



# Wisconsin Department of Transportation

March 3, 2015

**Division of Transportation Systems Development**

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

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

**NOTICE TO ALL CONTRACTORS:**

**Proposal #23: 1133-10-75, WISC 2015 135**  
**DePere - Suamico**  
**Memorial Drive - CTH M**  
**Velp Ave / USH 141 Intchg**  
**USH 41**  
**Brown County**

**1133-10-77, WISC 2015 136**  
**DePere - Suamico**  
**Memorial Drive - CTH M**  
**Memorial Dr-Duck Crk SB/IH43**  
**Intchg**  
**USH 41**  
**Brown County**

**Letting of Letting Date**

This is Addendum No. 2, which provides for the following:

**Special Provisions**

Revised Special Provisions	
Article No.	Description
2.1	Prosecution and Progress
4.1	Alternative Dispute Resolution

Added Special Provisions	
Article No.	Description
16.10	Storm Drain Inlet Marking, Item SPV.0165.251
19.6	Gates Pipe Double Leaf, 18 FT., Item SPV.0060.013

Deleted Special Provisions	
Article No.	Description
19.3	Gates Pipe Single Leaf, 18 Ft., Item 616.0360.S.001

**Schedule of Items**

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0100	Removing Pavement	SY	77,280	82,300	99,650
204.0245	Removing Storm Sewer (size) 003. 18-Inch	LF	2,340	2,130	2,259
205.0100	Excavation Common	CY	168,550	165,344	193,044

205.0400	Excavation Marsh	CY	233,067	228,500	228,500
SPV.0035.001	Drainage Blanket	CY	26,789	24,961	24,961
SPV.0035.002	Roadway Embankment	CY	511,045	505,110	519,410
SPV.0090.012	Strip Drains	LF	359,285	321,096	321,096

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
659.1115	Luminaires Utility LED A	EA	0	40	40
659.1125	Luminaires Utility LED C	EA	0	84	84
659.1130	Luminaires Utility LED D	EA	0	97	97
SPV.0060.013	Gates Pipe Double Leaf 18-FT	EA	0	5	5
SPV.0165.251	Storm Drain Inlet Marking	SF	0	385	385

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
616.0360.S	Gates Pipe Single Leaf (length) 001. 18-Ft	EA	5	0	0
659.0115	Luminaires Utility HPS 150 Watts	EA	40	0	0
659.0125	Luminaires Utility HPS 250 Watts	EA	87	0	0
659.0135	Luminaires Utility HPS 400 Watts	EA	94	0	0

## Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
2	General Notes (Update utility contact)
52	Construction Details (Added inlet marking detail)
142	Paving Details (Corrected label)
189	Soil Mitigation Overview (Strip drains removed from plan, installed in previous project)
191	Strip Drain Details (Updated station range)
195	Plan Details: Strip Drains (Strip drains removed from plan, installed in previous project)
200	Plan Details: Strip Drain/Settlement Map (Strip drains removed from plan, installed in previous project)
515	Lighting Plan Legend (Replaced label defining lamp wattage with "LED Type" and specified LED conversions to occur)
552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582	Lighting Plans (Replace all HPS luminaires with appropriate LED type specified by the provided Luminaire Conversions)
697	Traffic Control Typical Sections – Stage 3 (Updated typicals and added a new one due to staging change along NIH/SIH)
760 - 762	Fencing Plan (Updated gate type)
846	Miscellaneous Quantities (Updated quantities table due to staging change along NIH/SIH)
848	Miscellaneous Quantities (Updated quantities table due to staging change along NIH/SIH)
849	Miscellaneous Quantities (Updated quantities table due to strip drain removal from plan)
869	Miscellaneous Quantities (Deleted bid item 616.0360.S; added bid item SPV.0060.013)
894	Miscellaneous Quantities (Added new bid item SPV.0165.251)

918, 919, 920, 921	Miscellaneous Quantities (Deleted bid items 659.0115, 659.0125, 659.0135; added bid items 659.1115, 659.1125, 659.1130)
936	Miscellaneous Quantities (Updated quantities table due to strip drain removal from plan)
1003	Plan and Profile: Velp Avenue EB – Sidewalk (Update alignment labels)
1008	Plan and Profile: Velp Avenue WB – Sidewalk (Update alignment labels)
1009	Plan and Profile: Velp Avenue WB – Sidewalk (Update alignment labels)
1688	Computer Earthwork Data (Removed quantities due to strip drain removal from plan)
1689	Computer Earthwork Data (Removed quantities due to strip drain removal from plan)

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

Sincerely,

*Mike Coleman*

Proposal Development Specialist  
Proposal Management Section

**ADDENDUM NO. 2**  
**1133-10-75, 1133-10-77**  
**March 3, 2015**

**Special Provisions**

**2.1 Prosecution and Progress**

*Add the following paragraph to Lane Rental section:*

**USH 41 and IH 43 Final Condition**

If the contractor fails to complete the work necessary to reopen USH 41 and IH 43 mainline on permanent traffic lanes, without any restrictions to shoulder width or through traffic prior to 12:01 AM October 28, 2016 the department will assess the contractor \$1,810 for each calendar day any portion of the roadway or shoulders remains closed after 12:01 AM, October 28, 2016. An entire calendar day will be charged for any period of time within a calendar day that the road or shoulders remain closed beyond 12:01 AM. The department will administer lane rental under the Failing to Open Road to Traffic administrative item.

**4.1 Alternative Dispute Resolution**

*Delete subsection 103.9 Bid Escrow Documentation.*

**16.10 Storm Drain Inlet Marking, Item SPV.0165.251.**

**A Description**

This special provision describes furnishing and installation of storm drain inlet marking. Perform this work in accordance with applicable portions of section 637 of the standard specifications, the plans, and as hereinafter provided.

**B Materials**

Furnish storm drain inlet marking materials in accordance with applicable portions of section 637.2 of the standard specifications.

Manufacture signs on 0.040" thick aluminum Type H reflective sheeting fastened to the concrete barrier wall with an adhesive covering the entire back surface and 1 ½" stainless steel concrete anchor screws at each corner.

Furnish shop drawings for the sign and anchoring system to the Department for approval prior to installation.

**C Construction**

Perform this work in accordance with section 603.3 of the standard specifications, the plans, and as hereinafter provided.

All traffic control necessary to install storm drain inlet marking is considered incidental to the item.

**D Measurement**

The department will measure the storm drain inlet marking by the square foot 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.0165.251	Storm Drain Inlet Marking	SF

Payment is full compensation for furnishing, delivering, and installing all materials as shown in the plans.

## **19.6 Gates Pipe Double Leaf, 18 FT., Item SPV.0060.013**

### **A Description**

This special provision describes furnishing and erecting Double Leaf Pipe Gates in accordance to the details shown on the plans and as hereinafter provided.

### **B Materials**

Provide black, round steel pipe that is in accordance to ASTM Designation A53, Type F.

Provide hot-rolled round bar and miscellaneous steel plates that are in accordance to ASTM Designation A36M.

Provide Grade A Concrete Masonry that is in accordance to standard spec 501.

Provide zinc-coated bolts, nuts and washers that are in accordance to ASTM Designation A325.

### **B.1 Paint**

Provide one of the following paint systems: Rust-Oleum 9300 System Heavy-Duty Epoxy Finish with a 9334 Zinc Rich Primer; Sherwin Williams Hi-Solids Catalyzed Epoxy Finish with a Zinc Rich Primer; or Devco Tru-Glaze-3 Epoxy Gloss Coating with a Zinc Rich Primer.

The engineer will determine the paint color.

### **C Construction**

After fabrication of the entire pipe gate, including hinge and locking posts, abrasive blast clean the gate to the requirements of Grade SSPC-SP-10 as specified by the Steel Structures Painting Council.

Give all metal components two coats of epoxy paint over a zinc rich primer in accordance to the applicable portions of standard spec 517.

Shop apply the primer and first coat. Field apply second finish coat after erection of gate.

### **D Measurement**

The department will measure Gates Pipe Double Leaf 18 Ft as each individual gate, acceptably completed in place.

### **E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.013	Gates Pipe Single Leaf 18 FT	Each

Payment is full compensation for furnishing and installing all materials including pipe, concrete masonry, hardware, and steel plates; and for painting.

**Schedule of Items**

Attached, dated March 3, 2015, are the revised Schedule of Items Pages 1 – 64.

**Plan Sheets**

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

Revised: 2, 52, 142, 189, 191, 195, 195, 200, 515, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 697, 760, 761, 762, 846, 848, 849, 869, 894, 918, 919, 920, 921, 936, 1003, 1008, 1009, 1688, and 1689.

Added: None

END OF ADDENDUM

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

A SAW JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT.

THE EXACT LOCATIONS OF PRIVATE ENTRANCES ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS. BASE AGGREGATE DENSE 3/4-INCH WILL BE USED UNDER ALL DRIVEWAYS.

SAW CUT ASPHALTIC AND CONCRETE DRIVEWAYS AND/OR PARKING LOTS AT THE MATCHLINE AS SHOWN ON THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WETLANDS, WITH THE EXCEPTION OF EXCAVATION FOR BRIDGE PIER FOOTINGS. THIS EXCAVATED MATERIAL IS TO BE RETURNED TO ITS ORIGINAL LOCATION AFTER CONSTRUCTION.

PLACE EROSION CONTROL DEVICES IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER. EROSION CONTROL FEATURES ARE SHOWN AT SPECIFIC LOCATIONS. WITH SPECIFIC EXCEPTIONS TO BE DETERMINED BY THE ENGINEER, REMOVAL OF ITEMS ARE INCIDENTAL TO THE RESPECTIVE EROSION CONTROL BID ITEM COSTS.

DO NOT USE FERTILIZER WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

PLACE SALVAGED TOPSOIL OR TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. SEED, MULCH AND FERTILIZE ALL AREAS 5 DAYS AFTER PLACEMENT OF SALVAGED TOPSOIL OR TOPSOIL.

CLEAR AND GRUB TO THE RIGHT-OF-WAY, UNLESS OTHERWISE NOTED.

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ANY DONUT BARS, TIE BARS, REINFORCEMENT, OR TERMINAL ANCHORS, FOUND IN EXISTING PAVEMENT WILL BE INCIDENTAL TO THE ITEM "REMOVING PAVEMENT".

