BEARING ASSEMBLIES-FIXED B-13-716	EACH	-----	-----	30	-----	18	18
509.5100-S	POLYMER OVERLAY	SF	-----	25	25	-----	1,095	1,095
515.0900	ROBBERIZED MEMBRANE WATERPROOFING	SF	-----	-----	-----	-----	-----	90
550.1100	PILING STEEL HP 10-INCH x 42 LB	LF	-----	1,230	1,400	-----	-----	2,630
600.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	-----	375	335	-----	-----	710
612.0406	PIPE UNDERDRAIN WRAPPED 8-INCH	LF	-----	160	170	-----	-----	330
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	-----	-----	2	-----	4
645.0111	GEOTEXTILE TYPE D- SCHEDULE A	SY	-----	90	95	-----	-----	185
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	30	-----	30	-----	15	75
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	35	-----	35	-----	30	400
653.0225	JUNCTION BOXES 18X12X6-INCH	EACH	68	-----	-----	68	2	2
SPV025.100	HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES	CY	1,200	110	110	1,200	48,660	49,960
SPV025.100	LONGITUDINAL GROOVING BRIDGE DECK	SF	-----	-----	-----	-----	-----	2,740
	NON-BID ITEMS	SIZE	-----	-----	-----	-----	-----	1/4"
	FILLER	-----	-----	-----	-----	-----	-----	-----

⊗ HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES SHALL INCLUDE ALL SUPERSTRUCTURE CONCRETE AND ALL STRUCTURAL APPROACH CONCRETE, EXCEPT THE STRUCTURAL APPROACH SLAB FOOTING CONCRETE.

☆ IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE PROPOSED PILE SPACING CAN BE ADJUSTED, WITH THE PRIOR APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISTING PILES AND ADJUSTING THE SPACING IS INCIDENTAL TO REMOVING OLD STRUCTURE STATION 210SR+92.



BACKFILL STRUCTURE LIMITS

- BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCLUDED WITH EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MINIMUM. SEE SHEET 640 FOR DETAILS.
- SHIELD AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON SHEET 9.

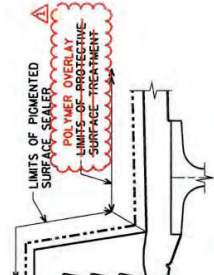


William C. Dehn, SOR

10/30/18

GENERAL NOTES

- DRAWINGS SHALL NOT BE SCALED.
- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.
- THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFY THE BAR SIZE.
- ALL REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M 318, TYPE 1, 11 OR 111 OR AASHTO DESIGNATION M 313.
- THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAILS.
- EXISTING ROAD STRUCTURES SHALL BE THE UPPER LIMIT FOR EXCAVATION FOR STRUCTURES.
- EXISTING BRIDGE B-13-46 IS A THREE-SPAN CONTINUOUS STEEL GIRDER BRIDGE THAT WAS WIDENED ON THE WEST SIDE WITH A PRESTRESSED CONCRETE GIRDER BRIDGE, WITH AN OVERALL LENGTH OF 185'-9 1/2" AND A CLEAR ROADWAY WIDTH OF 58'-0".
- THE FACE OF ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL.
- STRUCTURE TYPE A: PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER IS TO BE APPLIED AS SHOWN IN DETAIL ON THIS SHEET.
- THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH BEVEL EXPOSED EDGES OF CONCRETE 1/4" UNLESS OTHERWISE NOTED.
- THE RUSTICATIONS IN THE ABUTMENT ARE INCLUDED IN THE BID ITEM "CONCRETE MASONRY BRIDGES".
- THE RUSTICATIONS AT THE BACK FACE OF THE PARAPET ARE INCLUDED IN THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".
- PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO THE STRUCTURAL APPROACH SLAB.
- DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".



PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER DETAILS

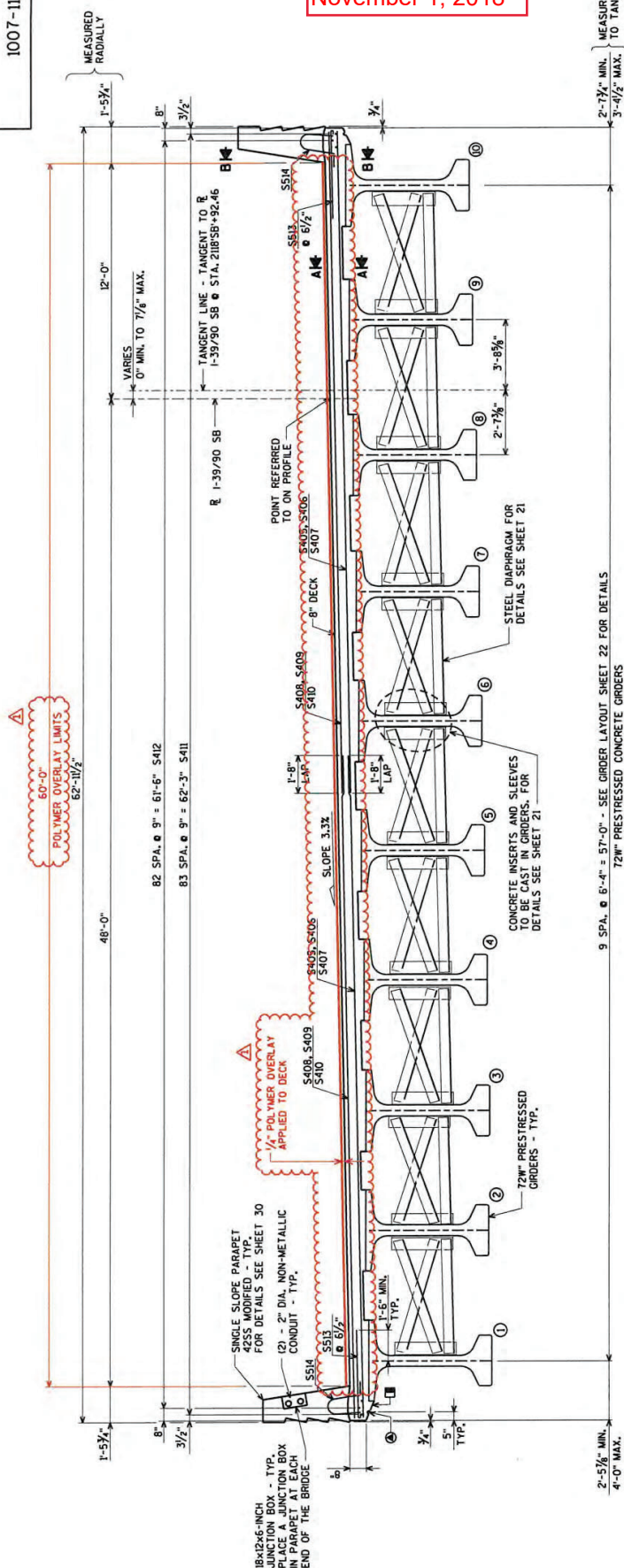
NO. DATE	STATE REVISION	BY
10/18	POLYMER OVERLAY ADDED QUANTITIES CHANGED	AYRES

STRUCTURE B-13-716	QUANTITIES AND NOTES
DESIGNED BY	CLAS
DRAWN BY	CLAS
PLANS CDD	CBM
SHEET 3 OF 39	640

ORIGINAL PLANS PREPARED BY
3433 Oakwood Hills Parkway
Eau Claire, WI 54601
www.ayresassociates.com

AYRES ASSOCIATES

Addendum No. 02
ID 1007-11-79
Revised Sheet 661
November 1, 2018

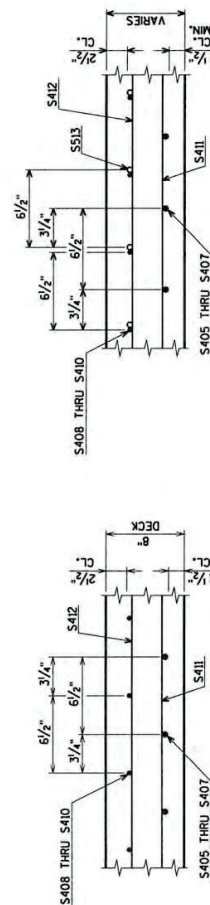


④ 1/4" V - GROOVE. TERMINATE
2'-0" FROM FRONT FACE
OF ABUTMENTS - TYP.

□ SLOPE BOTTOM OF SLAB AT EXTERIOR GIRDER TO MATCH THE SLOPE OF THE BOTTOM OF TOP FLANGE - TYP

CROSS SECTION THRU DECK
(LOOKING NORTH)

(LOOKING NORTH)



SECTION A

SECTION B

10/30/18

William C. Decker SDR

10/18	POLYMER OVERLAY ADDED	ATYES
NO.	REVISION	BY
DATE		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-716

GRAIN BY	CLS	PLANS FOOT.	CDM
----------	-----	----------------	-----

SHEET 24 OF 39

SUPERSTRUCTURE

661

AYRES ASSOCIATES
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SPENS

FORM HOLES IN WEB WITH 1/4" SCHEDULE 40 GALVANIZED PIPE, 3/4" x 2 3/8" LONG SLOTTED HOLE (TYP.) IN ANGLE FOR 3/8" DIA. HIGH STRENGTH BOLTS.

EXPANSION DEVICE, FOR DETAILS SEE SHEETS 31-34

NO OPTIONAL CONSTRUCTION JOINT WITH DECK SLAB

NO OPTIONAL CONSTRUCTION JOINT WITH DECK SLAB



ANGLE DETAIL

PROVIDE 3/4" x 2 3/8" x 1-7" PLATE WASHERS AT ALL LOCATIONS EXCEPT WHERE NOTED OTHERWISE. WHERE 3/4" x 3/4" x 1-7" PLATE WASHERS SHALL BE PROVIDED.

DIAPHRAGM SUPPORT ANGLES SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM SUPPORT HARDWARE INCLUDING BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM SUPPORT ANGLE TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4" TURN. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OF ASTM A449.

ALL DIAPHRAGM SUPPORT HARDWARE SHALL BE INCLUDED IN "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

CONST. JOINT - STRIKE OFF AND LEAVE ROUGH.

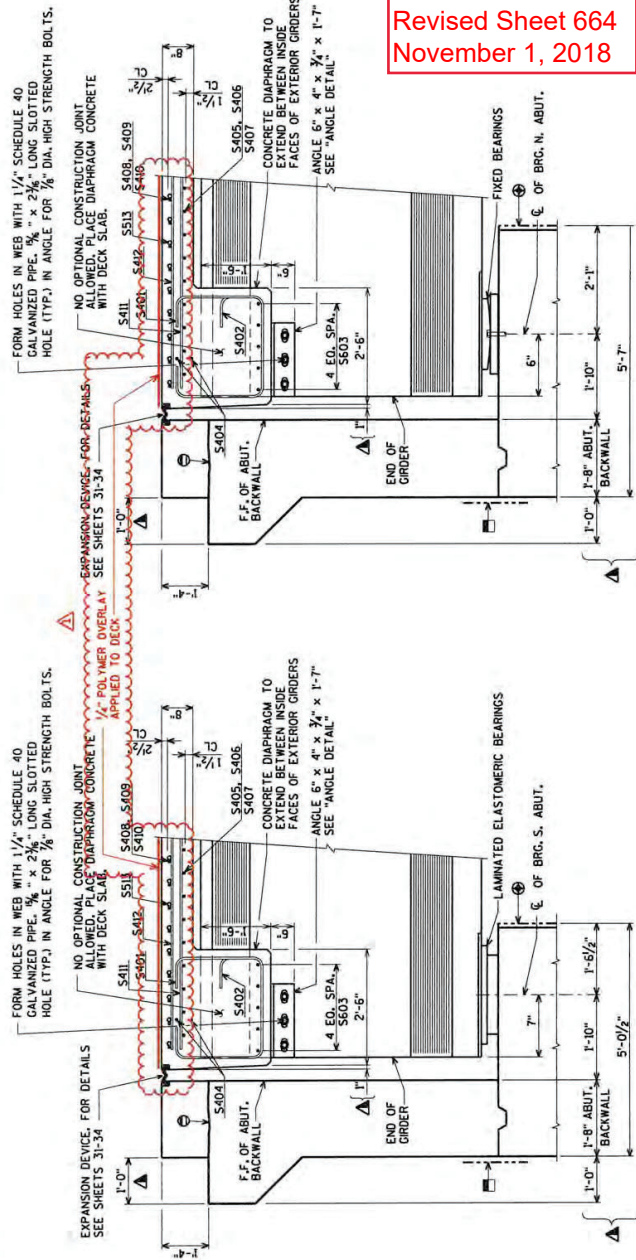
DIMENSIONS MEASURED NORMAL TO C OF SUBSTRUCTURE UNIT.

RUSTICATIONS. FOR DETAILS SEE SHEET 15

F.F. DENOTES FRONT FACE

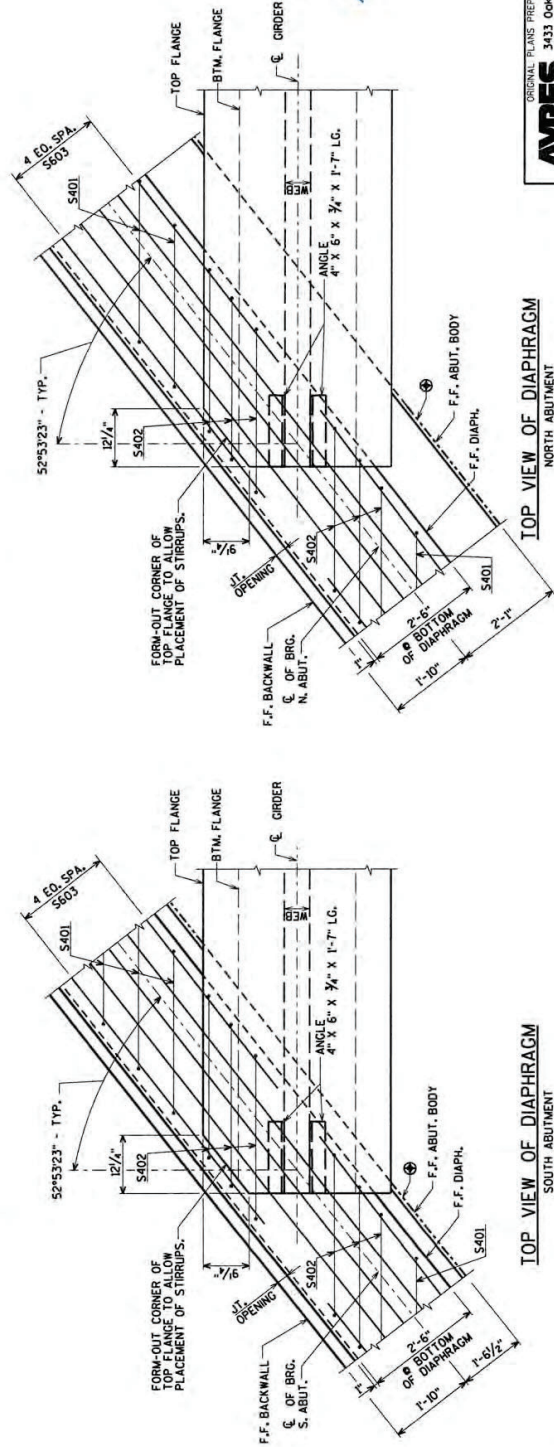
18" RUBBERIZED MEMBRANE WATERPROOFING.