STANDARD ABBREVIATIONS

Table with 2 columns: Abbreviation and Description. Includes terms like ABUTMENT, ACRE, AGGREGATE, AHEAD, AND OTHERS, ANGLE, BACK BLOCK, BRIDGE, CATCH BASIN, CENTER LINE, CENTRAL ANGLE OR DELTA, COMMERCIAL ENTRANCE, CONCRETE, CULVERT PIPE CORRUGATED STEEL, COUNTY TRUNK HIGHWAY, CREEK, CULVERT PIPE, CURB AND GUTTER, DESIGNEE OF CURVE, DRIVEWAY, DRIVEWAY, EAST GRID COORDINATE, ELEVATION, ENTRANCE, EQUIVALENT SINGLE AXLE LOADS, EXISTING, FACE TO FACE, FIELD ENTRANCE, FINISHED GRADE, FOOTING, GUTTER, INTERSECT, IRON PIPE OR PIN, LEFT, LENGTH OF CURVE, LINEAR FOOT, MANHOLE, NORMAL WATER, NORTH, NORTH GRID COORDINATE, POINT OF COMPOUND CURVE, POINT OF CURVATURE, POINT OF INTERSECTION, PROFILE GRADE, POINT OF REVERSE CURVATURE, POINT OF TANGENCY, POINT ON TANGENT, RAILROAD, REFERENCE LINE, REINFORCEMENT BAR, REQUIRED, RIGHT-OF-WAY, RADIUS, SOUTH, SOUTHBOUND, STATE TRUNK HIGHWAYS, STORM SEWER, SUPERELEVATION, SURFACE, SURVEY LINE, TYPICAL, WESTBOUND.

PROJECT AND UTILITY CONTACTS

WISCONSIN DEPARTMENT OF NATURAL RESOURCES CITY OF GREEN BAY - WATER
ATTN: JIM DAUBNER PO BOX 1210 GREEN BAY, WI 54305
PHONE: 920-448-3480
EMAIL: jim.daubner@dnr.wisconsin.gov
GREEN BAY METROPOLITAN SEWERAGE DISTRICT
ROBERT REINHART
2231 NORTH QUINCY STREET
GREEN BAY, WI 54302
PHONE: 920-438-1035
EMAIL: robert.reinhart@greenbaywi.gov
MERIT NETWORK - COMMUNICATION
NICK ANDRUS
1000 OAKWOOD DRIVE, SUITE 200
ANN ARBOR, MI 48104
PHONE: 734-527-5777
EMAIL: nick.andrus@meritnetwork.com
WEST - COMMUNICATION
KEVIN HUFF
1700 INDUSTRIAL DRIVE
GREEN BAY, WI 54302
PHONE: 920-619-9774
EMAIL: khuff@westcomm.com
WEST - COMMUNICATION
KEVIN HUFF
13057 S. MONITOR AVENUE
PALOS HEIGHTS, IL 60463
PHONE: 708-837-7927
EMAIL: kevin.huff@centurylink.com
WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC
JOEL MIKULSKY
2850 SOUTH ASHLAND AVENUE
PO BOX 19001
GREEN BAY, WI 54307
PHONE: 920-617-5092
MOBILE: 231-649-1466
EMAIL: joel.mikulsky@wisconsinpublicservice.com
BROWN COUNTY SURVEYOR
PAUL FOGEL
PO BOX 23600
GREEN BAY, WI 54305-3600
PHONE: 920-448-4493
EMAIL: paul.fogel@brown.wi.us
CITY OF GREEN BAY - SANITARY
KRISTIN ROMANOWICZ, P.E.
100 N. JEFFERSON ST., ROOM 300
GREEN BAY, WI 54301
PHONE: 920-448-3100
EMAIL: kristin.rom@greenbaywi.gov
WISCONSIN PUBLIC SERVICE CORPORATION - GAS
DENA ANDRE
2850 SOUTH ASHLAND AVENUE
PO BOX 19001
GREEN BAY, WI 54307
PHONE: 920-617-5092
MOBILE: 231-649-1466
EMAIL: dena.andre@wisconsinpublicservice.com
BROWN COUNTY SURVEYOR
PAUL FOGEL
PO BOX 23600
GREEN BAY, WI 54305-3600
PHONE: 920-448-4493
EMAIL: paul.fogel@brown.wi.us

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Addendum No. 2
IDs 1133-10-75 / 77
Revised Sheet 2
March 3, 2015

ORDER OF SECTION 2 SHEETS

- GENERAL NOTES & CONTACTS
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PAVING DETAILS
PLAN DETAILS
SOIL MITIGATION DETAILS
FREWAY MANAGEMENT SYSTEM
DRAINAGE OVERVIEW
CROSS SECTION MATCHLINES
EROSION CONTROL
PIPE UNDERDRAIN
PERMANENT STONING
PAVING PLAN
PERMANENT BELINEATORS
TRAFFIC CONTROL
STAGE CONSTRUCTION
DETOUR PLAN
FENCING
ALIGNMENT DIAGRAMS

RAILROAD CONTACT

CANADIAN NATIONAL RAILROAD
JACKIE MACIEWICZ
MANAGER PUBLIC WORKS
1625 DEPOT STREET
STEVENS POINT, WI 54481
MOBILE: 715-572-7803
OFFICE: 715-345-2503
FAX: 715-345-2507
jackie.macewicz@cnr.com
CALL BEFORE YOU DIG!
CANADIAN NATIONAL RAILWAY IS NOT PART OF DIGGERS HOTLINE
CALL CHRISTINE GRZESTAK, 715-345-2506, WHEN DIGGING ON RAILROAD R/W

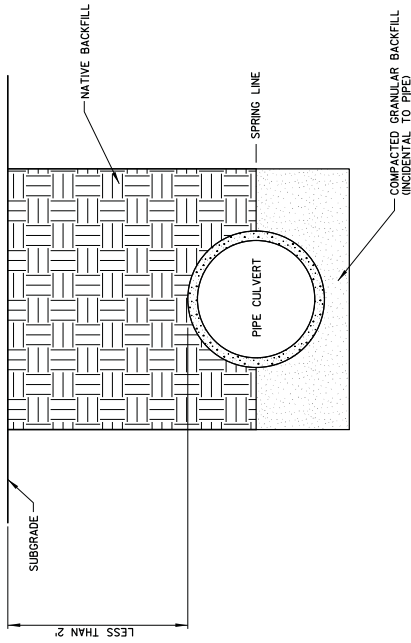
GENERAL NOTES

COUNTY: BROWN

HWY: USH 41

PROJECT NO: 1133-10-75/77

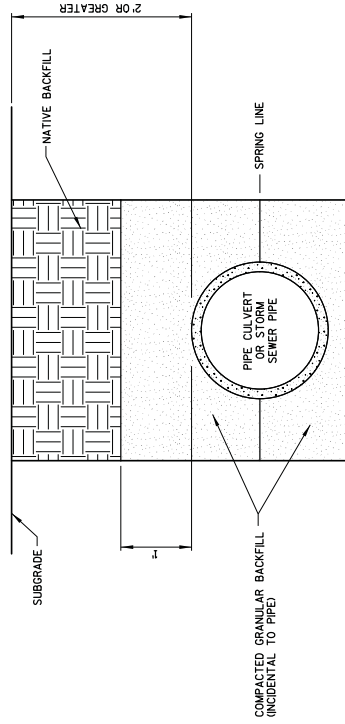
SHEET 2



**TRENCH BACKFILL DETAIL FOR SHALLOW PIPE CULVERTS**

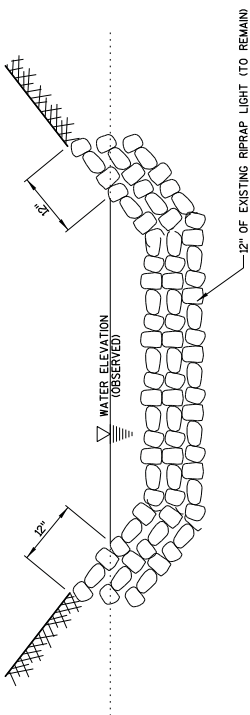
NOTE:  
NATIVE BACKFILL SHALL BE FREE  
OF LARGE LUMPS, CLODS, OR ROCK.

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 52  
March 3, 2015



**TRENCH BACKFILL DETAIL FOR NORMAL DEPTH PIPE CULVERTS  
AND STORM SEWER PIPE INSTALLATIONS**

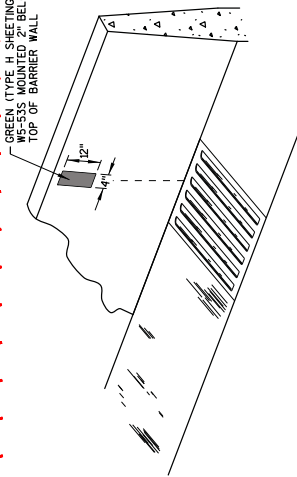
NOTE:  
NATIVE BACKFILL SHALL BE FREE  
OF LARGE LUMPS, CLODS, OR ROCK.



**DETAIL FOR EXISTING WET DITCH**

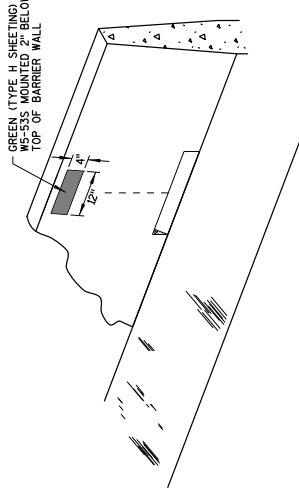
STA. 1229+50 NMC TO STA. 1235+00 NMC (1133-10-74)  
STA. 1235+00 NMC TO STA. 1249+00 NMC (1133-10-81)  
STA. 1235+00 SMC TO STA. 1249+00 SMC (1133-10-81)

GREEN (TYPE H SHEETING)  
MS-535 MOUNTED 2" BELOW  
TOP OF BARRIER WALL



AT INLETS

GREEN (TYPE H SHEETING)  
MS-535 MOUNTED 2" BELOW  
TOP OF BARRIER WALL



AT SCUPPERS

**STORM DRAIN INLET MARKING**

PROJECT NO: 1133-10-77 COUNTY: BROWN

CONSTRUCTION DETAILS

SHEET 52

WISDOT/CADD SHEET 42

FILE NAME : N:\450267\NS-15-02\_Memor-a1 Dr-Duck Creek MainLine I143 Interchange\09N\11331077\11331077\_021003.cad.dgn

PLOT SCALE : 1:1200

PLOT NAME :