Addendum No. 02
ID 1007-11-79
Revised Sheet 664
November 1, 2018



PART LONGIT. SECTION NORTH ABUTMENT

PART LONGIT. SECTION SOUTH ABUTMENT



TOP VIEW OF DIAPHRAGM NORTH ABUTMENT

TOP VIEW OF DIAPHRAGM SOUTH ABUTMENT

William C. Dehn, SDR

10/30/18



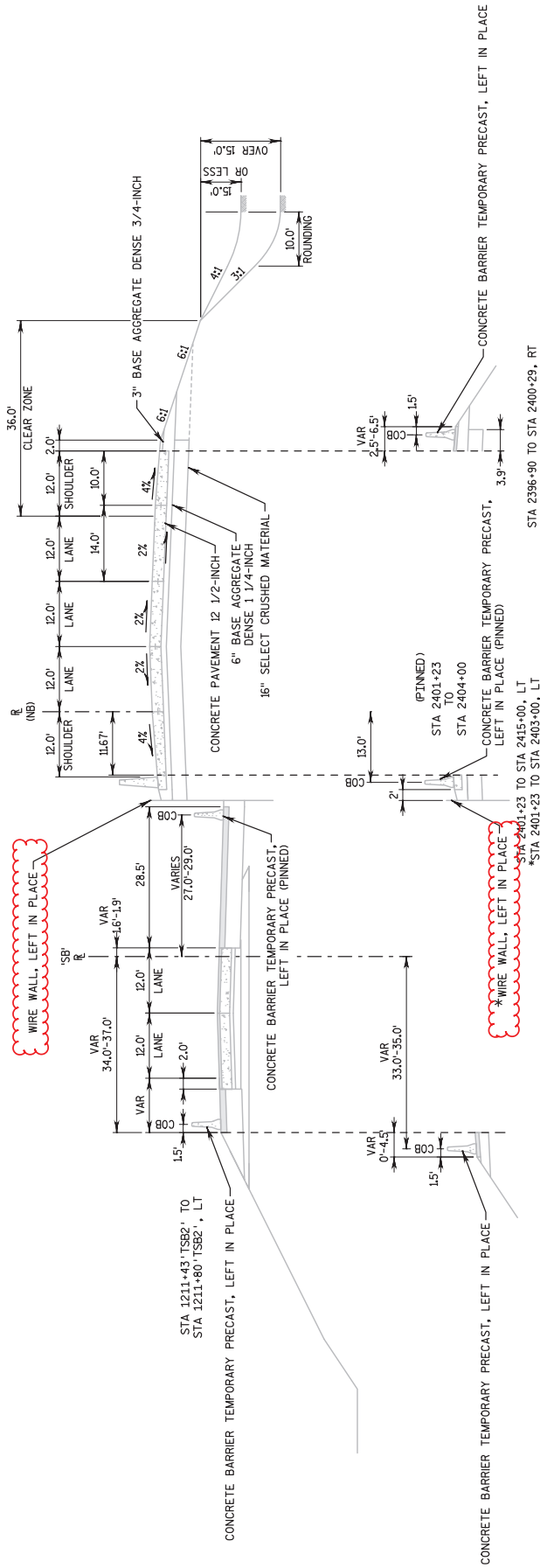
NO.	DATE	REVISION	BY
10-18		POLYMER OVERLAY ADDED	AYRES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
STRUCTURE B-13-716

DESIGNED BY	CLAS	PLANS	CSM
DATE	10/30/18	DATE	10/30/18
SHEET 27 OF 39			
SUPERSTRUCTURE DETAILS			
664			

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TYPICAL EXISTING SECTION

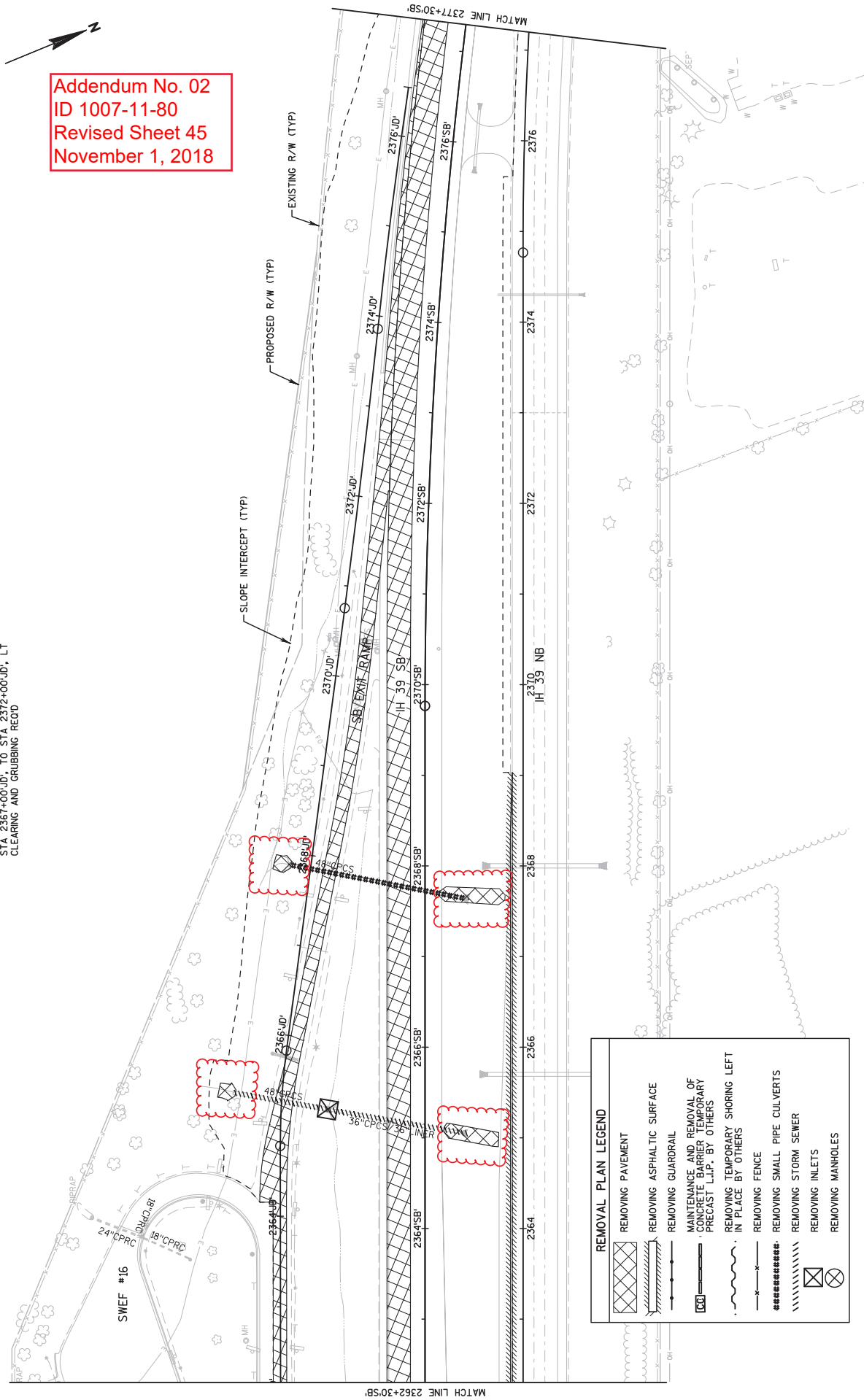
STA 2385+40 (SB) TO STA 2387+97 (SB)
STA 2389+46 (SB) TO STA 2399+92 (SB)
STA 2401+67 (SB) TO STA 2415+00 (SB)

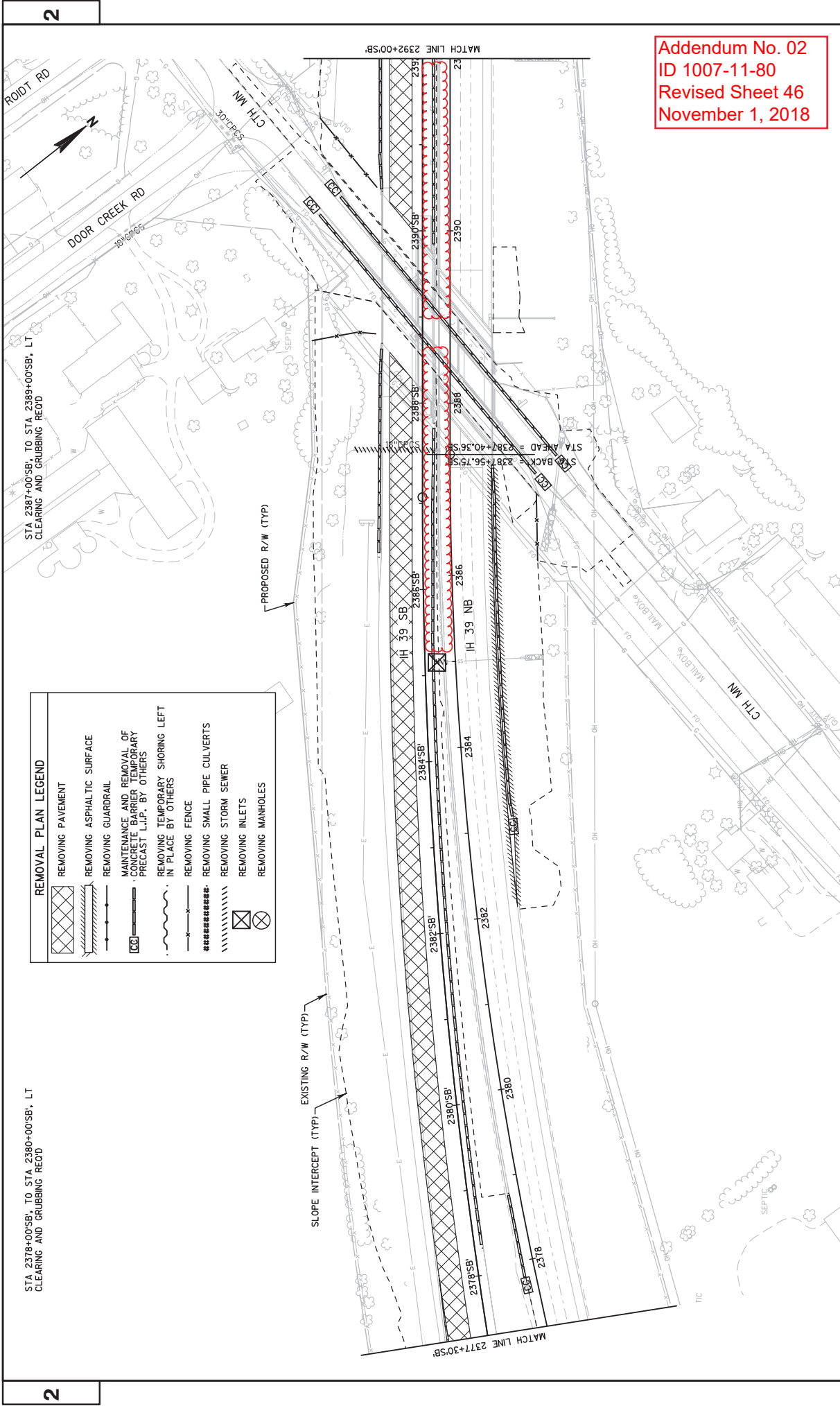
Addendum No. 02
ID 1007-11-80
Revised Sheet 8
November 1, 2018

PROJECT NO: 1007-11-80	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - EXISTING	SHEET 8	E
FILE NAME : 020300-TS (TYPICAL SECTIONS - EXISTING).DWG					
PLOT DATE : 10/17/2018 7:58 AM					
PLOT BY : SBH					
LAYOUT NAME : 05					
PAGE 05 OF 09					
PLOT SCALE : 1.0 IN = 20.0 FT					
WISDOT/CADD SHEET 42					

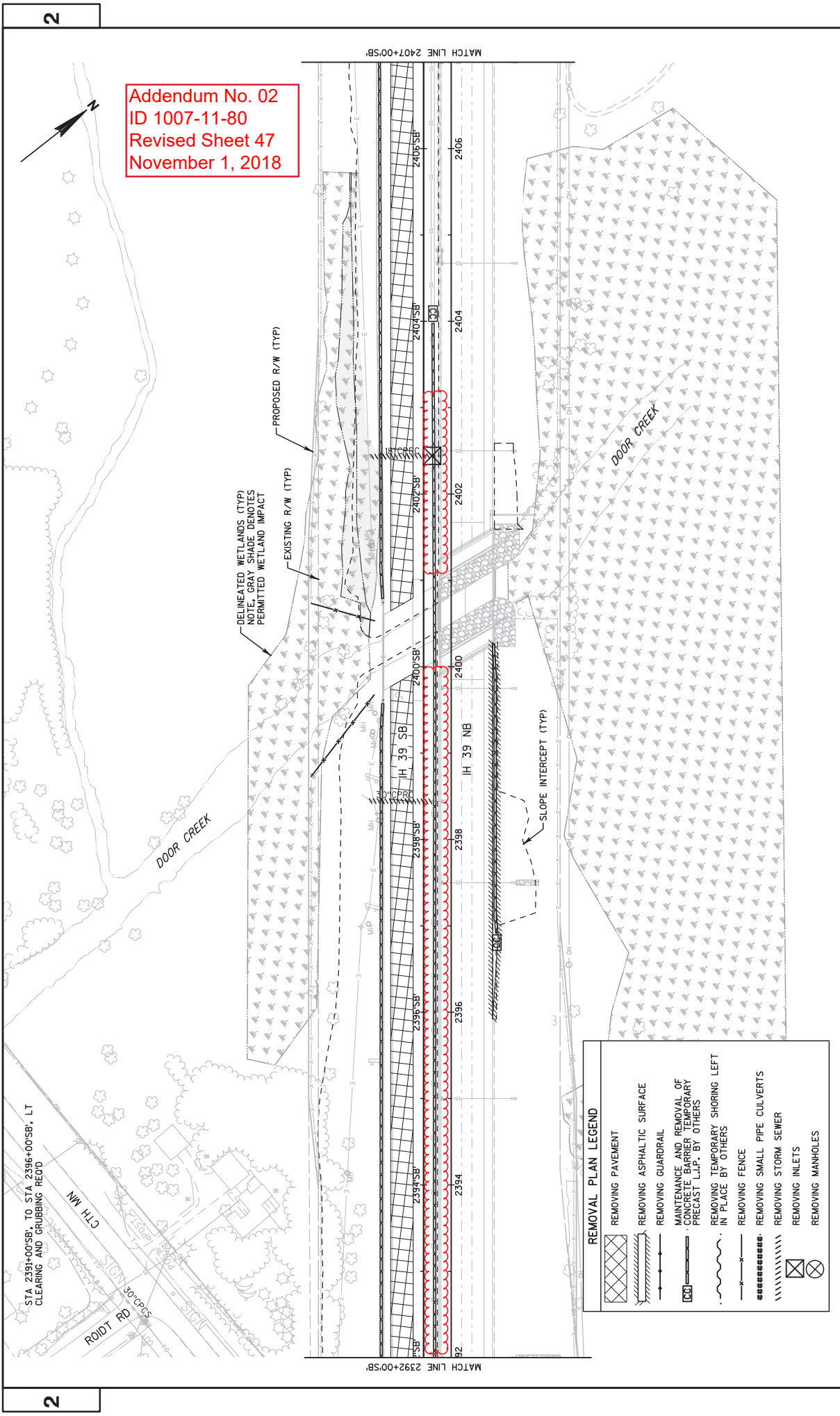
Addendum No. 02
ID 1007-11-80
Revised Sheet 45
November 1, 2018

STA 2367+00.00' TO STA 2372+00.00' LT
CLEARING AND GRUBBING REQ'D

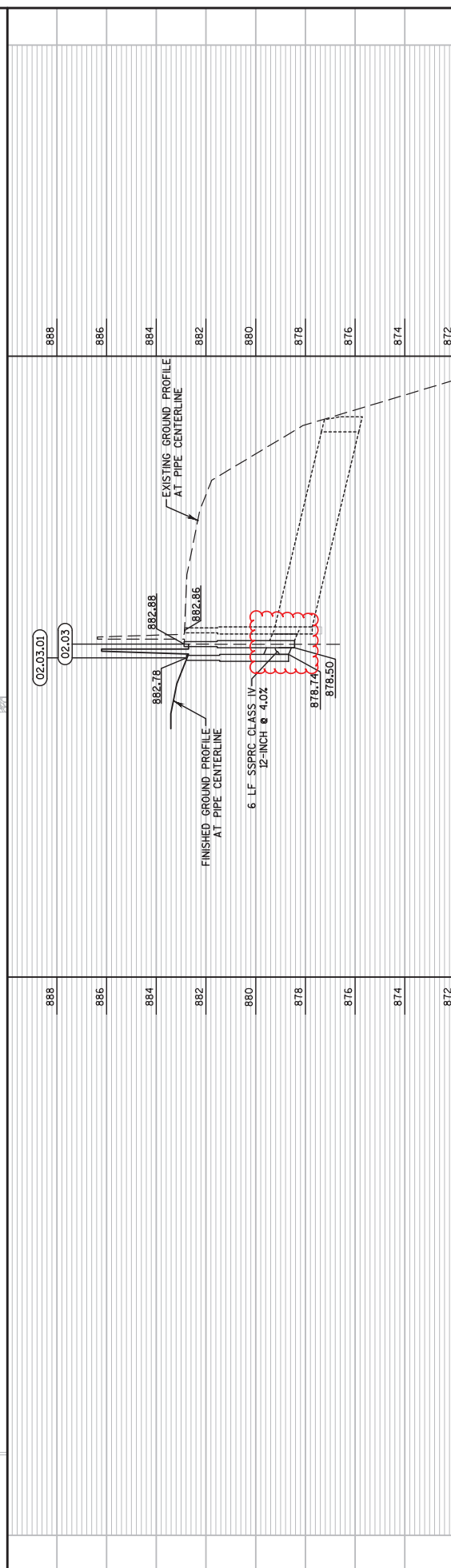
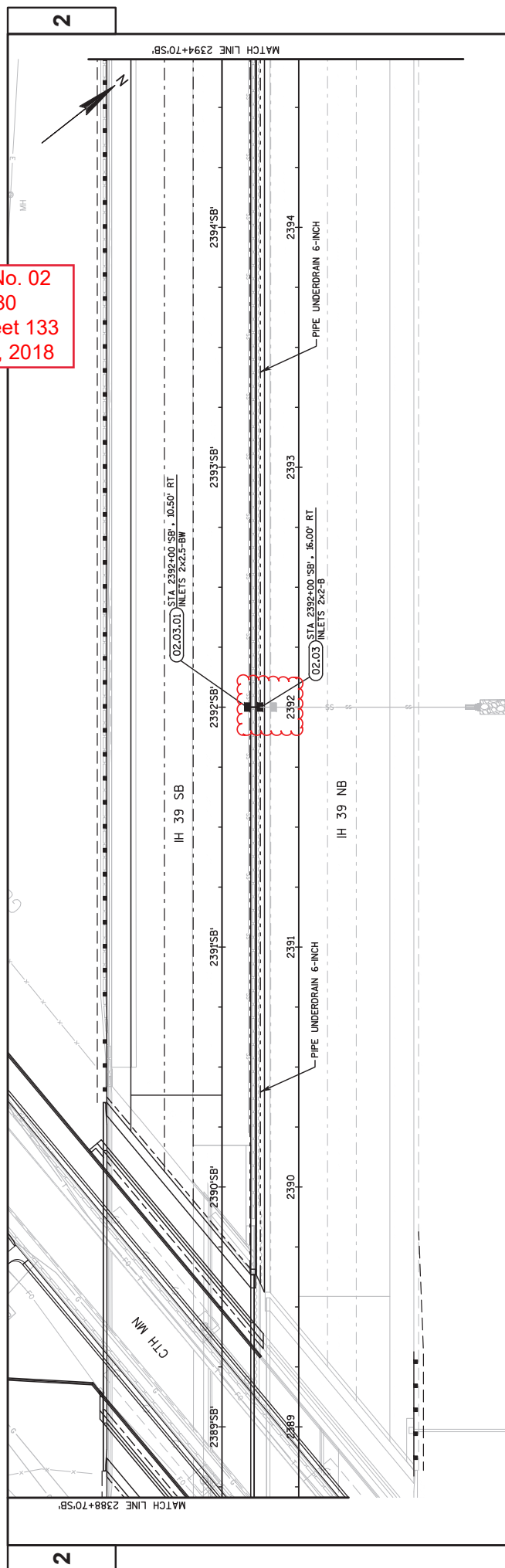




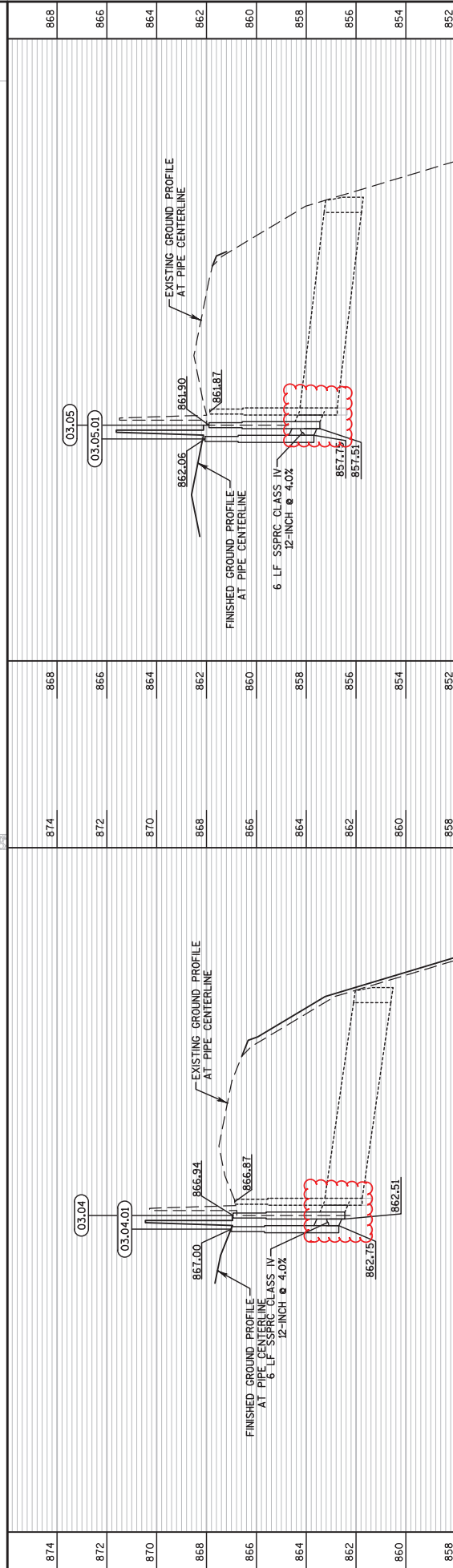
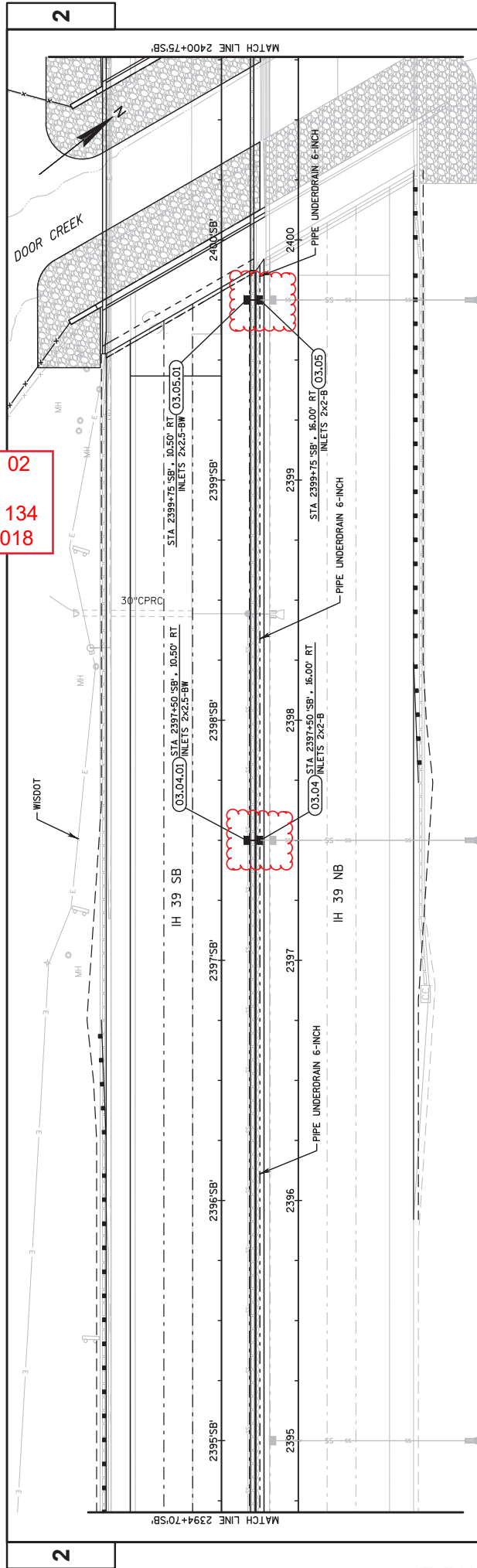
Addendum No. 02
ID 1007-11-80
Revised Sheet 46
November 1, 2018



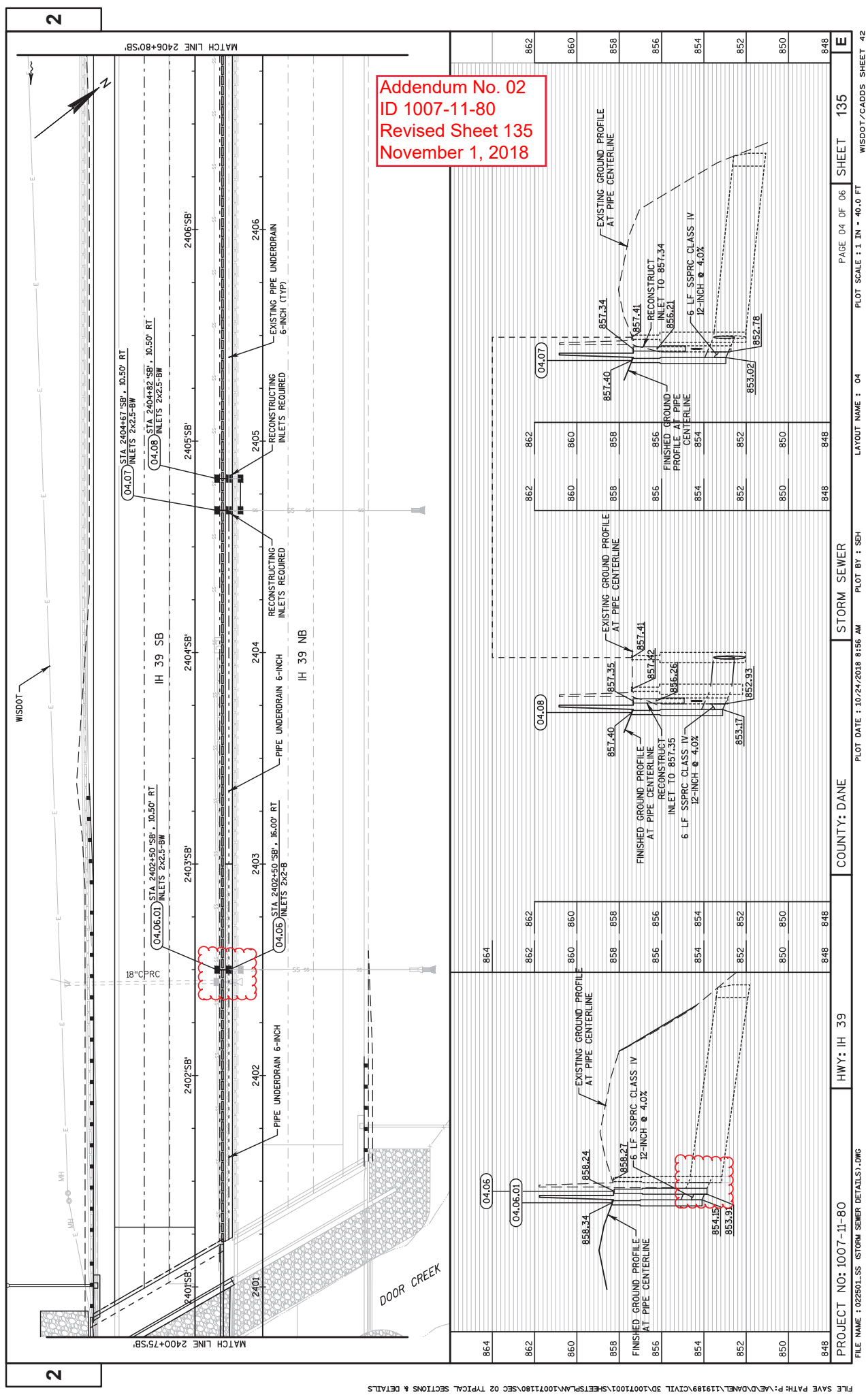
SAVE FOLDER PATH: P:\V\DOOR\119189\CIVIL\30\1007\1001\SHEETSP\AN\10071180\SEC 02 TYPICAL SECTIONS & DETAILS