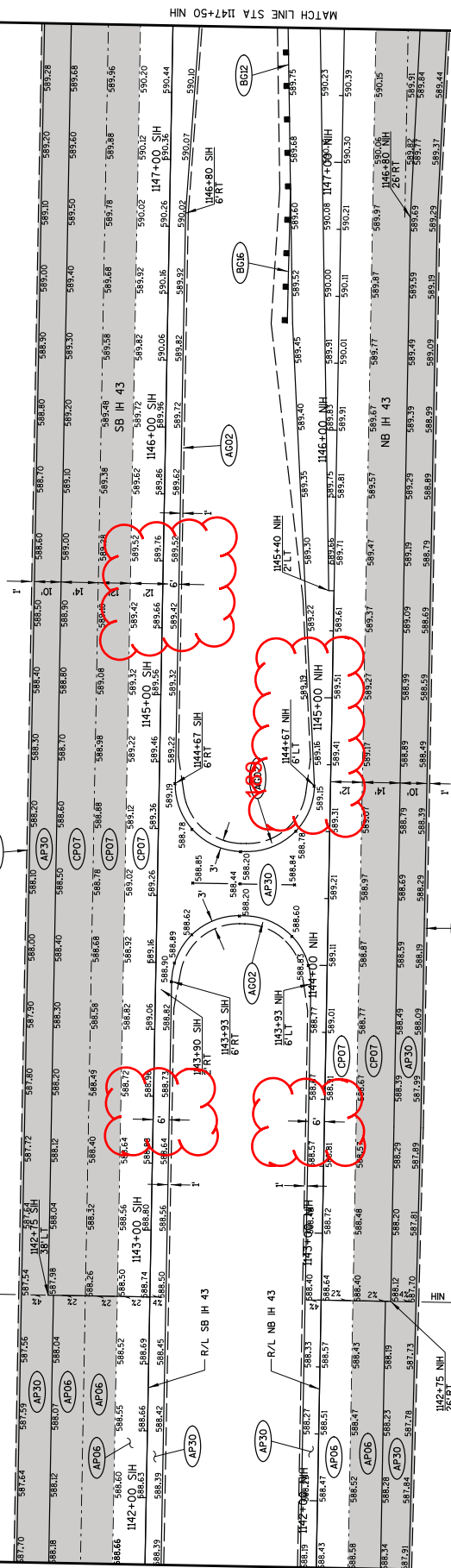
DATE : 2/18/2015



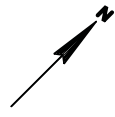
**PAVING DETAIL LEGEND**

- BASE AGGREGATE DENSE 3/4-INCH
- HMA PAVEMENT TYPE E-30 4" OVER CONCRETE BASE 8-INCH
- HMA PAVEMENT TYPE E-0.3 5"
- MGS GUARDRAIL 3
- MGS GUARDRAIL ENERGY ABSORBING TERMINAL
- CONCRETE PAVEMENT 10/2-INCH

SHADED AREAS CONSTRUCTED UNDER A DIFFERENT PROJECT

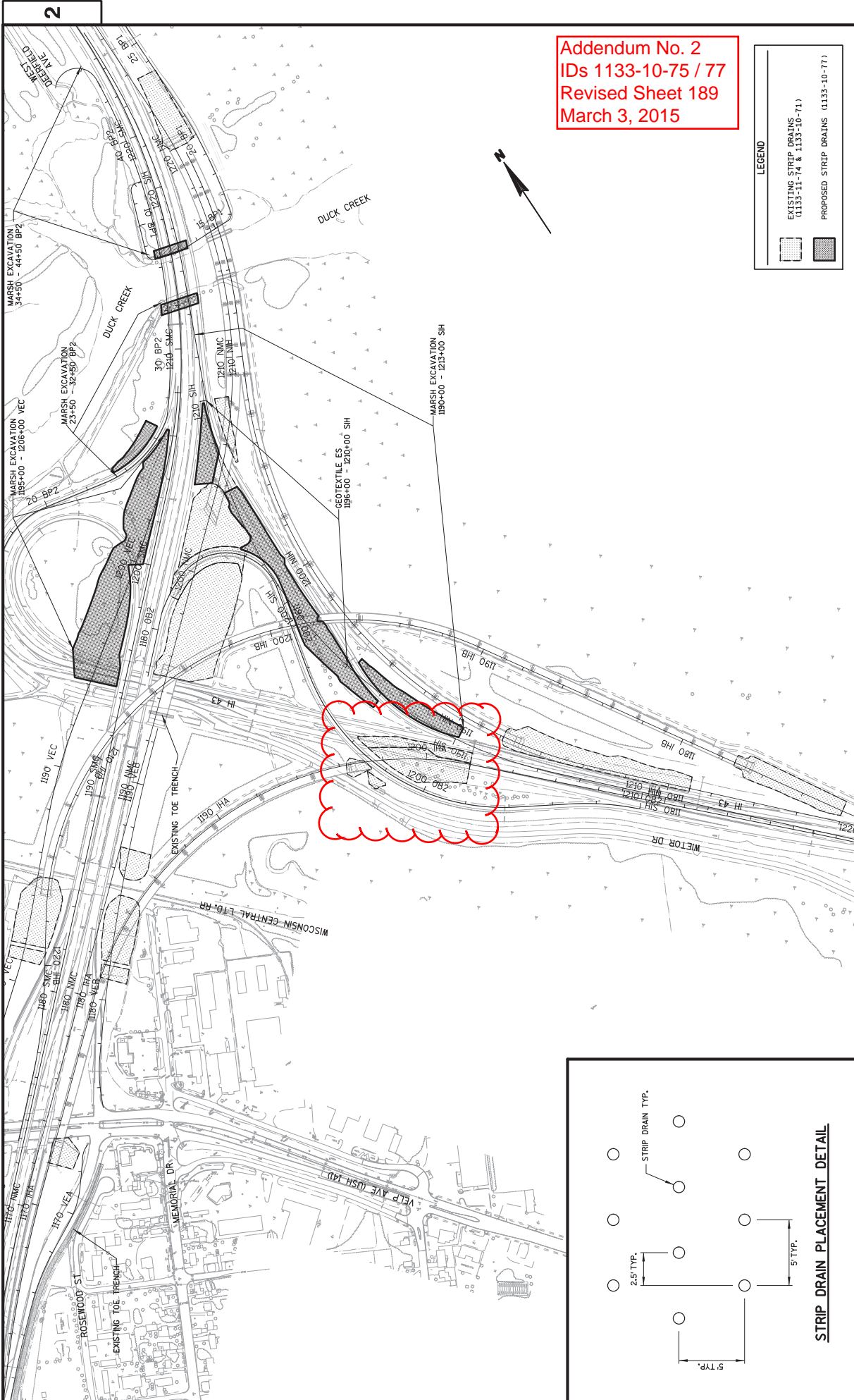


**Addendum No. 2**  
**IDs 1133-10-75 / 77**  
**Revised Sheet 142**  
**March 3, 2015**



MATCH LINE STA 1147+50 NH

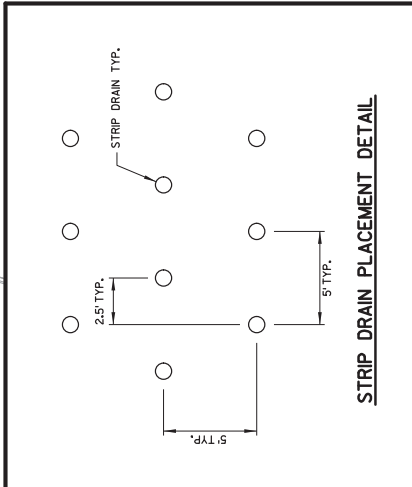
MATCH LINE STA 1141+75 NH



Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 189  
 March 3, 2015

**LEGEND**

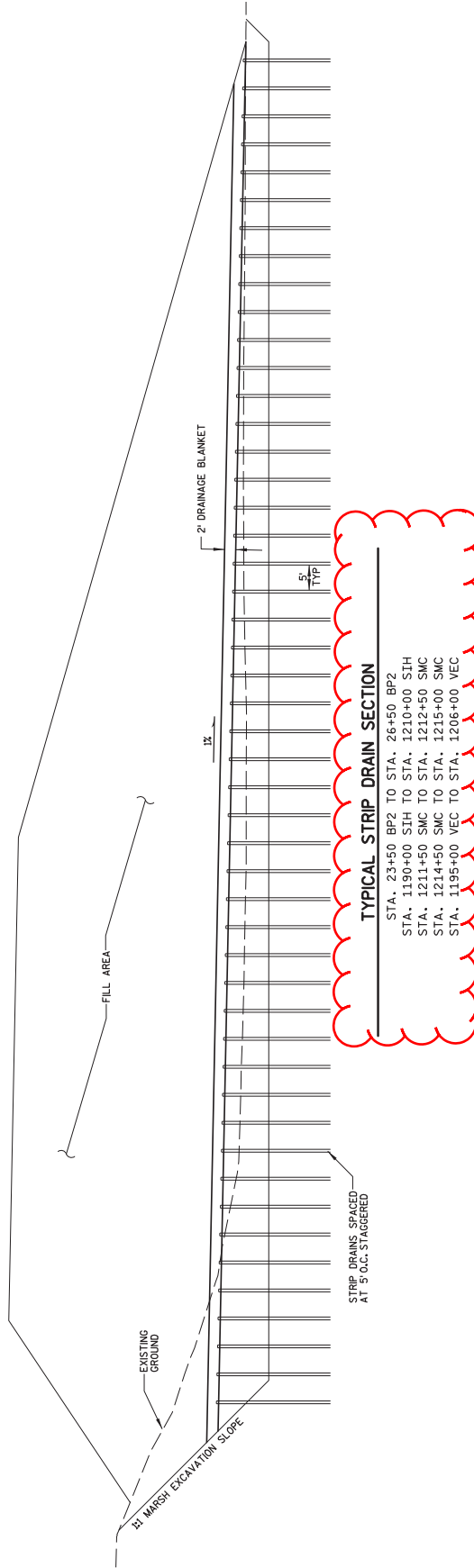
- EXISTING STRIP DRAINS (1133-11-74 & 1133-10-71)
- PROPOSED STRIP DRAINS (1133-10-77)



2

2

Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 191  
 March 3, 2015



**TYPICAL STRIP DRAIN SECTION**

- STA. 23+50 BP2 TO STA. 26+50 BP2
- STA. 1190+00 SIH TO STA. 1210+00 SIH
- STA. 1211+50 SMC TO STA. 1212+50 SMC
- STA. 1214+50 SMC TO STA. 1215+00 SMC
- STA. 1195+00 VEC TO STA. 1206+00 VEC