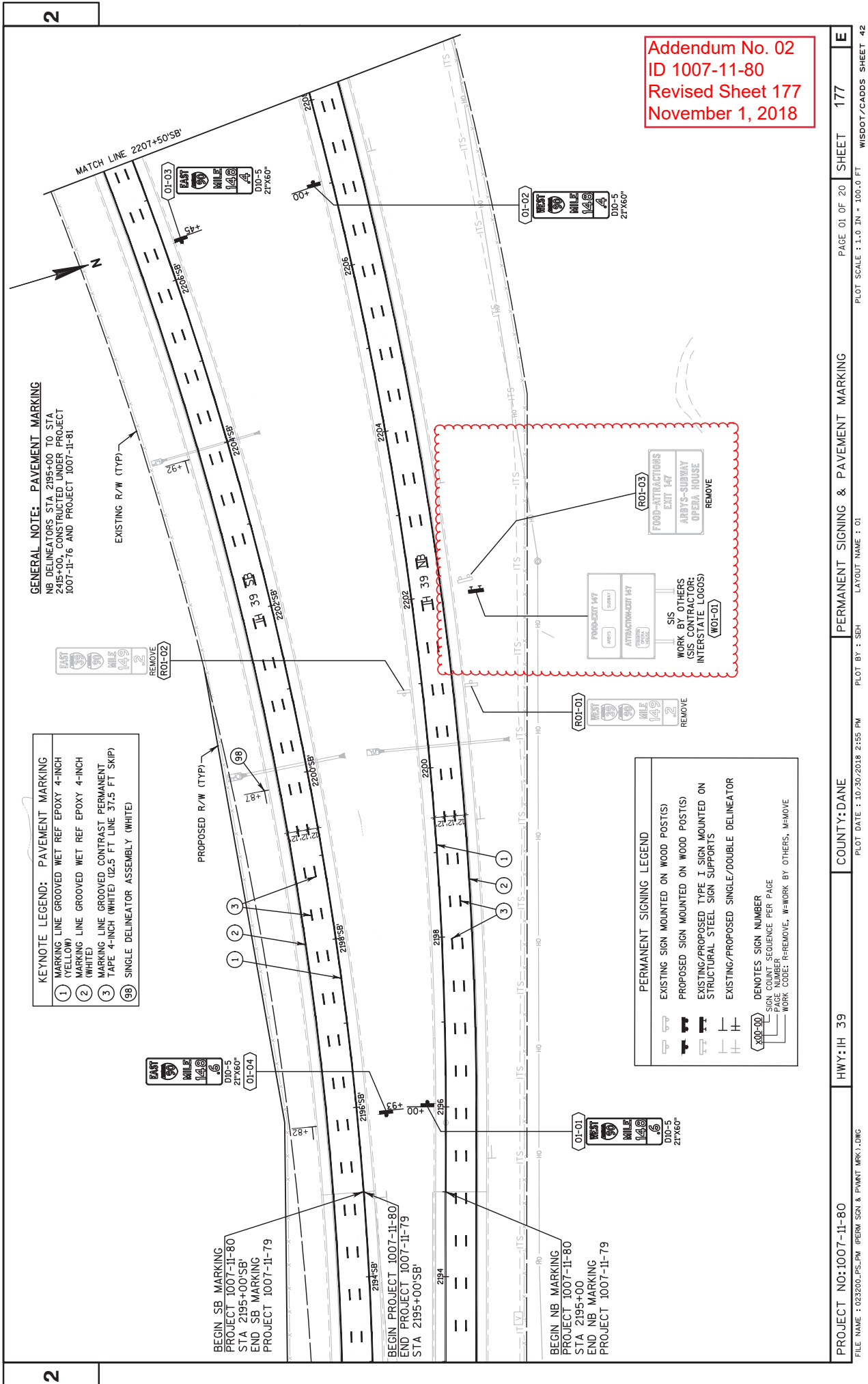


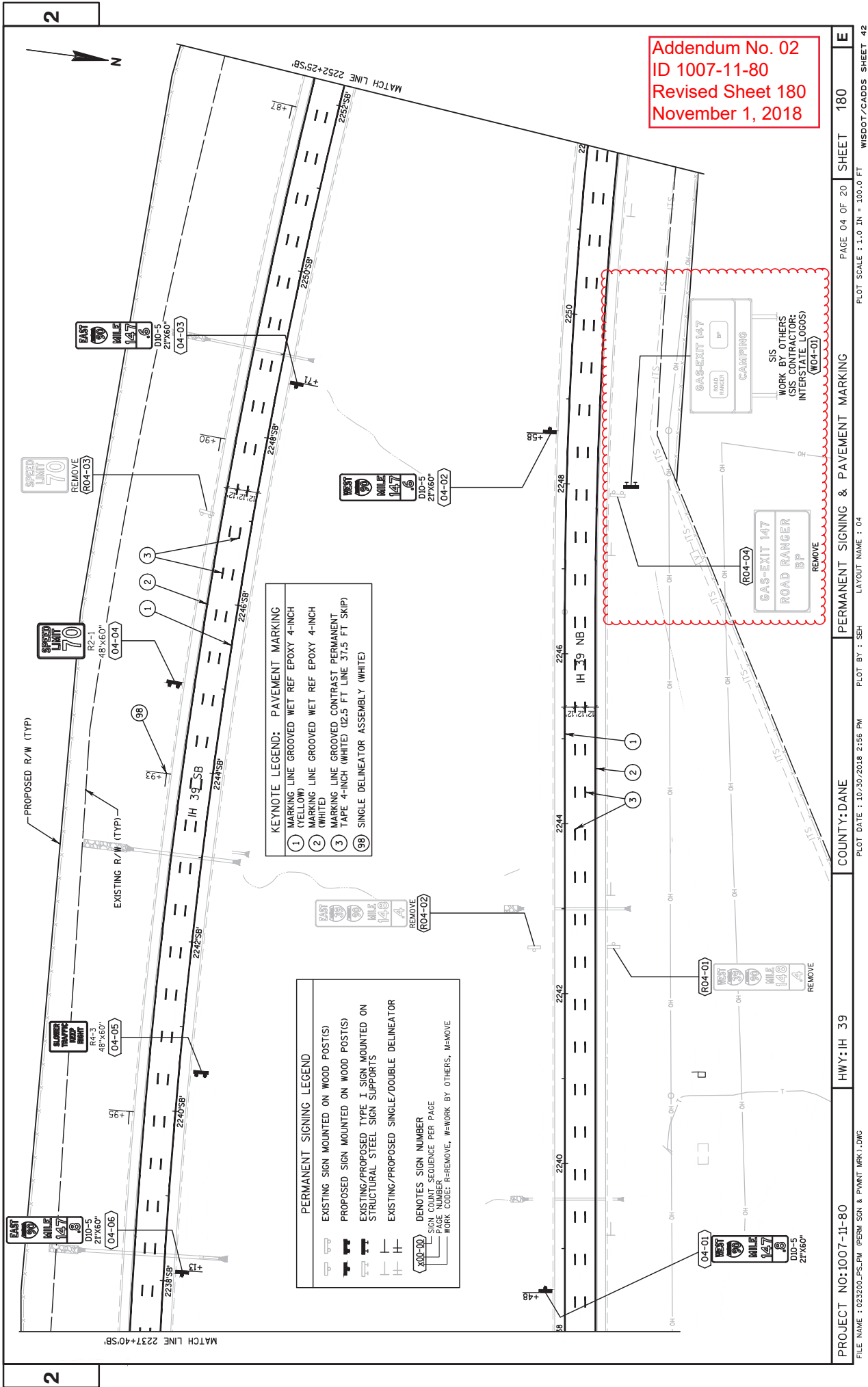
Addendum No. 02
ID 1007-11-80
Revised Sheet 134
November 1, 2018



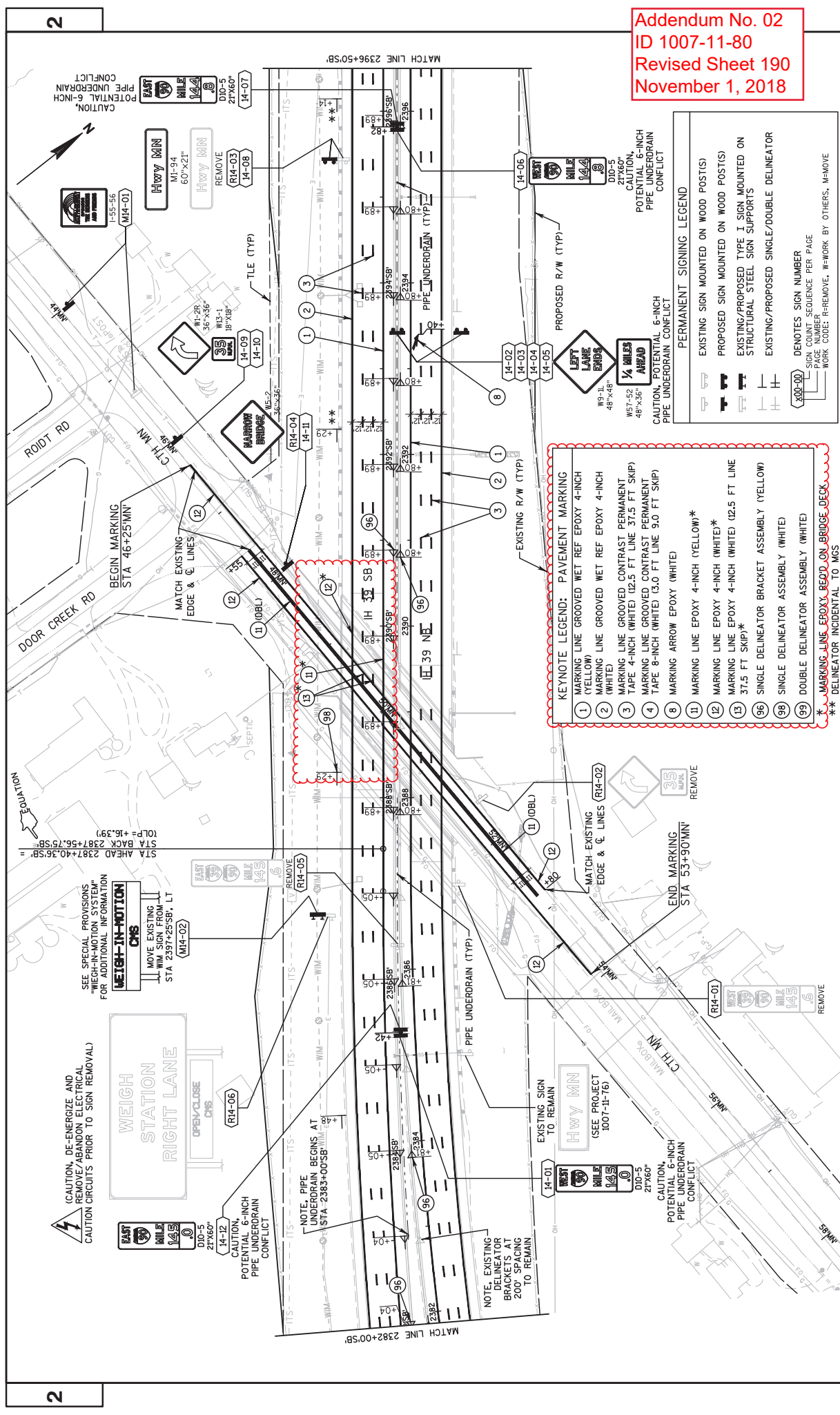
PROJECT NO: 1007-11-80	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 03 OF 06	E
FILE NAME : 022501_SS (STORM SEWER DETAILS).DWG			PLOT DATE : 10/24/2018 8:55 AM PLOT BY : SEH PLOT SCALE : 1 IN = 40.0 FT	LAYOUT NAME : 03	WISDOT/CADDs SHEET 42

[illegible][illegible]





Addendum No. 02
ID 1007-11-80
Revised Sheet 190
November 1, 2018



- KEYNOTE LEGEND: PAVEMENT MARKING**
- 1 MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
 - 2 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
 - 3 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
 - 4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
 - 8 MARKING ARROW EPOXY (WHITE)
 - 11 MARKING LINE EPOXY 4-INCH (YELLOW)*
 - 12 MARKING LINE EPOXY 4-INCH (WHITE)*
 - 13 MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)*
 - 96 SINGLE DELINEATOR BRACKET ASSEMBLY (YELLOW)
 - 99 SINGLE DELINEATOR ASSEMBLY (WHITE)
 - 99 DOUBLE DELINEATOR ASSEMBLY (WHITE)
- * MARKING LINE EPOXY RECD ON BRIDGE DECK
** DELINEATOR INCIDENTAL TO MGS

- PERMANENT SIGNING LEGEND**
- EXISTING SIGN MOUNTED ON WOOD POST(S)
 - PROPOSED SIGN MOUNTED ON WOOD POST(S)
 - EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
 - EXISTING/PROPOSED SINGLE/DOUBLE DELINEATOR
- 100-00 DENOTES SIGN NUMBER
PAGE NUMBER
SIGN COUNT SEQUENCE PER PAGE
WORK CODE: R-REMOVE, W=WORK BY OTHERS, M=MOVE

CLEARING AND GRUBBING

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	201.0105 CLEARING GRUBBING (STA)	201.0205 (STA)	*ACRE
1007-11-80	1000	2	2222+00 SB - 2223+00 SB	IH 39 SB RT	1	1	0.134
			2224+00 SB - 2224+00 SB	IH 39 SB LT	10	10	0.589
			2243+00 SB - 2255+00 SB	IH 39 SB LT	12	12	0.611
			2265+00 SB - 2267+00 SB	IH 39 SB LT	2	2	0.042
			2327+00 SB - 2328+00 SB	IH 39 SB LT	2	2	0.020
			2330+00 SB - 2334+00 SB	IH 39 SB LT	4	4	0.181
			2367+00 JD - 2372+00 JD	SB SWEF EXT RAMP LT	5	5	0.063
			2378+00 SB - 2380+00 SB	IH 39 SB LT	2	2	0.042
			2387+00 SB - 2389+00 SB	IH 39 SB LT	2	2	0.156
			2391+00 SB - 2396+00 SB	IH 39 SB LT	5	5	0.110
STAGE SUBTOTALS					45	45	1.978
PROJECT TOTALS					45	45	1.978

*FOR INFORMATIONAL PURPOSES ONLY

REMOVING PAVEMENT

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	204.0100 (SY)	REMARKS
1007-11-80	1000	2	2195+00 SB - 2264+00 SB	IH 39 SB	19948	TRAVEL LANES
			2329+83 SB - 2388+59 SB	IH 39 SB	17474	TRAVEL LANES
			2348+80 JC - 2360+56 JC	SWEF	2165	ENTRANCE RAMP
			2360+35 JD - 2370+54 JD	SWEF	2539	EXIT RAMP
			2365+05 SB	IH 39 SB MEDIAN	106	CONCRETE FLUME
			2365+32 JD	SWEF	83	CONCRETE FLUME
			2367+83 JD	IH 39 SB MEDIAN	12	CONCRETE FLUME
			2367+83 JD	SWEF	32	CONCRETE FLUME
			2369+35 SB - 2369+35 SB	IH 39 SB	2744	TRAVEL LANES
			2400+65 SB - 2417+50 SB	IH 39 SB	4568	TRAVEL LANES
STAGE SUBTOTALS					50008	
	3A		2416+00 SB - 2425+68 SB	IH 39 SB	1635	CROSSOVER X260
STAGE SUBTOTALS					1635	
PROJECT TOTALS					51641	

REMOVING ASPHALTIC SURFACE

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	204.0110 (SY)	REMARKS
1007-11-80	1000	3A	2195+00 - 2196+82	IH 39 NB	15	MEDIAN SHOULDER
			2244+80 - 2266+00	IH 39 NB	685	MEDIAN SHOULDER
			2323+00 - 2327+80	IH 39 NB	85	MEDIAN SHOULDER
			2355+47 - 2369+03	IH 39 NB	288	MEDIAN SHOULDER
STAGE SUBTOTALS					1072	
	3B		2227+24 - 2241+25	IH 39 NB	296	OUTSIDE SHOULDER
			2340+63 - 2355+63	IH 39 NB	317	OUTSIDE SHOULDER
			2352+13 - 2367+28	IH 39 NB	240	OUTSIDE SHOULDER
			2365+92 - 2400+27	IH 39 NB	199	OUTSIDE SHOULDER
STAGE SUBTOTALS					1053	
PROJECT TOTALS					2128	

PROJECT NO:1007-11-80

HWY: IH 39

COUNTY:DANE

FILE NAME : P:\NE\COMMON\119189\CTVIL 30\10071001\SHEETS\PLAN\0071180\SEC 03 MISCELLANEOUS QUANTITIES\030200.MQ.DWG

REMOVING SMALL PIPE CULVERTS

PROJECT NUMBER	CATEGORY	STAGE	STATION	OFFSET	DESCRIPTION	203.0100 (EACH)
1007-11-80	1000	-	2200+27 SB	-	30" X 106" CPSP	1
			2210+29 SB	-	36" X 113" CPCS	1
			2214+29 SB	-	30" X 114" CPSC	1
			2214+29 SB	-	60" X 115" CPSC	1
			2228+63 SB	-	48" X 117" CPCS	1
			2232+74 SB	-	24" X 152" CPSC	1
			2235+89 SB	-	24" X 186" CPSC	1
			2238+31 SB	-	30" X 185" CPSC	1
			2243+11 SB	-	30" X 186" CPSC	1
			2248+98 SB	-	24" X 185" CPSC	1
			2252+50 SB	-	30" X 162" CPSC	1
			2257+61 SB	-	18" X 62" CPSC	1
			2269+61 SB	-	18" X 107" CPSC	1
			2267+73 SB	-	48" X 261" CPSC	1
STAGE SUBTOTALS					14	
PROJECT TOTALS					14	

REMOVING GUARDRAIL

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	204.0165 (LF)
1007-11-80	1000	2	2214+08 - 2253+89	IH 39 SB, LT	3997
SUBTOTAL					3997
PROJECT TOTALS					3997

REMOVING FENCE

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	204.0170 (LF)
1007-11-80	1000	2	2388+81 SB - 2388+73 SB	LT	75
			2388+73 SB - 2388+73 SB	LT	119
			2388+73 SB - 2389+68 SB	LT	78
			2400+53 SB - 2400+73 SB	RT	78
			2386+15 - 2386+93		
STAGE SUBTOTALS					452
PROJECT TOTALS					452

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REMOVING CURB & GUTTER

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	204.0150 (LF)
1007-11-80	1000	2	2357+94 JC - 2369+44 JC	LT	250
STAGE SUBTOTALS					250
PROJECT TOTALS					250

MISCELLANEOUS QUANTITIES

PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : NYS

SHEET 267

E

WISDOT/CADDs SHEET 42

REMOVING INLETS

204.0220					(EACH)
CATEGORY	STAGE	STATION	OFFSET	DESCRIPTION	
1000	2	2365+31	105.89' LT	MEDIAN INLET	1
		2402+44	10.1' RT	4-BW INLET	1
		2403+45	9.0' RT	4-BW INLET	1
	STAGE SUBTOTAL				3
3	2385+00	21.3' LT	2x2-B INLET	1	
		2418+46SB	5.0' RT	MEDIAN INLET	1
		1271+73TNC	12.0' LT	MEDIAN INLET	1
	STAGE SUBTOTAL				3
PROJECT TOTAL					6

REMOVING STORM SEWER

PROJECT	204.0245.001 204.0245.002 204.0245.003 204.0245.004 204.0245.005 204.0245.006											
	NUMBER	CATEGORY	STAGE	STATION	OFFSET	12-INCH (LF)	15-INCH (LF)	18-INCH (LF)	30-INCH (LF)	36-INCH (LF)	48-INCH (LF)	REMARKS
	1007-11-80	1000	2	2365+13SB ¹	LT & RT	-	-	-	-	155	-	STEEL
				2365+40SB ¹	LT & RT	-	-	-	-	-	106	STEEL - SWEEP RAMP
				2387+46SB ¹	LT & RT	-	-	90	-	-	-	STEEL
				2388+44SB ¹	LT & RT	-	-	-	70	-	-	CONCRETE
				2402+44SB ¹	LT & RT	-	-	72	-	-	-	CONCRETE
				2408+44SB ¹	LT & RT	80	80	-	-	-	-	CONCRETE
	STAGE SUBTOTALS					80	80	162	70	155	106	
	3A			2385+00	LT	11	-	-	-	-	-	CONCRETE
				2418+46SB ¹	RT	-	-	38	10	-	-	CONCRETE
				1271+73TMC ¹	LT	-	-	38	-	-	-	CONCRETE
STAGE SUBTOTALS					11	0	76	10	0	0		
PROJECT TOTALS					91	80	238	80	155	106		

REMOVING TEMPORARY SHORING
LEFT IN PLACE BY OTHERS

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	204.9165 S.001 (SF)	COMMENTS
1007-11-80	1000	2	2329+73SB	-	2330+27'SB'	RT
			2329+73SB	-	2330+27'SB'	RT
STAGE SUBTOTALS					560	C-13-3089 STG 2
PROJECT TOTALS					560	

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FINISHING ITEMS

[illegible]

IH 39 SB MEDIAN

		STAGE SUBTOTALS			
38	2297-00 - 2294-05	46732	29.4	138	657
	2340-62 - 2355-62	3656	2.3	19	40
	2342-00 - 2357-00	3650	2.3	15	45
	2352-90 - 2403-00	2618	1.6	24	15
	2395-90 -	1886	1.2	11	19
STAGE SUBTOTALS		11821	7.4	70	120
UNDISTRIBUTED		45743	28	358	
PROJECT TOTALS		275,000	175	2,000	2,200