STRIP DRAINS SPACED  
 AT 5' O.C. STAGGERED

FILL AREA

EXISTING  
 GROUND

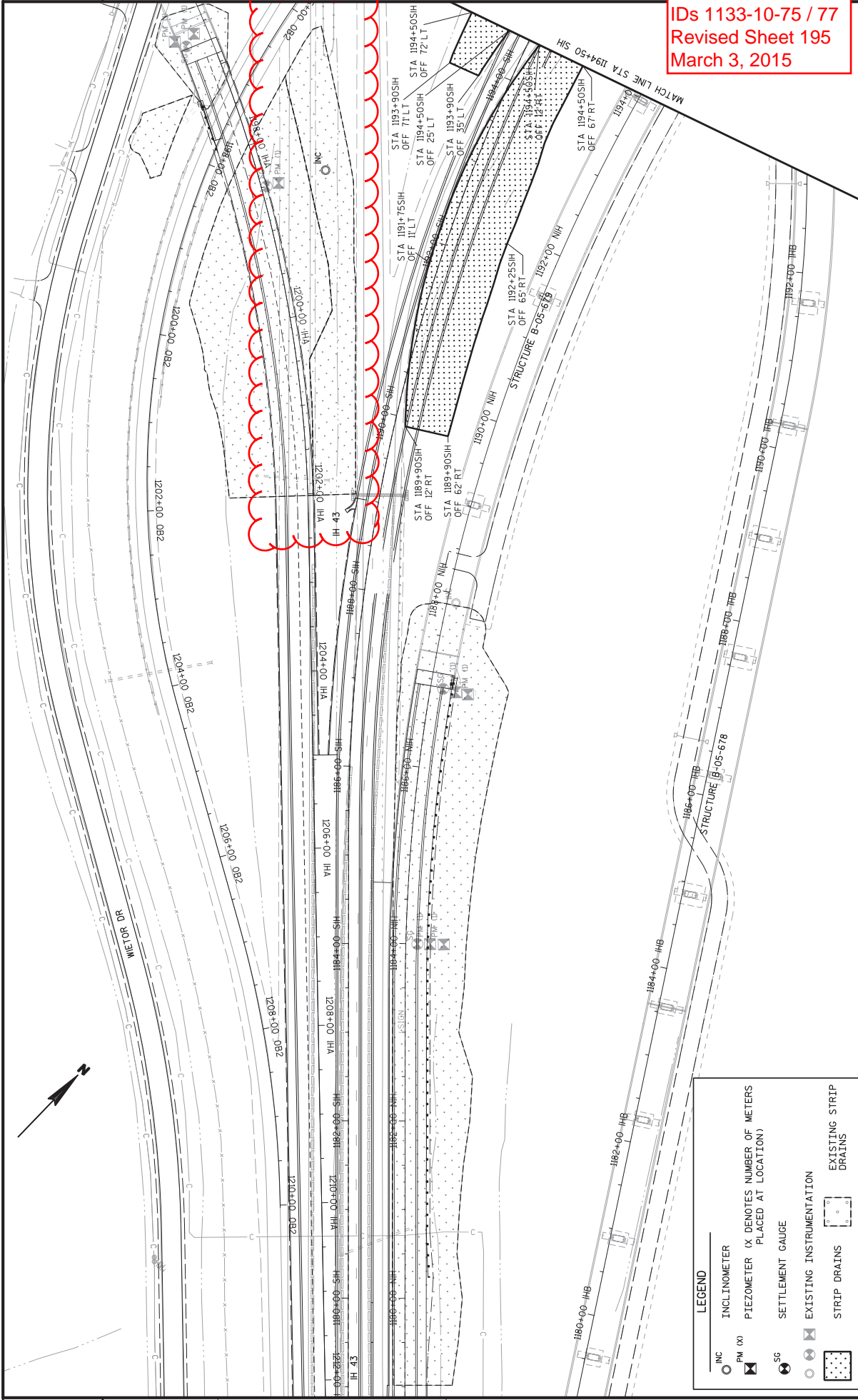
21 MARSH EXCAVATION SCOPE

2" DRAINAGE BLANKET

1X

5'  
 TYP

Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 195  
 March 3, 2015

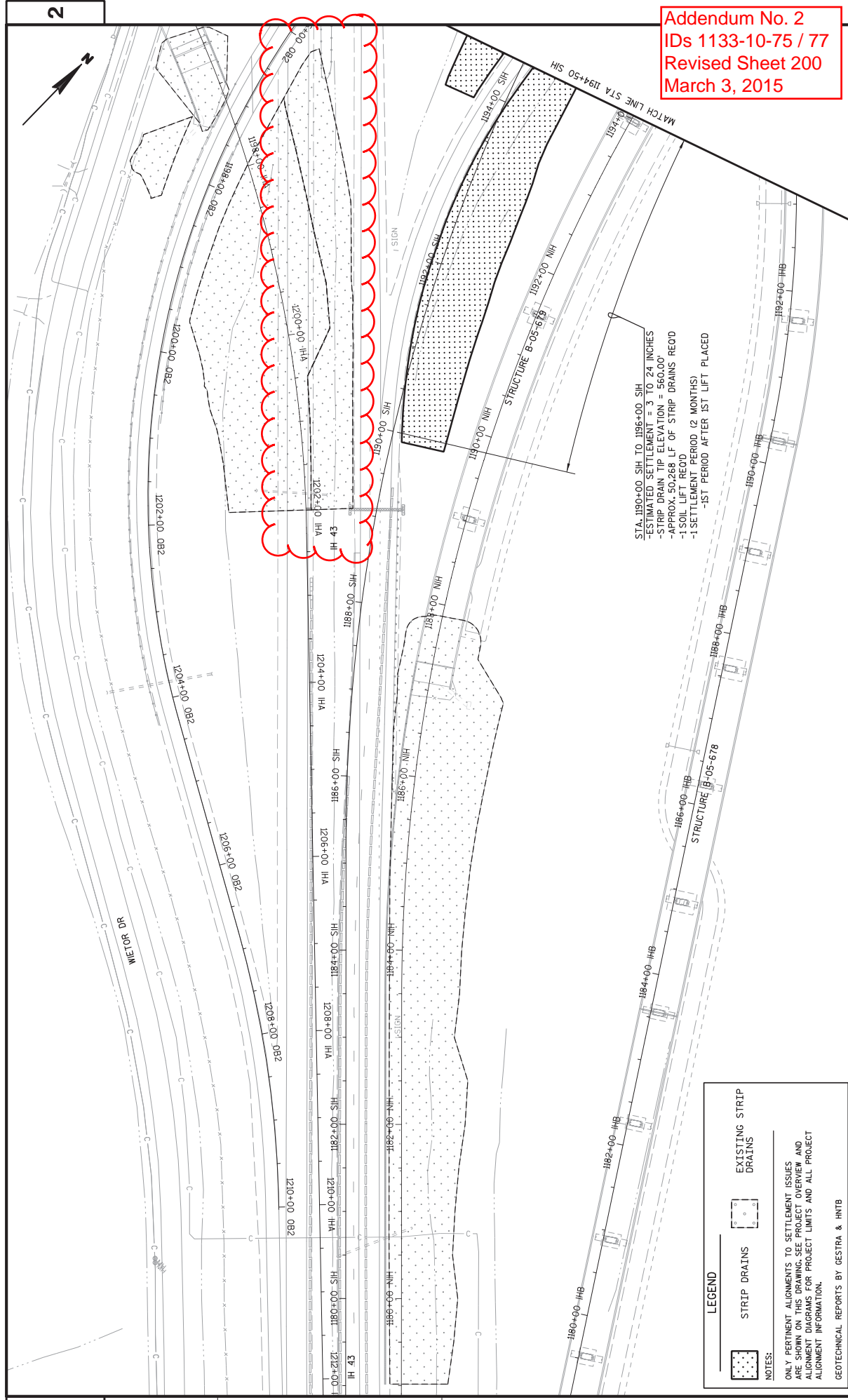


**LEGEND**

INC	INCLINOMETER	EXISTING INSTRUMENTATION
PM (X)	PIEZOMETER (X DENOTES NUMBER OF METERS PLACED AT LOCATION)	STRIP DRAINS
SG	SETTLEMENT GAUGE	EXISTING STRIP DRAINS



Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 200  
 March 3, 2015



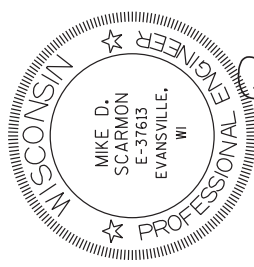
STA. 1190+00 SH TO 1196+00 SH  
 -ESTIMATED SETTLEMENT = 3 TO 24 INCHES  
 -STRIP DRAIN TIP ELEVATION = 560.00'  
 -APPROX. 50,268 LF OF STRIP DRAINS REQ'D  
 -1 SOIL LIFT REQ'D  
 -1 SETTLEMENT PERIOD (2 MONTHS)  
 -1ST PERIOD AFTER 1ST LIFT PLACED

**LEGEND**

- STRIP DRAINS
- EXISTING STRIP DRAINS

**NOTES:**  
 ONLY PERTINENT ALIGNMENTS TO SETTLEMENT ISSUES ARE SHOWN ON THIS DRAWING. SEE PROJECT OVERVIEW AND ALIGNMENT DIAGRAMS FOR PROJECT LIMITS AND ALL PROJECT ALIGNMENT INFORMATION.  
 GEOTECHNICAL REPORTS BY GESTRA & HNTB

STREET LIGHTING PLANS PREPARED BY



12-1-2014 (DATE)

(SIGNATURE)

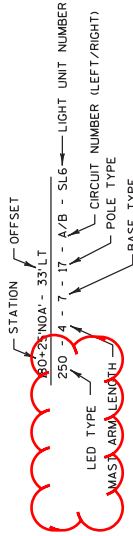
INDIVIDUAL PLAN SHEETS REFLECT THE FOLLOWING LED CONVERSIONS:

- 150 = LUMINAIRES UTILITY LED A
- 250 = LUMINAIRES UTILITY LED C
- 400 = LUMINAIRES UTILITY LED D

NOTES:

- 1) WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO INSTALLATION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5654 OR (920) 492-5628.
- 2) PITCH ALL CONDUIT TOWARD PULLBOXES, A 2" DRAIN DUCT TO DITCH OR STORM SEWER REQUIRED FOR ALL PULL BOXES IN LOW POINTS. REFER TO THE MISCELLANEOUS QUANTITIES FOR LOCATIONS OF DRAIN DUCT.
- 3) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 4) REFER TO STANDARD DETAIL DRAWING, CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL), WITH EXCEPTION TO CONDUIT ENTRY THROUGH THE CABINET SIDE. DO NOT DRILL OR OTHERWISE PIERCE THE CABINET ENCLOSURE FOR ELECTRICAL SERVICE WIRING ACCESS. SEE CONSTRUCTION DETAILS FOR CABINET BASES SHOWING UNDERGROUND CONDUIT ENTRY TO METER PEDESTAL.
- 5) REFER TO ITS PLANS FOR LOCATIONS OF SHARED INFRASTRUCTURE.
- 6) ALL POLES ON BREAKAWAY BASES SHALL BE PLACED A MINIMUM OF 12- FEET FROM THE EDGE OF THE OUTSIDE TRAVEL LANE. ALL LIGHTS PLACED BEHIND GUARDRAIL SHALL BE PLACED A MINIMUM OF 4- FEET BEHIND THE FACE OF GUARDRAIL. ALL LIGHTS PLACED BEHIND CONCRETE BARRIER SHALL BE PLACED A MINIMUM OF 4- FEET BEHIND THE BACK OF THE CONCRETE BARRIER.
- 7) CONDUIT RIGID METALLIC MAY BE REQUIRED ACROSS STRUCTURE JOINTS AT CERTAIN LOCATIONS. FIVE FEET (MINIMUM) ON EITHER SIDE OF THE JOINT REQD. APPLY ASPHALTIC SEALANT TO ANY EXPOSED METALLIC CONDUIT. EXPANSION FITTING BONDING JUMPER & ASPHALTIC SEALANT TO BE CONSIDERED INCIDENTAL TO THE CONDUIT. REFER TO LOCATIONS SHOWN IN THE PLANS FOR RIGID METALLIC CONDUIT LOCATIONS.
- 8) COORDINATE CONSTRUCTION OF LIGHT BASES WITH RETAINING WALL SOIL BACKFILL AND GEGRID PLACEMENT OPERATIONS. FURNISH AND INSTALL RIGID FORMS FOR WALL BACKFILL AS REQUIRED.
- 9) REFER TO PLANS AND CONSTRUCTION DETAILS FOR THE LOCATION OF CONDUIT IN THE USH
- 41) MEDIANS, COORDINATE CONDUIT PLACEMENT WITH BARRIER WALL CONSTRUCTION AS REQD.
- 10) CABINET BASES AND THE PULLBOXES AND CONDUIT WITHIN THE AREA OF CABINET BASES SHALL BE INSTALLED PER FIELD CONDITIONS (WITH ENGINEER APPROVAL). VERIFY THE LOCATION OF ALL ELECTRICAL FACILITIES WITH THE ENGINEER PRIOR TO INSTALLING.
- 11) REFER TO MISCELLANEOUS QUANTITIES FOR THE LOCATIONS OF BLACK ANODIZED AND CITY FURNISHED STREET LIGHTING EQUIPMENT.
- 12) METALLIC CONDUIT SHALL BE PLACED BETWEEN STRUCTURE PARAPETS AND THE FIRST PULLBOX LOCATED OFF THE STRUCTURE.
- 13) REFER TO LANDSCAPING PLANS FOR PLANTING LOCATIONS. ROUTE CONDUIT AND PLACE PULLBOXES OUTSIDE OF LANDSCAPED AREAS TO AVOID CONFLICTS.
- 14) ALL CONCRETE BASE MEDIAN BARRIER SHALL BE CONDUIT INSTALLATION CASE ONE UNLESS NOTED OTHERWISE.
- 15) ELECTRICAL WIRE LIGHTING 10 AWG (GREEN) INCLUDED FOR PULL BOXES AS THE BONDING CONDUCTOR. REFER TO MISCELLANEOUS QUANTITIES FOR LOCATIONS.
- 16) REVIEW AND MAINTAIN WORKING CLEARANCES FOR INSTALLATION OF STREET LIGHT POLES ADJACENT TO ATC TRANSMISSION LINES.

LIGHTING PLAN LEGEND



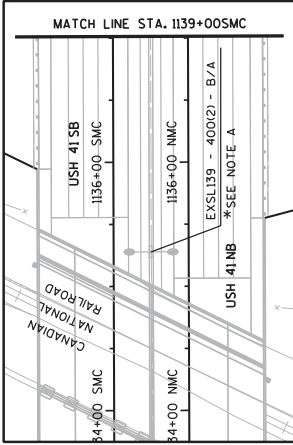
- LED TYPE
- MAST ARM LENGTH
- STATION
- OFFSET
- 60'-2 1/2\"/>
- 250 - 4 - 7 - 17 - A/B - SL6 - LIGHT UNIT NUMBER
- CIRCUIT NUMBER (LEFT/RIGHT)
- POLE TYPE
- BASE TYPE
- TWIN ARM LIGHTING UNIT ON CONCRETE BASE MEDIAN BARRIER
- TWIN ARM LIGHTING UNIT ON CONCRETE BASE
- SINGLE ARM LIGHTING UNIT ON CONCRETE BASE
- LIGHTING CONTROL CABINET & BASE
- PULL BOX (24\"/>
- LIGHTING CONDUIT (REFER TO PLANS & MISC. QUANTITIES FOR SIZE, TYPE AND WIRING.)
- LIGHTING CONDUIT (REFER TO PLANS & MISC. QUANTITIES FOR SIZE, TYPE AND WIRING.)
- SEE STRUCTURE PLANS FOR ELECTRICAL DETAILS
- EXISTING STRUCTURE WITH LIGHTING CONDUIT, JUNCTION BOXES AND/OR ANCHORAGES

ABBREVIATIONS:

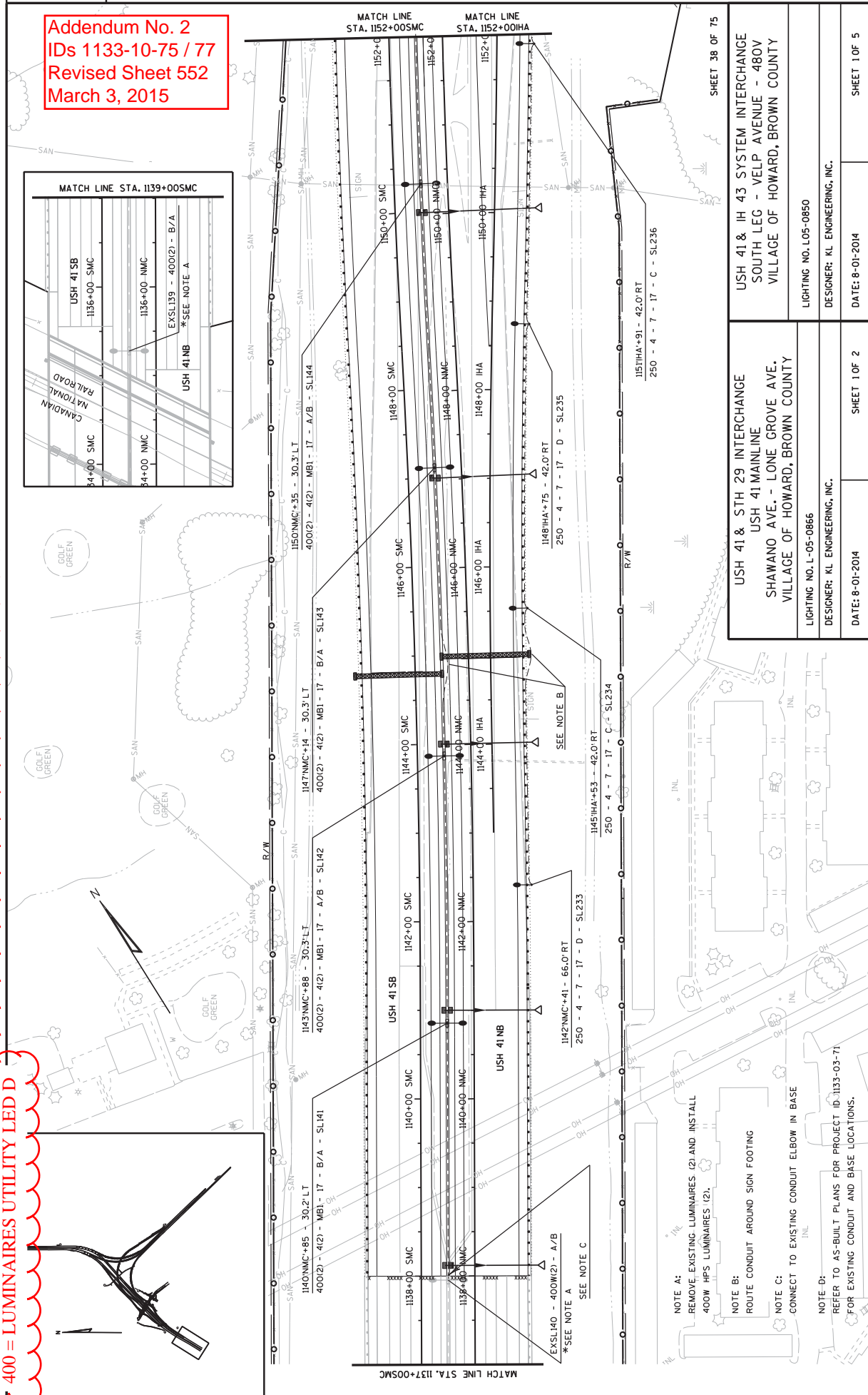
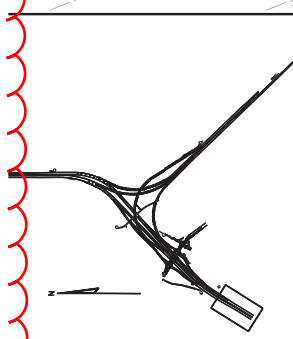
- MB1 - CONCRETE BASE MEDIAN BARRIER TYPE 1
- MB2 - CONCRETE BASE MEDIAN BARRIER TYPE 2
- MB3 - CONCRETE BASE MEDIAN BARRIER TYPE 3
- STR - STRUCTURE MOUNT (REFER TO STRUCTURE PLANS)
- PWO - PULLWIRE ONLY REQD
- C - LUMINAIRES UTILITY LED CATEGORY C
- F - FIBERGLASS STREET LIGHT POLE - INSTALL ONLY
- W - CONCRETE BASES TYPE W
- B - BOX STYLE LUMINAIRE LED - INSTALL ONLY

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 515  
March 3, 2015

Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 552  
 March 3, 2015



LUMINAIRE CONVERSIONS  
 150 = LUMINAIRE'S UTILITY LED A  
 250 = LUMINAIRE'S UTILITY LED C  
 400 = LUMINAIRE'S UTILITY LED D