16.0' RT	856.21	857.34
----------	--------	--------

2409+75SB	16.0 RT	861.00	861.53	1	2x2-B INLET
PROJECT TOTALS				3	
<u>EROSION CONTROL MOBILIZATION</u>					
PROJECT NUMBER	CATEGORY	STAGE	LOCATION	(EACH)	628.1910 EMERGENCY MOBILIZATION EROSION CONTROL (EACH)
1007-1140	1000	2	IN 38 SB	8	2
		3	IN 38 SB	2	1
STAGE SUBTOTALS				10	3
UNDISTRIBUTED				2	1

	LS	12	4
1	1	1	1
2	1	1	1
3	1	1	1
4	1	1	1
5	1	1	1
6	1	1	1
7	1	1	1
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100	1	1	1

LS	12	4
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100	100	100

LLANEOS QUANTITIES

SHEET 273

WISDOT/CAPPS SHEET 42

REMOVING SIGNS									
PROJECT NUMBER	CATEGORY	SIGN #	SIGN MESSAGE	LOCATION	638.2801 REMOVING SMALL SIGN (EACH)	638.2802 REMOVING SIGNPOSTS (EACH)	638.3000 REMOVING SMALL SIGN (EACH)	638.3100 REMOVING STRUCTURAL STEEL SIGNPOSTS (EACH)	REMARKS
1007-11-80	1000	R01-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R01-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R01-03	FOOD/ATTRACTIONS EXIT 147	IH 39 NB	-	1	2	-	
		R02-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R02-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R02-03	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R03-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R03-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R03-03	HWY 51/ANESVILLE CHICAGO	IH 39 SB	1	-	-	2	
		R04-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R04-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R04-03	SPEED LIMIT 70 MPH	IH 39 SB	-	1	2	-	
		R04-04	ROAD RANGER BP	IH 39 NB	-	1	2	-	
		R05-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R05-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R05-03	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R05-04	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R05-05	REASSURANCE ASSEMBLY	IH 39 SB	-	1	2	-	
		R06-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R06-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R07-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R07-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R07-03	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R08-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R08-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R08-03	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R08-04	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R09-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R09-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R10-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R10-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R10-03	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R10-04	HOSPITAL EXIT 147	IH 39 SB	1	-	-	2	
		R10-05	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R10-06	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R11-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R11-02	STOUGHTON/COTTAGE GROVE 3/4 MILE	IH 39 SB	1	-	-	2	
		R12-01	SLOWER TRAFFIC KEEP RIGHT	IH 39 SB	-	1	1	-	
		R12-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R12-03	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R12-04	THRU TRAFFIC MERGE LEFT	IH 39 SB	-	1	2	-	
		R12-05	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R13-01	NO U TURN	IH 39 NB	-	1	1	-	
		R13-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R13-03	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R13-04	NO U TURN	IH 39 SB	-	1	1	-	
		R13-05	WEIGH STATION	IH 39 SB	1	-	-	2	
		R13-06	WRONG WAY	SB EXT RAMP	-	1	1	-	
		R13-07	WRONG WAY	SB EXT RAMP	-	1	1	-	
		R14-01	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R14-02	ROAD CURVES RIGHT 25 MPH	CTH MN	-	2	1	-	
		R14-03	NARROW BRIDGE	IH 39 SB	-	1	2	-	
		R14-04	ENHANCED REFERENCE MARKER	CTH MN	-	1	1	-	
		R14-05	ENHANCED REFERENCE MARKER	IH 39 SB	-	1	1	-	
		R15-01	ENHANCED REFERENCE MARKER	IH 39 SB	-	1	1	-	
		R15-02	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R15-03	TRUCKS OVER 5 TONS STOP AT WEIGH STA.	IH 39 SB	1	-	-	2	
		R15-04	ENHANCED REFERENCE MARKER	IH 39 NB	-	1	1	-	
		R15-05	WEIGH-IN-MOTION CMS	IH 39 SB	-	1	1	-	
		R15-06	ENHANCED REFERENCE MARKER	IH 39 SB	-	1	1	-	
		R16-01	WEIGH STATION 1 MILE	IH 39 SB	1	-	-	2	REMOVE SIGN ONLY
		R16-02	PREPASS FOLLOW IN-CAB SIGNALS	IH 39 SB	1	-	-	2	
		R17-01	14 HR TRUCK PARKING ALLOWED IN WEIGH S	IH 39 SB	1	-	-	2	
		R18-01	WEIGH STATION 2 MILE	IH 39 SB	-	1	1	-	
		R18-02	BUSINESS TRAILER LAW	SB EXT RAMP	-	1	2	-	
		R19-01	RIGHT LANE ENDS	SWEEF RAMP	-	1	1	-	
		R19-02	RIGHT LANE ENDS	SWEEF RAMP	-	1	1	-	
		R19-03	EXIT / PARKING WITH ARROWS	SWEEF RAMP	-	1	1	-	
		R19-04	NO PARKING ANY TIME	SWEEF RAMP	-	1	1	-	
		R19-05	NO PARKING ANY TIME	SWEEF RAMP	-	1	1	-	
		R19-06	STORY ANY TIME	SWEEF RAMP	-	1	1	-	
		R19-07	NO PARKING ANY TIME	SWEEF RAMP	-	1	1	-	
		R19-08	NO PARKING ANY TIME	SWEEF RAMP	-	1	1	-	
		R19-09	SPEED LIMIT 25	SWEEF RAMP	-	1	1	-	
		R19-10	SPEED LIMIT 25	SWEEF RAMP	-	1	1	-	
		R19-11	NO LEFT TURN	SWEEF RAMP	-	1	1	-	
		R19-12	YIELD	SWEEF RAMP	-	1	1	-	
		R19-13	DO NOT ENTER	SWEEF RAMP	-	1	1	-	
		R19-14	DO NOT ENTER	SWEEF RAMP	-	1	1	-	
		R19-15	SPEED LIMIT 25	SWEEF RAMP	-	1	1	-	

PIPE UNDERDRAIN

PROJECT NUMBER		CATEGORY	STAGE	STATION	LOCATION	BASE AGGREGATE OPEN/GRADED (TON)	612.0106 6-INCH (LF)	612.0906 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH (EACH)	*633.5200 MARKERS CULVERT END (EACH)	645.0111 GEOTEXTILE TYPE DF SCHEDULE A (SY)				
1007-11-80	1000	2			2383+00'SB' - 2389+05'SB'	29	522	-	-	174				
					2389+60'SB' - 2399+90'SB'	58	1030	-	-	343				
					2401+22'SB' - 2404+67'SB'	19	345	-	-	115				
					2358+53'JC	-	-	1	1	-				
					STAGE SUBTOTAL	107	1,897	1	1	632				
					PROJECT TOTALS	107	1,897	1	1	632				

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS

Delineator Items

PROJECT NUMBER		CATEGORY	STAGE	STATION	LOCATION	633.0100 DELINEATOR POSTS STEEL (EACH)	633.0500 DELINEATOR REFLECTORS (EACH)	633.1000 DELINEATOR BRACKETS (EACH)				
1007-11-80	1000	2			2195+00'SB' - 2270+00'SB'	27	38	-				
					2320+00'SB' - 2429+00'SB'	36	52	-				
					2348+81'JC' - 2354+90'JC'	8	8	-				
					2364+85'JD' - 2376+54'JD'	16	25	-				
STAGE SUBTOTALS						87	123	0				
3A					2267+69'SB' - 2269+19'SB'	2	4	-				
					2376+41'SB' - 2377+59'SB'	2	4	-				
					2373+00'SB' - 2400+00'SB'	-	-	36				
STAGE SUBTOTALS						4	8	36				
PROJECT TOTALS						91	131	36				

Fencing Items

PROJECT NUMBER		CATEGORY	STAGE	STATION	LOCATION	616.0100 FENCE WOVEN WIRE 4-FT (LF)
1007-11-80	1000				2388+73'SB' - 2389+22'SB'	85
					2390+91'SB' - 2391+31'SB'	40
					2388+73'SB' - 2389+66'SB'	70
					2400+55'SB' - 2400+73'SB'	78
PROJECT TOTALS						387

Addendum No. 02
ID 1007-11-80
Revised Sheet 275
November 1, 2018

Addendum No. 02
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November 1, 2018

PAVEMENT MARKING ITEMS

PAVEMENT MARKING ITEMS

[illegible]

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS

COUNTY: DANE


MISCELLANEOUS QUANTITIES

SHEET 278

FILE NAME : P:\A\END\ANDEL\119189\CIVIL 3D\10071001\SHEETSP\PLAN\10071180\SEC 03 MISCELLANEOUS QUANTITIES\030200_MQ.DWG

PLOT SCALE : NTS

WISDOT/CADDs SHEET 42

 WISCONSIN DEPARTMENT OF TRANSPORTATION	DATE 10/18	REVISION ADDED POLYMER OVERLAY	BY ABS
	NO. 101		

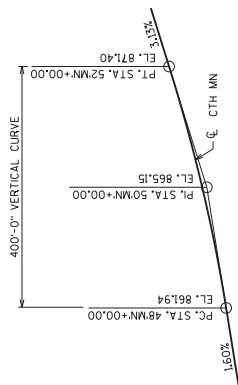
STRUCTURE B-13-722

PLANS **SAD**
 ABS'G'D. **SAD**

CROSS SECTION

SHEET 2

522



PROFILE GRADE LINE CTH MN

CROSS SECTION THRU ROADWAY LOOKING NORTH

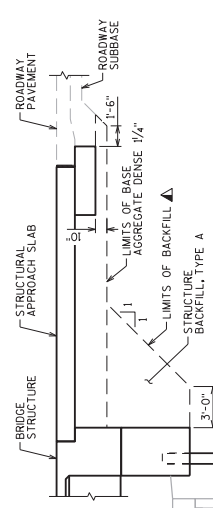
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	SOUTH APPROACH	SOUTH ABUT.	NORTH ABUT.	NORTH APPROACH	TOTALS
203.0200.703	REMOVING OLD STRUCTURE STA. 2389+58+00	LS	---	---	---	---	---	1
206.1000.703	EXCAVATION FOR STRUCTURES BRIDGES B-13-722	LS	---	---	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	---	---	391	---	---	766
305.0200	BASE AGGREGATE DENSE 1 1/4-INCH	TON	---	---	---	---	---	350
501.0000.S	ICE HOT WEATHER CONCRETING	LB	2,970	715	700	715	---	5,815
502.0100	CONCRETE MASONRY BRIDGES	CY	27	93	95	27	---	242
502.3200	PROTECTIVE SURFACE TREATMENT	SF	134	---	---	---	---	134
502.3210	PIGMENTED SURFACE SEALER	SF	13	20	---	---	---	153
503.0855	PRESTRESSED GRIER TYPE I 54W-INCH	LF	777	---	---	---	---	777
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	---	---	5,850	---	---	11,710
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	51,460	17,740	1,080	990	---	89,010
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,010	---	---	---	---	2,010
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	14	---	---	---	---	14
506.4000.703	STEEL DIAPHRAGMS B-13-722	EACH	12	---	---	---	---	12
506.5000.S	POLYMER OVERLAY	SF	756	23	---	---	---	756
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SF	---	---	22	---	---	45
550.0500	PILE POINTS	EACH	---	---	16	---	---	32
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	---	---	560	---	---	1,200
604.0400	SLOPE PAVING CONCRETE	SF	---	---	31	---	---	64
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	---	---	---	---	2
652.0225	CONDUIT RIGID METALLIC 2-INCH	LF	50	---	---	---	---	50
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	280	---	---	---	---	280
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	2	---	---	---	---	2
SPV.0035.700	HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES	CY	396	68	---	---	68	532
SPV.0855.700	LONGITUDINAL GROOVING BRIDGE DECK	SF	0	1,200	---	---	1,200	2,400
NON-BID ITEMS		SIZE	---	---	---	---	---	3/4" x 1/2"
FILLER		---	---	---	---	---	---	---

DRAWINGS SHALL NOT BE SCALED.
BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE
THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-13-722" SHALL BE THE EXISTING GROUND LINE.
AT THE BACKFILL OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE THE EXISTING GROUND LINE AND WHICH IS NOT COVERED BY THE EXISTING STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL. SEE DETAIL THIS SHEET.
ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE, PAVING NOTCH, AND APPROACH SLABS.
PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.
THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.
THE EXISTING STRUCTURE B-13-722 IS A 3 SPAN CONTINUOUS STEEL ORDER STRUCTURE WITH AN OVERALL WIDTH OF 43'-0" AND AN OVERALL LENGTH OF 176'-4" AND IS TO BE REMOVED PRIOR TO CONSTRUCTION OF B-13-722. CONSTRUCTION SHALL BE SUPPORTED ON HP10X42 STEEL PILING, PIERS SUPPORTED ON SPREAD FOOTINGS.
BEVEL ALL EXPOSED EDGES OF CONCRETE 3/4" UNLESS SHOWN OTHERWISE.
THE CONCRETE QUANTITIES FOR PARAPETS, SUPERSTRUCTURE DECK, APPROACH SLABS (EXCLUDING FOOTING), CONCRETE DIAPHRAGMS, AND HAUNCH OVER ORDERS MASONRY STRUCTURES.
JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 151, TYPE 1, 1/4" OR 1/2" OR A.A.S.H.T.O. DESIGNATION M 223. THE COST OF FURNISHING AND PLACING THE SIZE 2 COURSE AGGREGATE SHALL BE PAID FOR UNDER THE BID ITEM "SLOPE PAVING CONCRETE".
THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF B-13-722 WITH B-13-723, R-13-260 & R-13-261.
THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGES.
DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