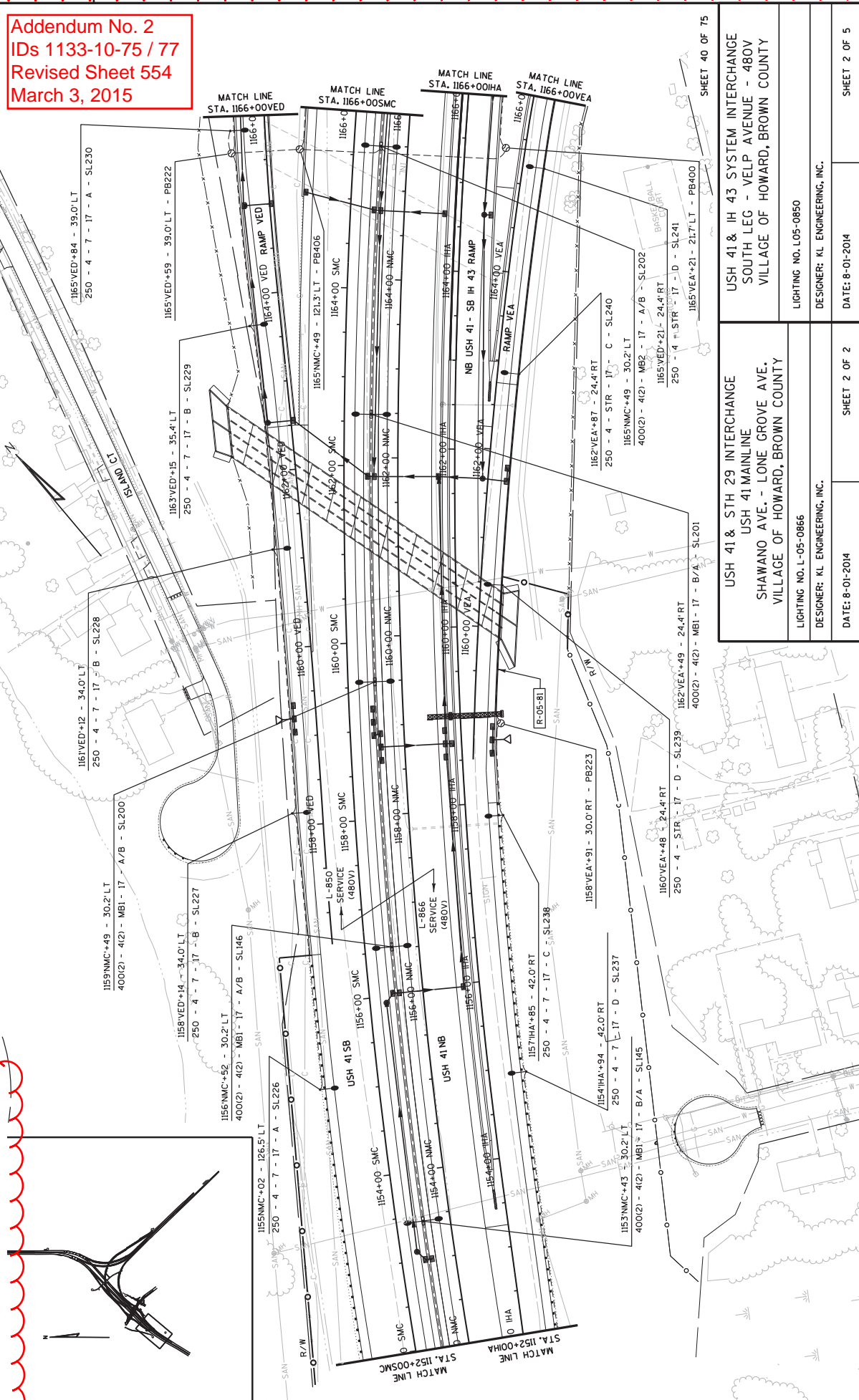


USH 41 & IH 43 SYSTEM INTERCHANGE SOUTH LEG - VELP AVENUE - 480V VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L.05-0850 DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014	USH 41 & STH 29 INTERCHANGE USH 41 MAINLINE SHAWANO AVE. - LONE GROVE AVE. VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L-05-0866 DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014
LIGHTING PLANS COUNTY: BROWN HWY: USH 41	
SHEET 552 SHEET 1 OF 5	

PROJECT NO: 1133-10-77  
 COUNTY: BROWN  
 HWY: USH 41  
 FILE NAME: F:\INDOOR\1133-10-77\INDOOR\PLAN SHEET\023901-15.dwg  
 PLOT DATE: 12/16/2015  
 PLOT BY: KL Engineering, Inc.  
 PLOT NAME: USH 41 - IH 43 - VELP AVENUE INTERCHANGE SOUTH LEG - VELP AVENUE - 480V  
 SCALE: 1" = 40'

Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 554  
 March 3, 2015

LUMINAIRE CONVERSIONS  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D



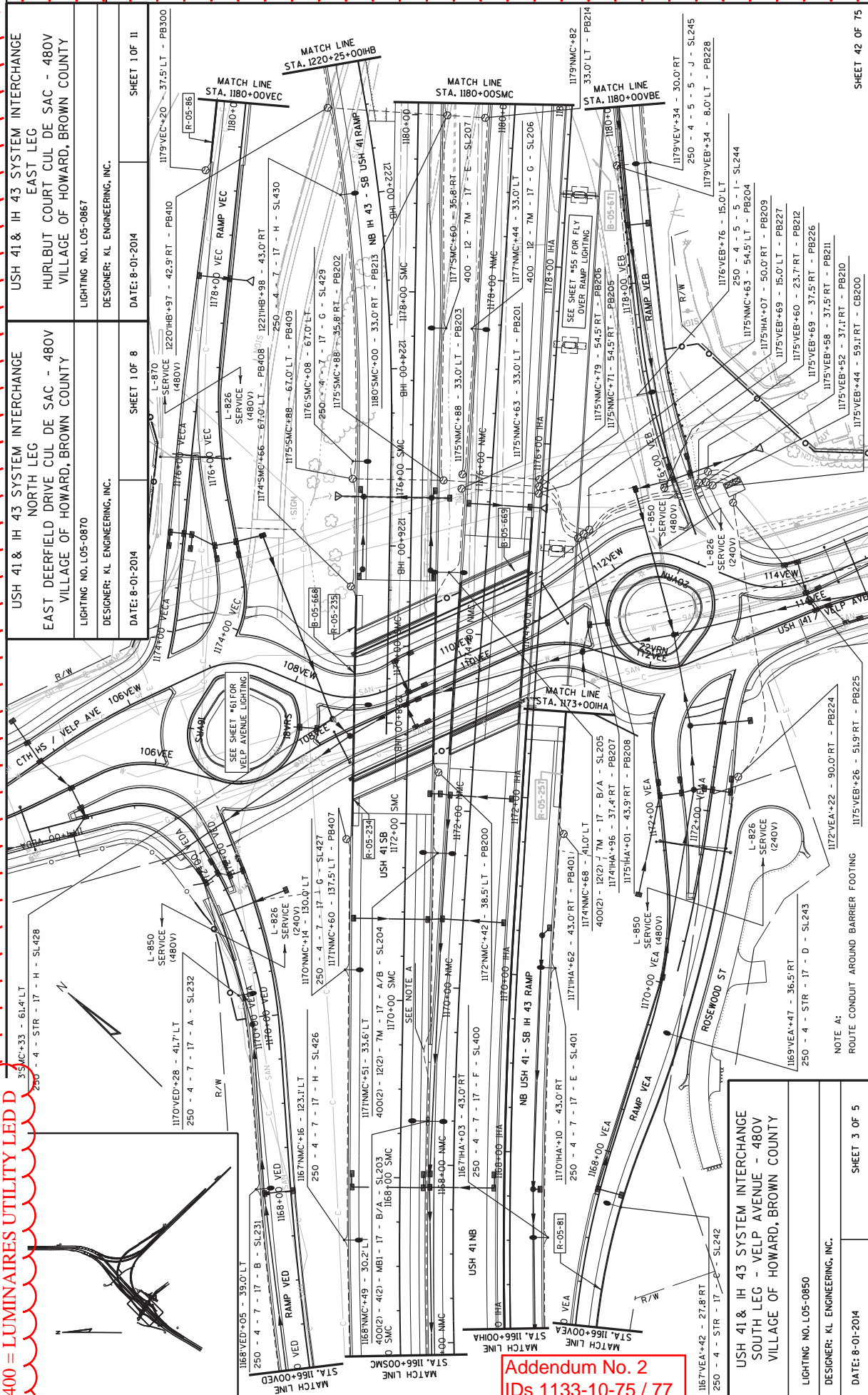
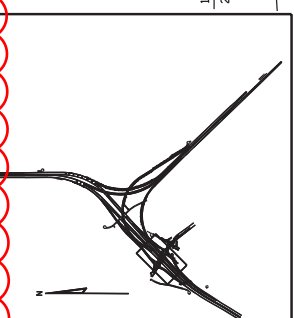
US 41 & STH 29 INTERCHANGE US 41 MAINLINE SHAWANO AVE. - LONE GROVE AVE. VILLAGE OF HOWARD, BROWN COUNTY	US 41 & IH 43 SYSTEM INTERCHANGE SOUTH LEG - VELD AVENUE - 480V VILLAGE OF HOWARD, BROWN COUNTY
LIGHTING NO. L-05-0866 DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014	LIGHTING NO. L-05-0850 DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014
SHEET 2 OF 2	SHEET 2 OF 5

PROJECT NO: 1133-10-77	HWY: USH 41	COUNTY: BROWN	LIGHTING PLANS	SHEET 554	E
FILE NAME : F:\PROJECTS\1133-10-77\1133-10-77_USH 41_IH 43_VELD\PLAN SHEET\023\F02-15.dwg PLOT DATE: 12/2/2013 PLOT NAME : KL Eng.dwg FOR PLS. SCALE: 1/8"=1'-0" A500-CAD-DWG-SHEET-42					