10/30/18

ADDENDUM NO. 02
ID 1007-11-80
REVISED SHEET 523
NOVEMBER 1, 2018

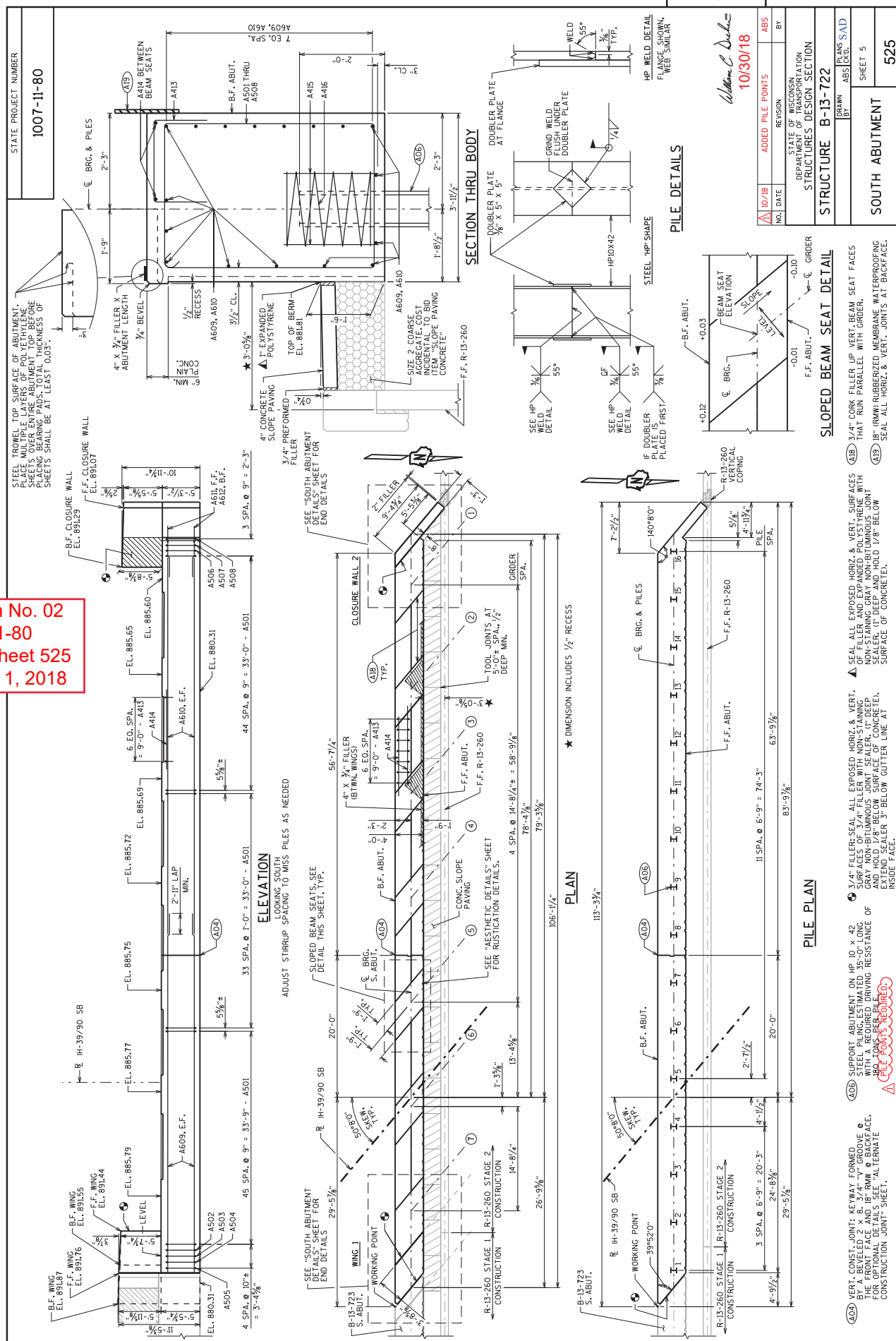


TYPICAL SECTION THRU ABUTMENT

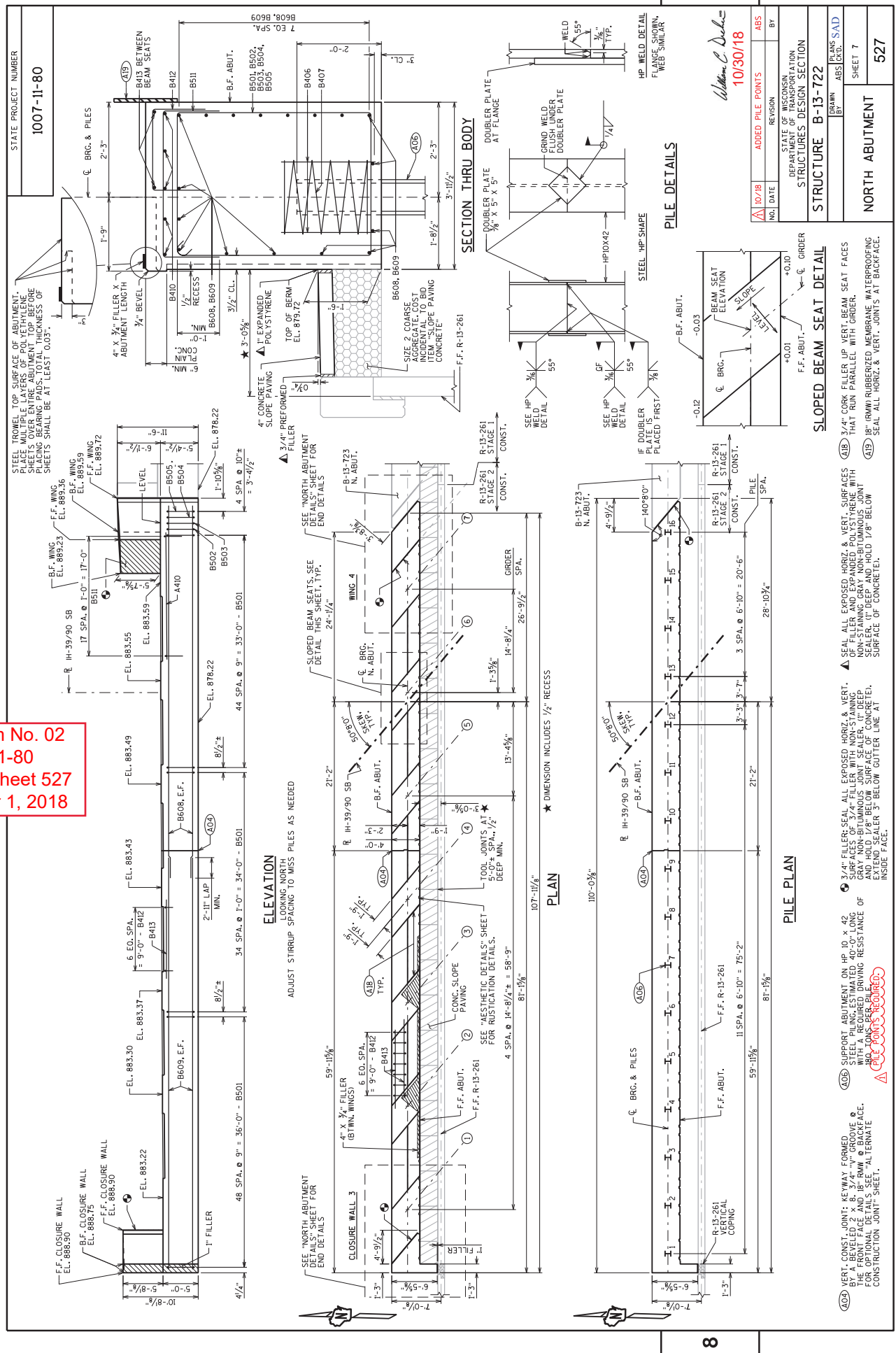
(A) ABUTMENT WITH STRUCTURAL APPROACH
BACKFILL PAY LIMITS BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

ADDENDUM NO. 02
ID 1007-11-80
REVISED SHEET 523
NOVEMBER 1, 2018

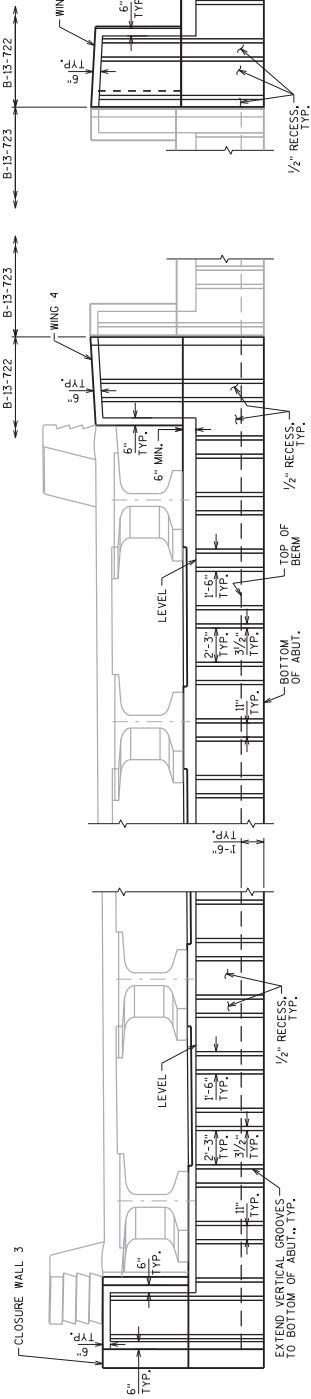
NO.	DATE	REVISION	BY
10/18		POLYMER OVERLAY & PILE POINTS	ABS
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-13-722			
DESIGNED BY: PLAN S-13-722			
DRAWN BY: ABS			
CHECKED BY: ABS			
SHEET 3			
QUANTITIES & GENERAL NOTES			
523			



Addendum No. 02
ID 1007-11-80
Revised Sheet 527
November 1, 2018



SCALE = 5.00



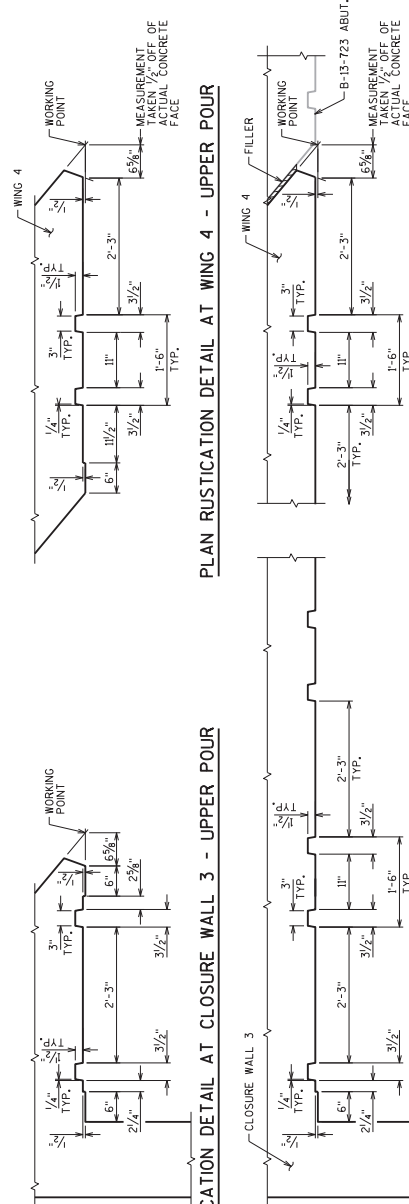
APPLY PIGMENTED SURFACE-SEALER TO FRONT FACE AND TOP OF PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

APPLY PROTECTIVE -
SURFACE TREATMENT
TO APPROACH SLABS.

ABUTMENT ELEVATION LOOKING AT F.F.

(NORTH ABUT. SHOWN, SOUTH ABUT. SIMILAR)

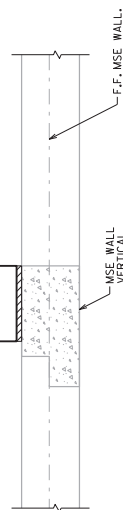
WING 1 ELEVATION LOOKING AT F.F.



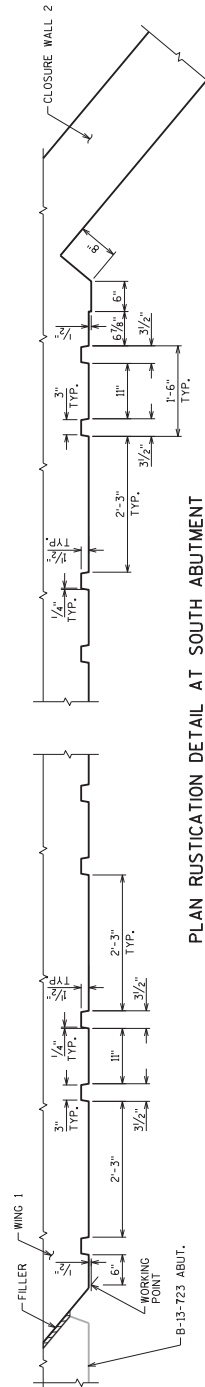
PLAN RUSTICATION DETAIL AT CLOSURE WALL 3 - UPPER POUR

PLAN RUSTICATION DETAIL AT WING 4 - UPPER POUR

PLAN RUSTICATION DETAIL AT NORTH ABUTMENT

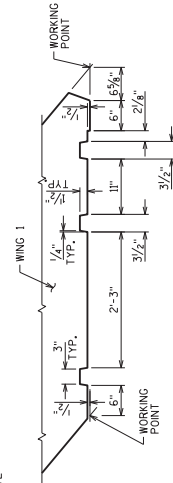



PLAN RUSTICATION DETAIL AT SOUTH ABUTMENT



88

PLAN RUSTICATION DETAIL AT WING 1 - UPPER POUR



	10/18	ADDED POLYMER OVERLAY	ABS
	NO. DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURES SECTION

STRUCTURE B-13-722		PLANS SAD
DRAWN BY		ABS (CND)

AESTHETIC DETAILS	SHEET 20
	540

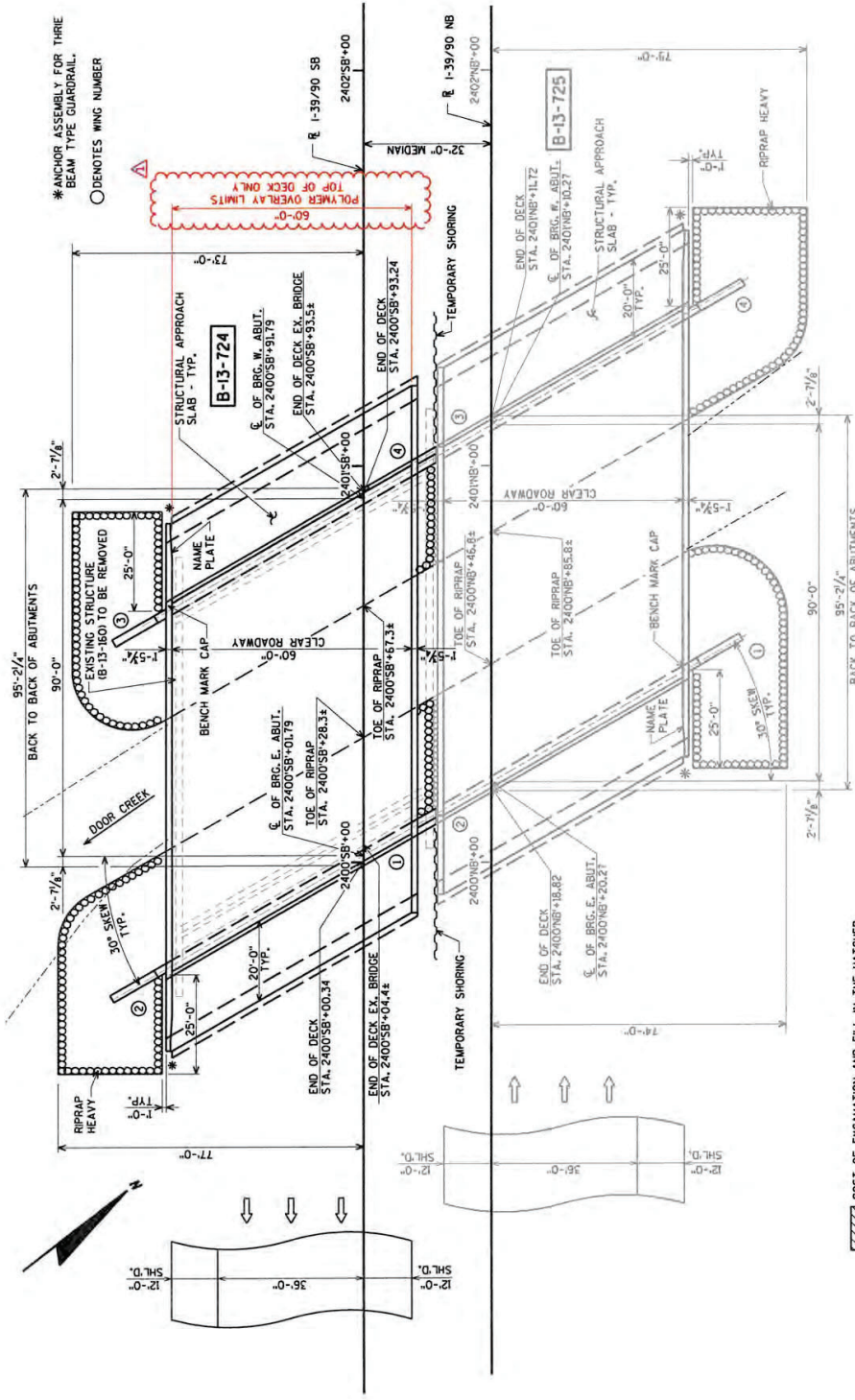
William C. Scheer
10/30/18

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTION, DESIGN DATA, & PROFILE GRADE LINE
3. QUANTITIES AND NOTES
4. SUBSURFACE EXPLORATION
5. EAST ABUTMENT
6. WEST ABUTMENT
7. WEST ABUTMENT DETAILS AND BILL OF BARS
8. ALTERNATE CONSTRUCTION JOINT
9. 36" PRESTRESSED GIRDER DETAILS
10. 36" PRESTRESSED GIRDER DETAILS
11. 36" PRESTRESSED GIRDER DETAILS
12. 36" PRESTRESSED GIRDER DETAILS
13. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
14. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
15. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
16. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
17. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
18. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
19. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
20. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
21. SINGLE SLOPE PARAPET 42SS
22. SINGLE SLOPE PARAPET 42SS

Addendum No. 02
ID 1007-11-80
Revised Sheet 542
November 1, 2018

FOR TYPICAL SECTION, DESIGN DATA, AND PROFILE GRADE LINE, SEE SHEET 2
FOR QUANTITIES AND GENERAL NOTES SEE SHEET 3



PLAN

SINGLE SPAN - 36'-INCH PRESTRESSED CONCRETE GIRDER BRIDGE

COST OF EXCAVATION AND FILL IN THE HATCHED AREAS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR "EXCAVATION FOR STRUCTURES BRIDGES B-13-724".