**LUMINAIRE CONVERSIONS**

- 150 = LUMINAIRES UTILITY LED A
- 250 = LUMINAIRES UTILITY LED C
- 400 = LUMINAIRES UTILITY LED D



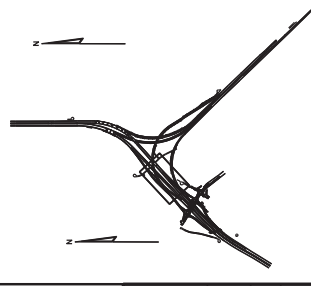
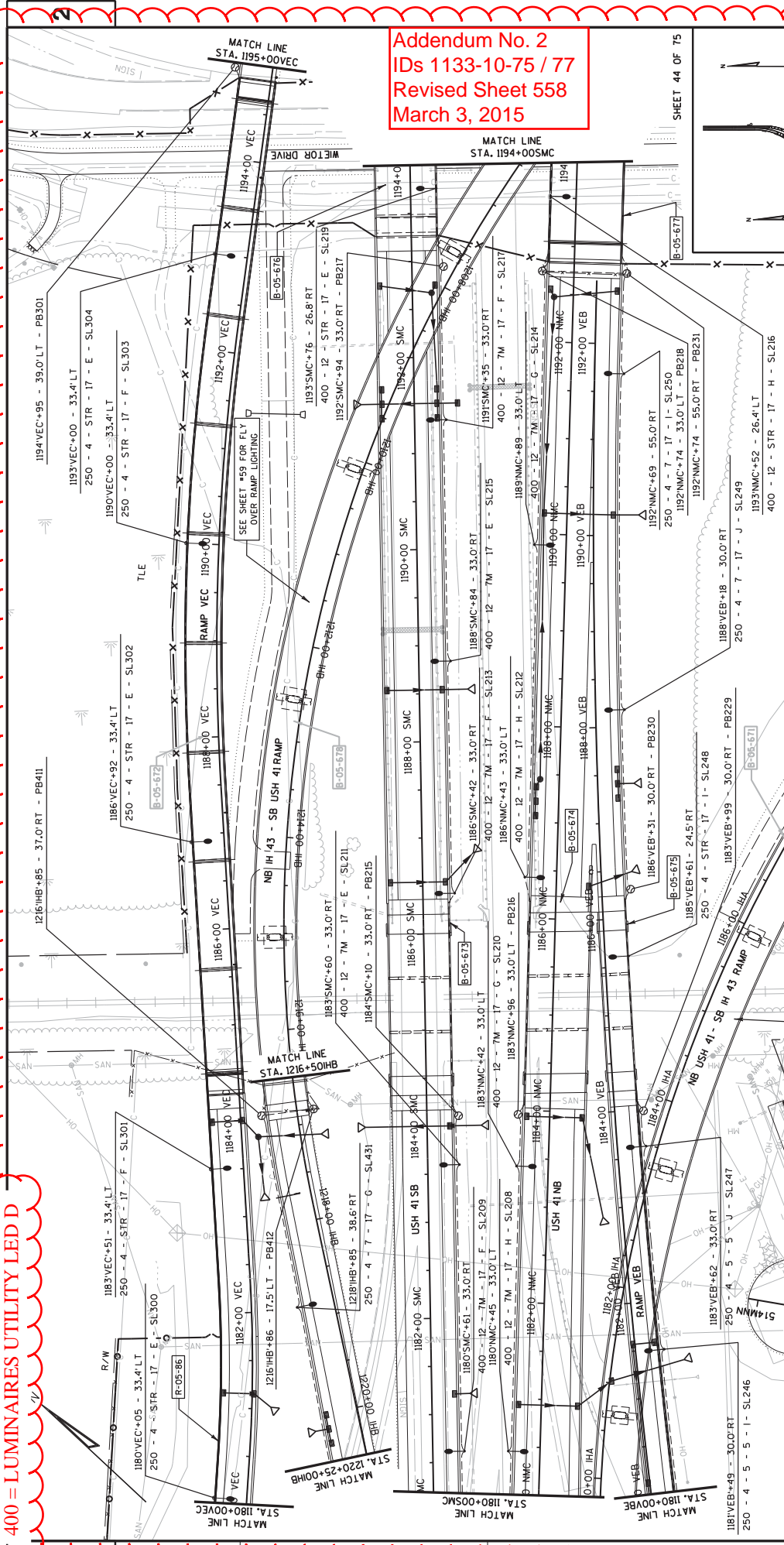
USH 41 & IH 43 SYSTEM INTERCHANGE NORTH LEG EAST DEERFIELD DRIVE CUL DE SAC - 480V VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L05-0870	USH 41 & IH 43 SYSTEM INTERCHANGE EAST LEG HURLBUT COURT CUL DE SAC - 480V VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L05-0867
DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014	DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014
SHEET 1 OF 8	SHEET 1 OF 11

LIGHTING NO. L05-0850 DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014	PROJECT NO: 1133-10-77 COUNTY: BROWN HWY: USH 41
SHEET 3 OF 5	SHEET 556

**Addendum No. 2**  
**IDs 1133-10-75 / 77**  
**Revised Sheet 556**  
**March 3, 2015**

**LUMINAIRE CONVERSIONS**  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D

**Addendum No. 2**  
 IDs 1133-10-75 / 77  
 Revised Sheet 558  
 March 3, 2015

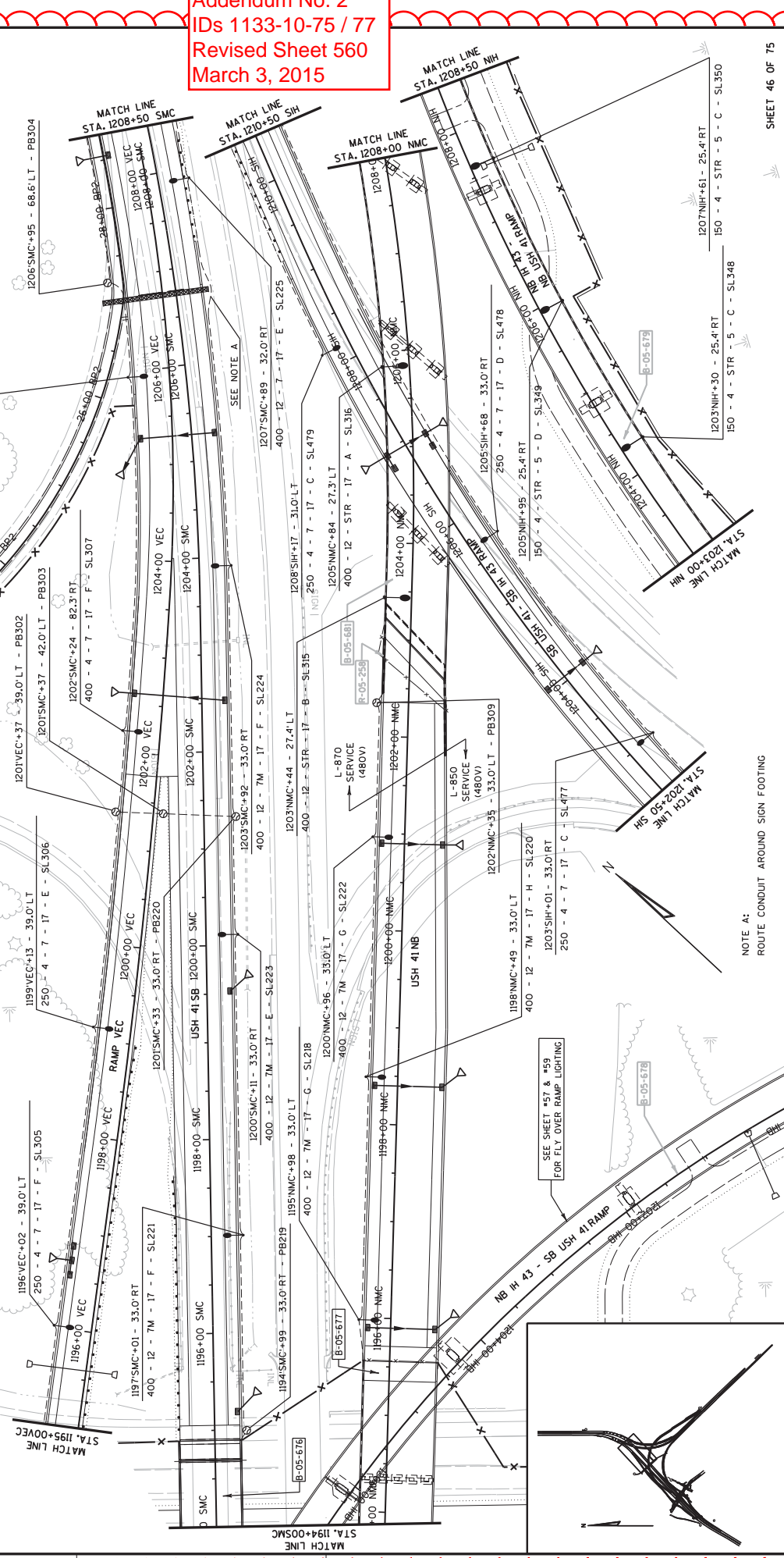


USH 41 & IH 43 SYSTEM INTERCHANGE NORTH LEG EAST DEERFIELD DRIVE CUL DE SAC - 480V VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L05-0870 DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014	USH 41 & IH 43 SYSTEM INTERCHANGE EAST LEG HURLBUT COURT CUL DE SAC - 480V VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L05-0867 DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014	USH 41 & IH 43 SYSTEM INTERCHANGE SOUTH LEG - VELP AVENUE - 480V VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L05-0850 DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014
PROJECT NO: 1133-10-77	COUNTY: BROWN	SHEET 558
HWY: USH 41	COUNTY: BROWN	SHEET 558
FILE NAME: G:\WOODTONE\130-0739 BROWN COUNTY - 02\1133-10-77 USH 41_IH 43_VELP\WDM\PLAN SHEETS\023504-10.dgn	PLANT DATE: 12/15/2014	PLANT SCALE: WISDOT/CADD SHEET 42
	PLANT NAME: KL Engineer, Inc	

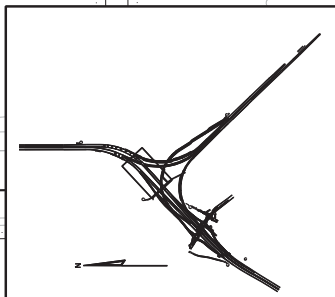
Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 560  
 March 3, 2015