BACK TO BACK OF ABUTMENTS

BACK TO BACK OF ABUTMENTS

BACK TO BACK OF ABUTMENTS

BACK TO BACK OF ABUTMENTS

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BACK TO BACK OF ABUTMENTS

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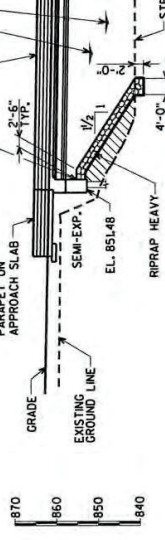
BACK TO BACK OF ABUTMENTS

BACK TO BACK OF ABUTMENTS

BACK TO BACK OF ABUTMENTS

BACK TO BACK OF ABUTMENTS

BACK TO BACK OF ABUTMENTS



ELEVATION

(NORMAL TO C OF DOOR CREEK)



BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608)-266-8489
CONSULTANT CONTACT:
CHRIS MCMAHON
(715)-834-3161

William C. McMahon
10/30/18

NO.	DATE	REVISION	BY
10/18		POLYMER OVERLAY ADDED	AYRES

ORIGINAL PLANS PREPARED BY AYRES ASSOCIATES 3433 Oakwood Hills Parkway Eau Claire, WI 54601 www.ayresassociates.com	DATE
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	DATE
ACCEPTED CHIEF STRUCTURES DESIGN ENGINEER	DATE
STRUCTURE B-13-724	
COUNTY DANE	
SECTION 1-39/90 SB OVER DOOR CREEK	
DESIGNED BY AEB CHECKED BY CJM DRAWN BY CLS PLANS CDD DESIGNED BY AEB CHECKED BY CJM DRAWN BY CLS PLANS CDD	
GENERAL PLAN	542
SHEET 1 OF 22	

DATE:

SPFNS

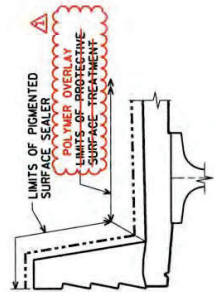
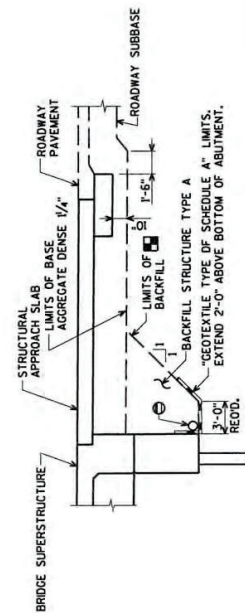
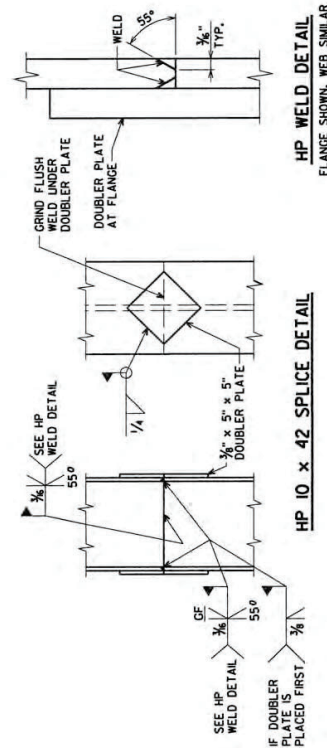
874 TF

STATE PROJECT NUMBER
1007-11-80

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	E, STR. APR. SLAB	E. ABUT.	W. ABUT.	W. STR. APR. SLAB	SUPER.	TOTAL
203.0600.\$	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 2400'SB+48.95	LS	-----	-----	-----	-----	-----	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-124	LS	-----	-----	-----	-----	-----	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-----	-----	-----	-----	-----	505
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	270	255	250	270	-----	540
501.1000.\$	ICE HOT WEATHER CONCRETING	LB	-----	-----	-----	-----	1,935	4,370
502.0100	CONCRETE MASONRY BRIDGES	SY	20	74	72	20	-----	288
502.3200	PROTECTIVE SURFACE TREATMENT	CY	134	-----	-----	134	3,669	3,669
502.3210	PLANTED SURFACE SEALER	SY	20	-----	-----	20	35	135
502.3217	PRESTRESSED CONCRETE TYPE 1 3/8-INCH	LF	-----	-----	-----	-----	819	819
505.0040	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-----	5,000	4,980	-----	-----	9,980
505.0050	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	15,170	670	680	15,170	39,520	71,220
505.0800.\$	BAR STEEL REINFORCEMENT HS STAINLESS BRIDGES	LB	1,070	-----	-----	1,070	-----	2,140
506.2605	BEARING PAIRS ELASTOMERIC NON-LAMINATED	EACH	-----	9	9	-----	16	18
506.4000	TEMPORARY CURB 45-4-12-12	EACH	-----	-----	-----	-----	-----	18
507.1100	TEMPORARY SURFING 6-17-24	SF	-----	265	265	-----	530	530
516.0500	PLUGGED MEMBRANE WATERPROOFING	SY	-----	18	19	-----	37	50
520.1100	STEEL SHEET PILE 10-INCH x 42 LB	LF	-----	1,260	1,260	-----	2,520	2,520
520.0200	STRIP PILING	CY	310	260	270	310	-----	570
514.0150	PIPE UNDERBRAIN WRAPPED 6-INCH	LF	-----	105	110	-----	215	215
545.0111	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	1	-----	-----	1	2	2
545.0125	GEOTEXTILE TYPE DF SCHEDULE A	SY	-----	80	80	-----	160	160
545.0126	GEOTEXTILE TYPE HR	SY	-----	550	465	-----	1,015	1,015
552.0125	CONDUIT RIGID METALLIC 2-INCH	LF	-----	-----	-----	-----	40	40
552.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	-----	-----	-----	-----	255	255
653.0222	CONCRETE BOXES 18X12X8-INCH	EACH	-----	-----	-----	-----	2	2
SPV.0035.700	HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES	CY	69	-----	-----	69	268	396
SPV.0065.700	LONGITUDINAL GROOVING BRIDGE DECK	SF	1,200	-----	-----	1,200	5,774	7,974
	NON-BID ITEMS	SIZE	-----	-----	-----	-----	-----	1/2" & 3/4"
	FILLER	SIZE	-----	-----	-----	-----	-----	-----

⊕ HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES SHALL INCLUDE ALL SUPERSTRUCTURE CONCRETE AND ALL STRUCTURAL APPROACH SLAB CONCRETE, EXCEPT THE STRUCTURAL APPROACH SLAB FOOTING CONCRETE.



PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER DETAILS

BACKFILL STRUCTURE LIMITS

BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCLUDED WITH EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON SHEET 2.

William C. Dreher SDR

10/30/18

\$PENS\$

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR
UNLESS SHOWN OR NOTED OTHERWISE.
THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST
TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.
JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF
A.A.S.T.O. DESIGNATION M 153, TYPE 1, II OR III OR

A.A.S.H.T.O. DESIGNATION M 213.

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMIT FOR EXCAVATION FOR STRUCTURES.

EXISTING BRIDGE B-13-160 IS A SINGLE-SPAN STEEL GIRDER BRIDGE WITH AN OVERALL LENGTH OF 89'-2" AND A CLEAR ROADWAY WIDTH OF 60'-2". THE EXISTING BRIDGE IS TO BE REMOVED BEFORE CONSTRUCTING B-13-724.

AT BACKFACE OF ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL

STRUCTURE TYPE
LAY PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER
IS TO BE APPLIED AS SHOWN IN DETAIL ON THIS SHEET.
ELASTOMERIC BEARING PADS NOT BE INDIVIDUALLY MOLDED
PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH
SHOWN ON THE PRESTRESSED ORDER DETAILS SHEET.
BEVEL EXPOSED EDGES OF CONCRETE $\frac{3}{4}$ " UNLESS OTHERWISE NOTED.

THE RUSTICATIONS AT THE BACK FACE OF THE PARAPET ARE INCLUDED IN THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO THE STRUCTURAL APPROACH SLAB.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

	10/18	POLYMER OVERLAY ADDED QUANTITIES CHANGED	AYRES
NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-724

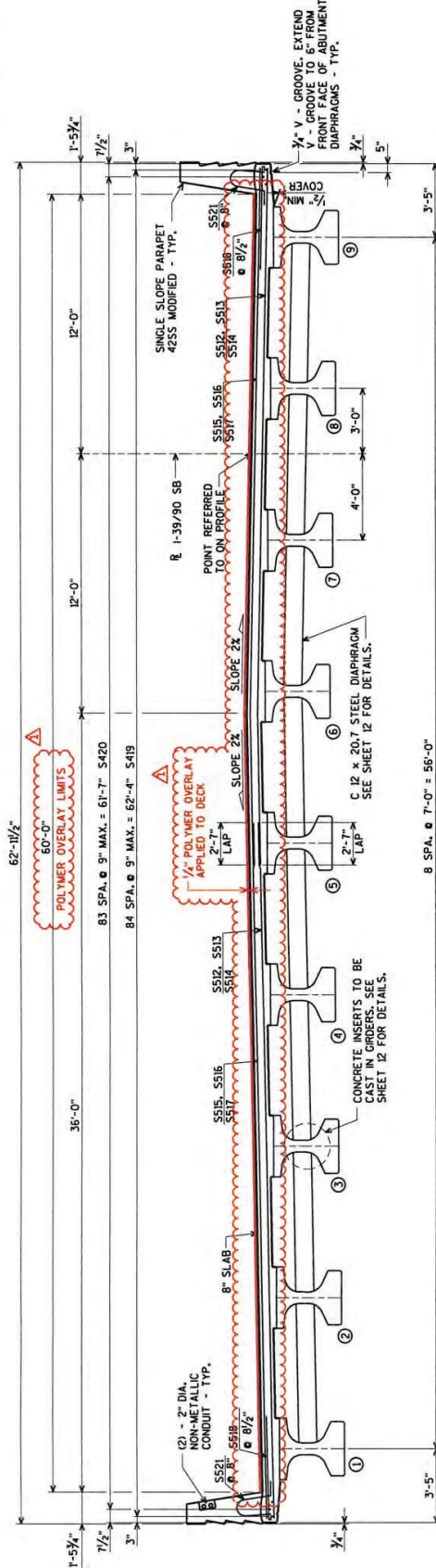
QUANTITIES
AND NOTES

AND NOTES

AYRES
ASSOCIATES
ORIGINAL PLANS PREPARED BY
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

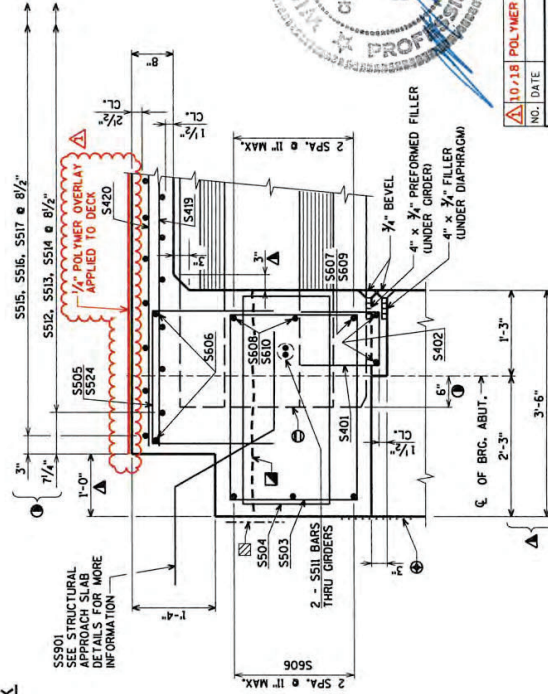
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ASSOCIATES



8 SPA, ϕ 7'-0" = 56'-0"
36W* PRESTRESSED CONCRETE ORDERS

CROSS SECTION THRU DECK (LOOKING WEST)



Addendum No. 02
ID 1007-11-80
Revised Sheet 554
November 1, 2018



NO.	DATE	REVISION	BY
10/18		POLYMER OVERLAY ADDED	AYRES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-724

CLAS
CLAS
CLAS

SHEET 13 OF 22

SUPERSTRUCTURE

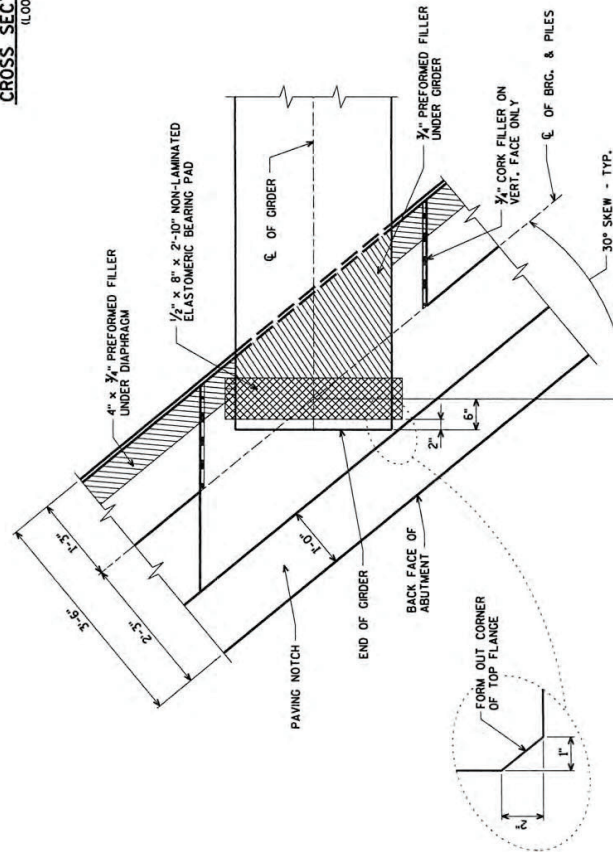
554

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54601
www.AyresAssociates.com

PART LONGITUDINAL SECTION

William C. Dehn
10/30/18

BEARING PAD DETAIL



STATE PROJECT NUMBER

1007-11-80

Addendum No. 02
ID 1007-11-80
Revised Sheet 555
November 1, 2018

William C. Decker
10/30/18

8

NO.	DATE	REVISION	BY
10/2/18		POLYMER OVERLAY ADDED	AYRES

STRUCTURE B-13-724

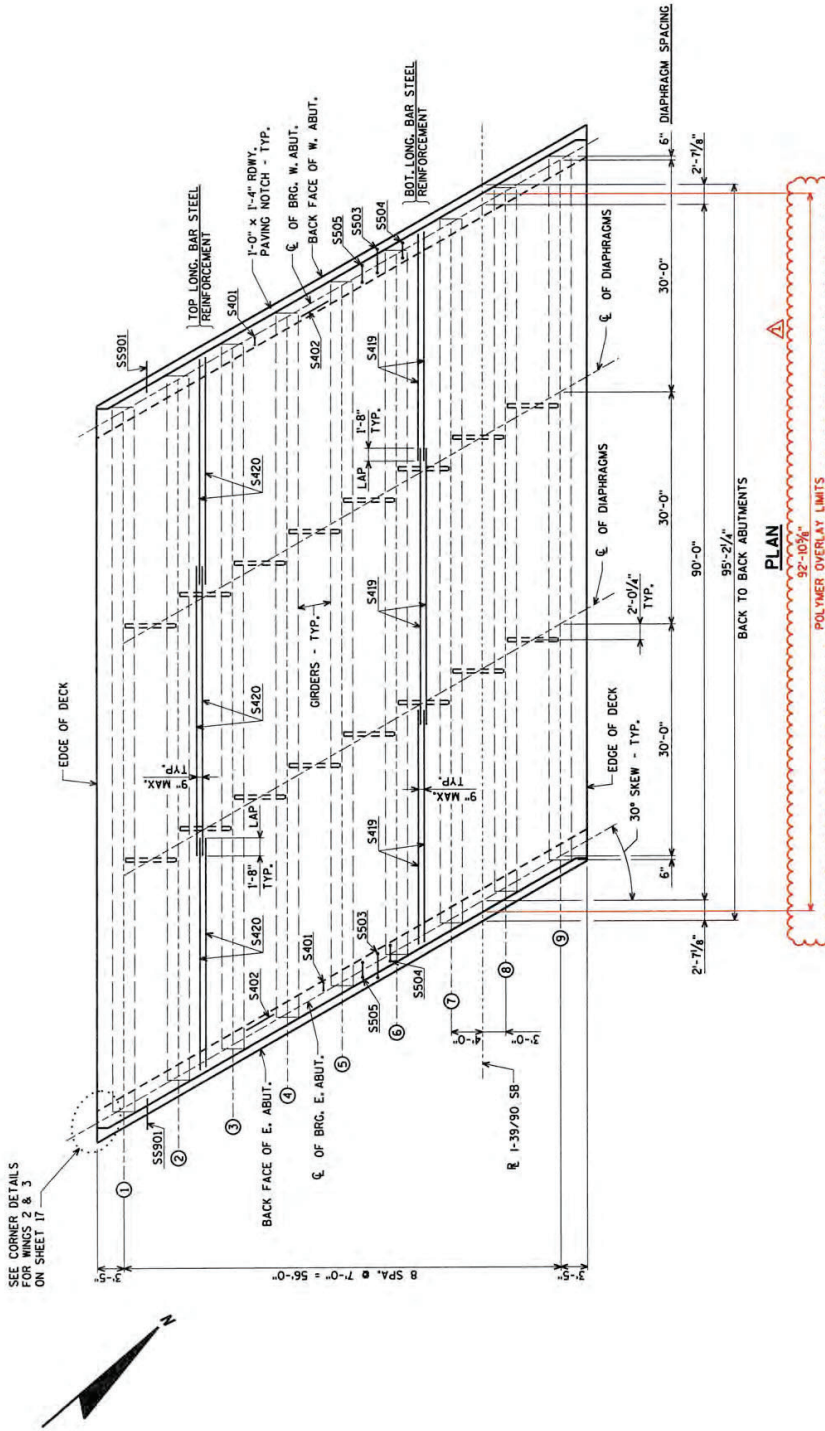
SUPERSTRUCTURE
PLAN

555

ORIGINAL PLANS PREPARED BY
3433 Oakwood Hills Parkway
Eau Claire, WI 54601
www.AyresAssociates.com

AYRES
ASSOCIATES

8/16/18



TOP OF DECK ELEVATIONS

LOCATION	E. OF BRG. E. ABUT.	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	E. OF BRG. W. ABUT.
SOUTH EDGE OF DECK	861.91	861.75	861.59	861.43	861.28	861.12	860.97	860.83	860.68	860.54	860.41
GIRDER 1	861.92	861.75	861.59	861.44	861.28	861.13	860.98	860.83	860.68	860.54	860.42
GIRDER 2	861.98	861.82	861.66	861.51	861.35	861.20	861.05	860.90	860.75	860.60	860.46
GIRDER 3	862.05	861.89	861.73	861.58	861.42	861.27	861.11	860.96	860.81	860.66	860.51
GIRDER 4	862.12	861.96	861.80	861.65	861.49	861.34	861.18	861.03	860.88	860.73	860.58
GIRDER 5	862.18	862.02	861.86	861.70	861.54	861.38	861.22	861.06	860.91	860.75	860.60
GIRDER 6	862.25	862.09	861.93	861.77	861.61	861.45	861.29	861.13	860.97	860.81	860.65
GIRDER 7	862.32	862.16	862.00	861.84	861.68	861.52	861.36	861.20	861.04	860.88	860.72
E 1-39/90 SB	861.99	861.73	861.58	861.43	861.28	861.13	860.98	860.83	860.68	860.53	860.47
GIRDER 8	861.79	861.64	861.49	861.34	861.19	861.04	860.89	860.74	860.59	860.44	860.39
GIRDER 9	861.58	861.43	861.28	861.13	860.98	860.83	860.68	860.53	860.38	860.23	860.19
NORTH EDGE OF DECK	861.51	861.36	861.21	861.06	860.92	860.78	860.64	860.51	860.38	860.25	860.12



Proposal Schedule of Items

Page 1 of 29

Proposal ID: 20181113001 Project(s): 1007-11-79, 1007-11-80

Federal ID(s): WISC 2018433, WISC 2018434

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	201.0105 Clearing	128.000 STA	_____.	_____.
0004	201.0205 Grubbing	128.000 STA	_____.	_____.
0006	203.0100 Removing Small Pipe Culverts	39.000 EACH	_____.	_____.
0008	203.0200 Removing Old Structure (station) 700. 1991'SB'+07.50	LS	LUMP SUM	_____.
0010	203.0200 Removing Old Structure (station) 701. 2051'SB'+94.17	LS	LUMP SUM	_____.
0012	203.0200 Removing Old Structure (station) 702. 2118'SB'92	LS	LUMP SUM	_____.
0014	203.0200 Removing Old Structure (station) 703. 2389'SB'+00	LS	LUMP SUM	_____.
0016	203.0200 Removing Old Structure (station) 800. 2123+80	LS	LUMP SUM	_____.
0018	203.0200 Removing Old Structure (station) 801. 2189+50	LS	LUMP SUM	_____.
0020	203.0200 Removing Old Structure (station) 802. 2330+00	LS	LUMP SUM	_____.
0022	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 704. 2400'SB'+48.95	LS	LUMP SUM	_____.
0024	204.0100 Removing Pavement	123,447.000 SY	_____.	_____.
0026	204.0110 Removing Asphaltic Surface	9,076.000 SY	_____.	_____.
0028	204.0150 Removing Curb & Gutter	250.000 LF	_____.	_____.



Proposal Schedule of Items

Page 2 of 29

Proposal ID: 20181113001 Project(s): 1007-11-79, 1007-11-80

Federal ID(s): WISC 2018433, WISC 2018434

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0030	204.0157 Removing Concrete Barrier	538.000 LF	_____.	_____.
0032	204.0165 Removing Guardrail	4,803.000 LF	_____.	_____.
0034	204.0170 Removing Fence	1,435.000 LF	_____.	_____.
0036	204.0195 Removing Concrete Bases	16.000 EACH	_____.	_____.
0038	204.0210 Removing Manholes	4.000 EACH	_____.	_____.
0040	204.0220 Removing Inlets	13.000 EACH	_____.	_____.
0042	204.0245 Removing Storm Sewer (size) 001. 12-Inch	91.000 LF	_____.	_____.
0044	204.0245 Removing Storm Sewer (size) 002. 15-Inch	80.000 LF	_____.	_____.
0046	204.0245 Removing Storm Sewer (size) 003. 18-Inch	1,365.000 LF	_____.	_____.
0048	204.0245 Removing Storm Sewer (size) 004. 30-Inch	349.000 LF	_____.	_____.
0050	204.0245 Removing Storm Sewer (size) 005. 36-Inch	155.000 LF	_____.	_____.
0052	204.0245 Removing Storm Sewer (size) 006. 48-Inch	106.000 LF	_____.	_____.
0054	204.0270 Abandoning Culvert Pipes	2.000 EACH	_____.	_____.
0056	204.9060.S Removing (item description) 001. Crash Cushions	34.000 EACH	_____.	_____.
0058	204.9060.S Removing (item description) 002. Gate	3.000 EACH	_____.	_____.



Proposal Schedule of Items

Page 3 of 29

Proposal ID: 20181113001 Project(s): 1007-11-79, 1007-11-80

Federal ID(s): WISC 2018433, WISC 2018434

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	204.9090.S Removing (item description) 001. Cables	2,387.000 LF	_____.	_____.
0062	204.9165.S Removing (item description) 001. Temporary Shoring Left In Place By Others	3,510.000 SF	_____.	_____.
0064	205.0100 Excavation Common	526,978.000 CY	_____.	_____.
0066	205.0200 Excavation Rock	109,340.000 CY	_____.	_____.
0068	205.0400 Excavation Marsh	3,238.000 CY	_____.	_____.
0070	206.1000 Excavation for Structures Bridges (structure) 700. B-13-712	LS	LUMP SUM	_____.
0072	206.1000 Excavation for Structures Bridges (structure) 701. B-13-714	LS	LUMP SUM	_____.
0074	206.1000 Excavation for Structures Bridges (structure) 702. B-13-716	LS	LUMP SUM	_____.
0076	206.1000 Excavation for Structures Bridges (structure) 703. B-13-722	LS	LUMP SUM	_____.
0078	206.1000 Excavation for Structures Bridges (structure) 704. B-13-724	LS	LUMP SUM	_____.
0080	206.2000 Excavation for Structures Culverts (structure) 800. C-13-3083	LS	LUMP SUM	_____.
0082	206.2000 Excavation for Structures Culverts (structure) 801. C-13-3084	LS	LUMP SUM	_____.
0084	206.2000 Excavation for Structures Culverts (structure) 802. C-13-3089	LS	LUMP SUM	_____.
0086	206.5000 Cofferdams (structure) 800. C-13-3083	LS	LUMP SUM	_____.



Proposal Schedule of Items

Page 6 of 29

Proposal ID: 20181113001 Project(s): 1007-11-79, 1007-11-80

Federal ID(s): WISC 2018433, WISC 2018434

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0154	465.0400 Asphaltic Shoulder Rumble Strips	840.000 LF	_____.	_____.
0156	501.1000.S Ice Hot Weather Concreting	32,595.000 LB	_____.	_____.
0158	502.0100 Concrete Masonry Bridges **P**	1,603.000 CY	_____.	_____.
0160	502.3100 Expansion Device (structure) 702. B-13-716	LS	LUMP SUM	_____.
0162	502.3200 Protective Surface Treatment **P**	2,606.000 SY	_____.	_____.
0164	502.3210 Pigmented Surface Sealer	801.000 SY	_____.	_____.
0166	502.4205 Adhesive Anchors No. 5 Bar	220.000 EACH	_____.	_____.
0168	503.0137 Prestressed Girder Type I 36W-Inch **P**	819.000 LF	_____.	_____.
0170	503.0155 Prestressed Girder Type I 54W-Inch **P**	777.000 LF	_____.	_____.
0172	503.0172 Prestressed Girder Type I 72W-Inch **P**	4,641.000 LF	_____.	_____.
0174	504.0100 Concrete Masonry Culverts **P**	666.000 CY	_____.	_____.
0176	504.0900 Concrete Masonry Endwalls **P**	20.000 CY	_____.	_____.
0178	505.0400 Bar Steel Reinforcement HS Structures **P**	143,650.000 LB	_____.	_____.
0180	505.0600 Bar Steel Reinforcement HS Coated Structures **P**	485,170.000 LB	_____.	_____.
0182	505.0800.S Bar Steel Reinforcement HS Stainless Structures **P**	10,630.000 LB	_____.	_____.



Proposal Schedule of Items

Page 8 of 29

Proposal ID: 20181113001 Project(s): 1007-11-79, 1007-11-80

Federal ID(s): WISC 2018433, WISC 2018434

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	511.1200 Temporary Shoring (structure) 850. R-13-260	960.000 SF	_____.	_____.
0212	511.1200 Temporary Shoring (structure) 851. R-13-261	740.000 SF	_____.	_____.
0214	513.2001 Railing Pipe 850. R-13-260	104.000 LF	_____.	_____.
0216	513.2001 Railing Pipe 851. R-13-261	111.000 LF	_____.	_____.
0218	516.0500 Rubberized Membrane Waterproofing	324.000 SY	_____.	_____.
0220	520.1024 Apron Endwalls for Culvert Pipe 24-Inch	6.000 EACH	_____.	_____.
0222	520.2024 Culvert Pipe Temporary 24-Inch	60.000 LF	_____.	_____.
0224	520.8000 Concrete Collars for Pipe	24.000 EACH	_____.	_____.
0226	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch	6.000 EACH	_____.	_____.
0228	521.1618 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 10 to 1	2.000 EACH	_____.	_____.
0230	522.0118 Culvert Pipe Reinforced Concrete Class III 18-Inch	166.000 LF	_____.	_____.
0232	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	258.000 LF	_____.	_____.
0234	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch	294.000 LF	_____.	_____.
0236	522.0136 Culvert Pipe Reinforced Concrete Class III 36-Inch	430.000 LF	_____.	_____.



Proposal Schedule of Items

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SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0318	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	42.000 LF	_____.	_____.
0320	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	185.000 LF	_____.	_____.
0322	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	8.000 LF	_____.	_____.
0324	611.0430 Reconstructing Inlets	6.000 EACH	_____.	_____.
0326	611.0606 Inlet Covers Type B	4.000 EACH	_____.	_____.
0328	611.0610 Inlet Covers Type BW	9.000 EACH	_____.	_____.
0330	611.0642 Inlet Covers Type MS	10.000 EACH	_____.	_____.
0332	611.0654 Inlet Covers Type V	6.000 EACH	_____.	_____.
0334	611.3220 Inlets 2x2-FT	10.000 EACH	_____.	_____.
0336	611.3225 Inlets 2x2.5-FT	9.000 EACH	_____.	_____.
0338	611.3901 Inlets Median 1 Grate	2.000 EACH	_____.	_____.
0340	611.3902 Inlets Median 2 Grate	4.000 EACH	_____.	_____.
0342	612.0106 Pipe Underdrain 6-Inch	1,897.000 LF	_____.	_____.
0344	612.0212 Pipe Underdrain Unperforated 12-Inch	335.000 LF	_____.	_____.
0346	612.0406 Pipe Underdrain Wrapped 6-Inch	1,665.000 LF	_____.	_____.
0348	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	1.000 EACH	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0542	637.2210 Signs Type II Reflective H	2,190.000 SF	_____.	_____.
0544	637.2230 Signs Type II Reflective F	142.250 SF	_____.	_____.
0546	638.2101 Moving Signs Type I	2.000 EACH	_____.	_____.
0548	638.2102 Moving Signs Type II	56.000 EACH	_____.	_____.
0550	638.2601 Removing Signs Type I	11.000 EACH	_____.	_____.
0552	638.2602 Removing Signs Type II	131.000 EACH	_____.	_____.
0554	638.3000 Removing Small Sign Supports	140.000 EACH	_____.	_____.
0556	638.3100 Removing Structural Steel Sign Supports	20.000 EACH	_____.	_____.
0558	638.3150 Removing Overhead Sign Supports Cantilever (structure) 951. S-13-252	1.000 EACH	_____.	_____.
0560	638.3155 Removing Overhead Sign Supports Full Span (structure) 950. S-13-289	1.000 EACH	_____.	_____.
0562	638.4100 Moving Structural Steel Sign Supports	4.000 EACH	_____.	_____.
0564	641.8100 Overhead Sign Support (structure) 950. S-13-502	LS	LUMP SUM	_____.
0566	641.8100 Overhead Sign Support (structure) 951. S-13-501	LS	LUMP SUM	_____.
0568	643.0300 Traffic Control Drums	112,387.000 DAY	_____.	_____.
0570	643.0420 Traffic Control Barricades Type III	18,000.000 DAY	_____.	_____.
0572	643.0705 Traffic Control Warning Lights Type A	22,000.000 DAY	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0574	643.0715 Traffic Control Warning Lights Type C	10,350.000 DAY	_____.	_____.
0576	643.0800 Traffic Control Arrow Boards	157.000 DAY	_____.	_____.
0578	643.0900 Traffic Control Signs	76,782.000 DAY	_____.	_____.
0580	643.0920 Traffic Control Covering Signs Type II	16.000 EACH	_____.	_____.
0582	643.1000 Traffic Control Signs Fixed Message	350.250 SF	_____.	_____.
0584	643.1050 Traffic Control Signs PCMS	800.000 DAY	_____.	_____.
0586	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0588	645.0105 Geotextile Type C	981.000 SY	_____.	_____.
0590	645.0111 Geotextile Type DF Schedule A	1,416.000 SY	_____.	_____.
0592	645.0120 Geotextile Type HR	5,002.000 SY	_____.	_____.
0594	645.0130 Geotextile Type R	9.000 SY	_____.	_____.
0596	645.0140 Geotextile Type SAS	31.000 SY	_____.	_____.
0598	645.0220 Geogrid Type SR	18,000.000 SY	_____.	_____.
0600	646.1020 Marking Line Epoxy 4-Inch	34,050.000 LF	_____.	_____.
0602	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	275,148.000 LF	_____.	_____.
0604	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	68,840.000 LF	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0808	SPV.0105 Special 402. Weigh-In-Motion System Warranty Maintenance	LS	LUMP SUM	_____.
0810	SPV.0105 Special 403. Static Scale System	LS	LUMP SUM	_____.
0812	SPV.0105 Special 404. Static Scale System Warranty Maintenance	LS	LUMP SUM	_____.
0814	SPV.0165 Special 700. Longitudinal Grooving Bridge Deck **P**	21,755.000 SF	_____.	_____.
0816	SPV.0165 Special 850. Wall Concrete Panel Mechanically Stabilized Earth R-13-260 **P**	2,535.000 SF	_____.	_____.
0818	SPV.0165 Special 851. Wall Concrete Panel Mechanically Stabilized Earth R-13-261 **P**	3,385.000 SF	_____.	_____.
0820	305.0500 Shaping Shoulders	812.000 STA	_____.	_____.
0822	509.5100.S Polymer Overlay	3,496.000 SY	_____.	_____.
0824	550.0500 Pile Points	112.000 EACH	_____.	_____.
0826	625.0100 Topsoil	10,560.000 SY	_____.	_____.
0828	SPV.0180 Special 513. Weed Barrier Fabric	31,366.000 SY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