LUMINAIRE CONVERSIONS  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D

INTERCHANGE USH 41 & IH 43 SYSTEM INTERCHANGE NORTH LEG EAST DEERFIELD DRIVE CUL DE SAC - 480V VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L05-0870 DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014 SHEET 3 OF 11		INTERCHANGE USH 41 & IH 43 SYSTEM INTERCHANGE SOUTH LEG - VHELP AVENUE - 480V VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L05-0890 DESIGNER: KL ENGINEERING, INC. DATE: 8-01-2014 SHEET 5 OF 5	
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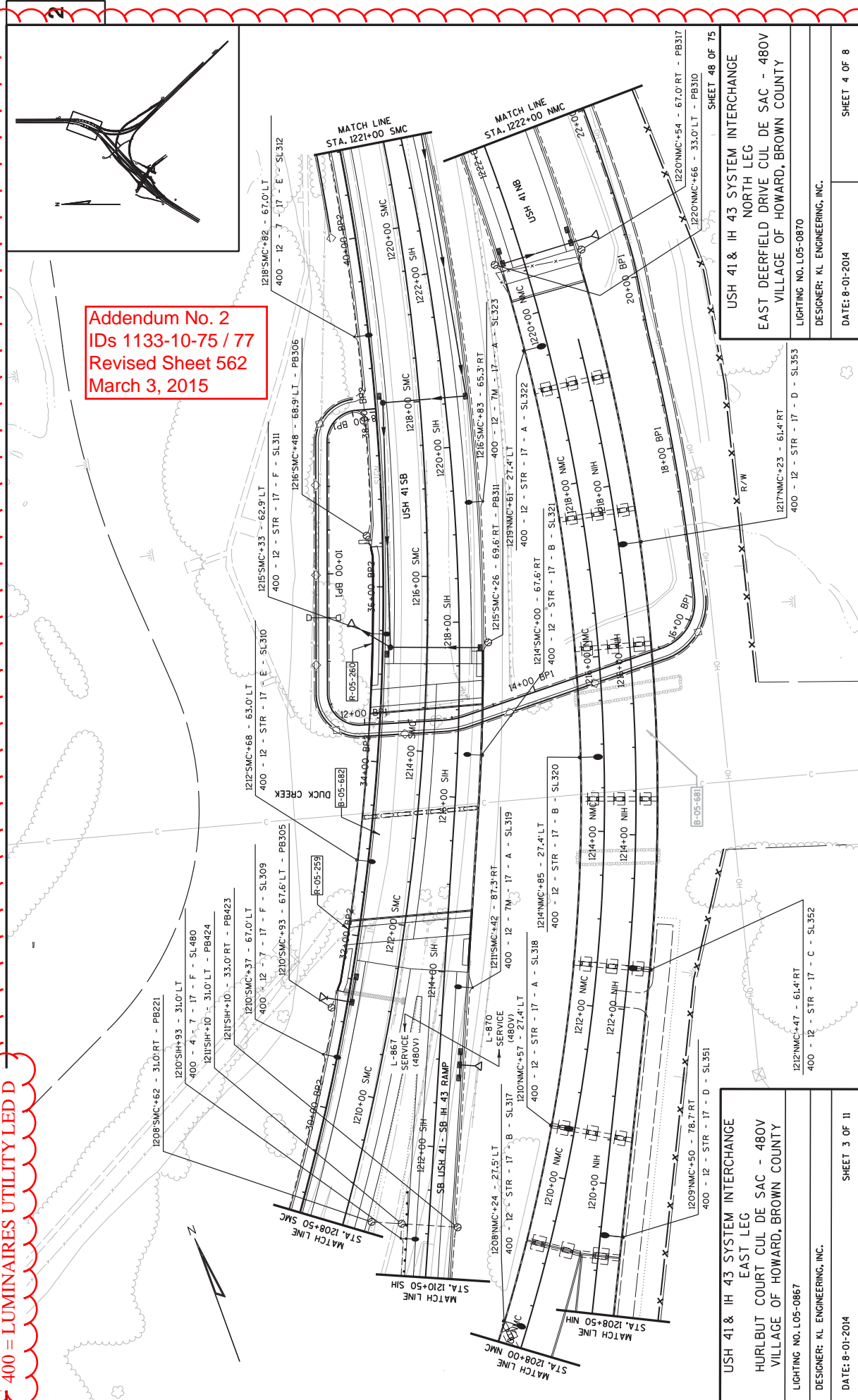
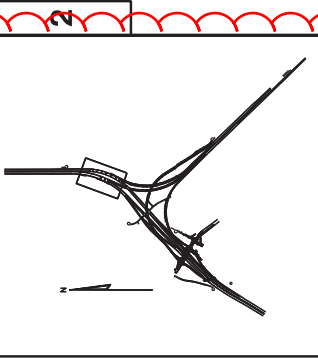
NOTE A:  
 ROUTE CONDUIT AROUND SIGN FOOTING



PROJECT NO: 1133-10-77 COUNTY: BROWN HWY: USH 41 LIGHTING PLANS SHEET 560 SHEET 46 OF 75	FILE NAME: G:\MIDLINE\1133-10-77\BROWN COUNTY_02\1133-10-77_USH 41_IH 43_VELP AVENUE\PLAN SHEET\02-705-1A.dwg PLOT DATE: 12/25/2013 PLOT BY: KL Engineering, Inc. PLOT NAME: 1133-10-77_USH 41_IH 43_VELP AVENUE SCALE: 1"=50'-0"
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LUMINAIRE CONVERSIONS  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D

Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 562  
 March 3, 2015

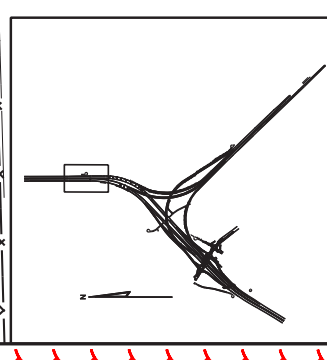
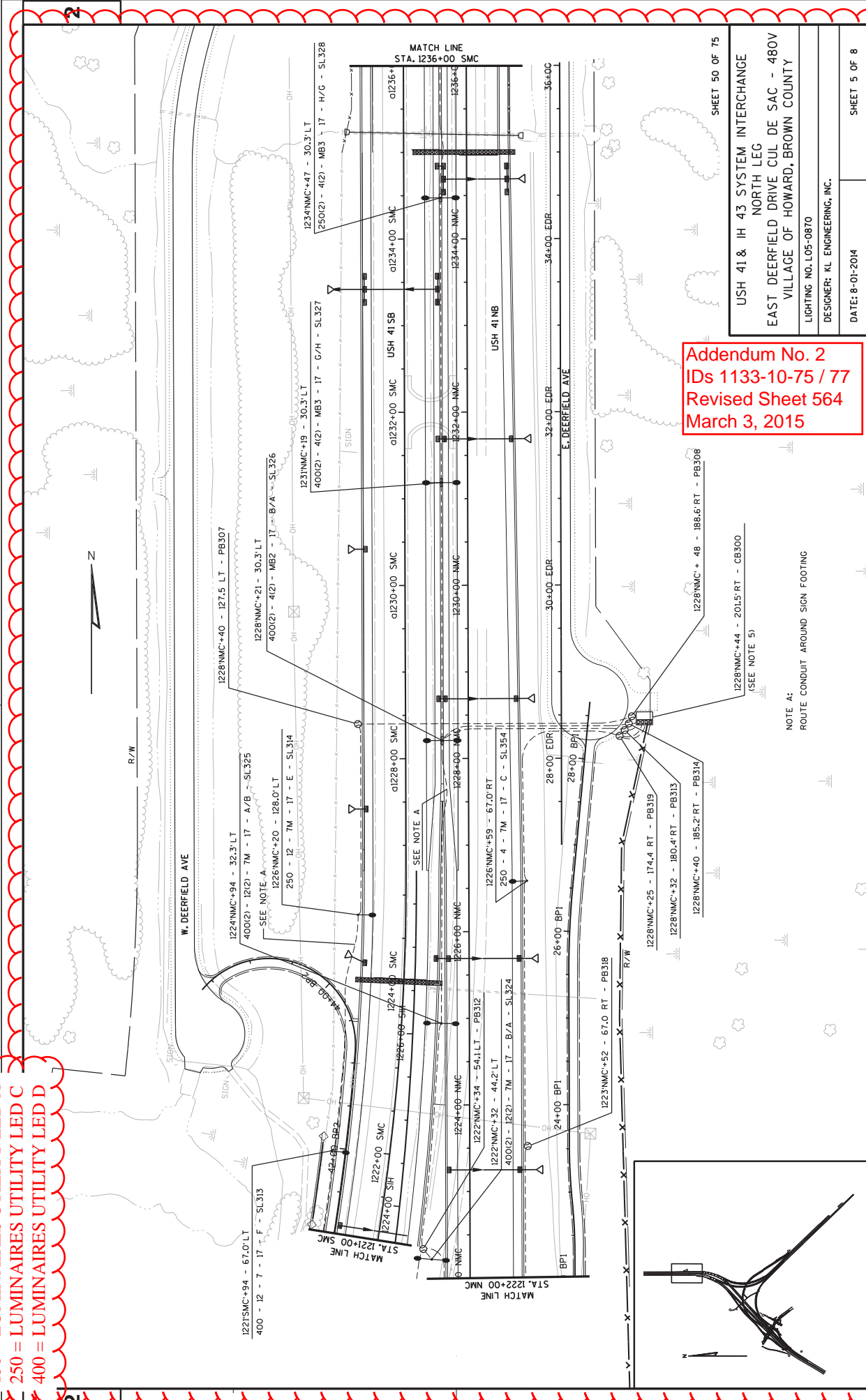


USH 41 & IH 43 SYSTEM INTERCHANGE  
 EAST LEG  
 HURLBUT COURT CUL DE SAC - 480V  
 VILLAGE OF HOWARD, BROWN COUNTY  
 LIGHTING NO. L05-0867  
 DESIGNER: KL ENGINEERING, INC.  
 DATE: 8-01-2014  
 SHEET 3 OF 11

USH 41 & IH 43 SYSTEM INTERCHANGE  
 NORTH LEG  
 EAST DEERFIELD DRIVE CUL DE SAC - 480V  
 VILLAGE OF HOWARD, BROWN COUNTY  
 LIGHTING NO. L05-0870  
 DESIGNER: KL ENGINEERING, INC.  
 DATE: 8-01-2014  
 SHEET 4 OF 8

PROJECT NO: 1133-10-77	COUNTY: BROWN	LIGHTING PLANS	SHEET 562
FILE NAME: I:\PROJECTS\1133-10-77\1133-10-77-3-VE\INDOPLAN\PLAN SHEET 562.DWG	DATE: 12/29/2013	PLOT NAME: KL Engg. 1133-10-77	PLOT SCALE: 1" = 30'-0"
HWY: USH 41			

**LUMINAIRE CONVERSIONS**  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D



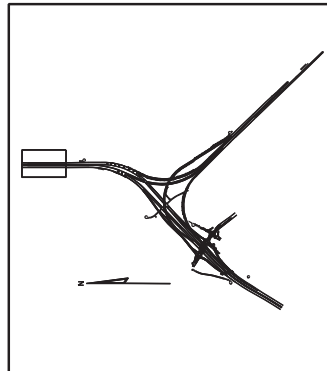
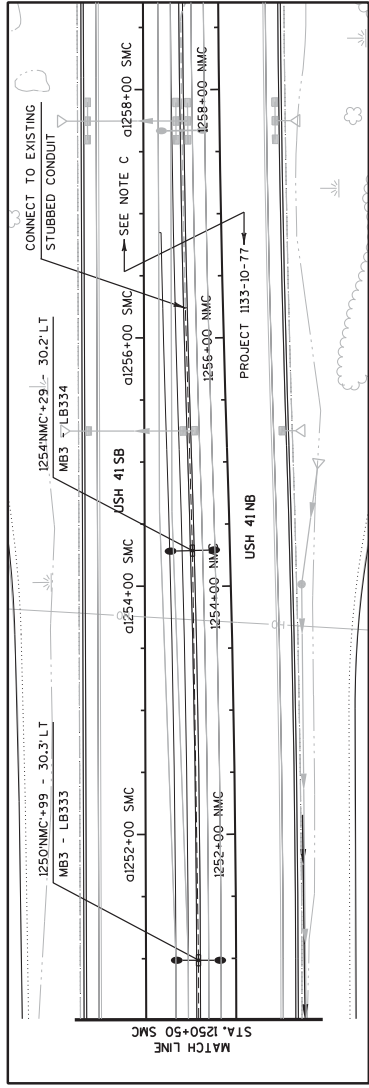
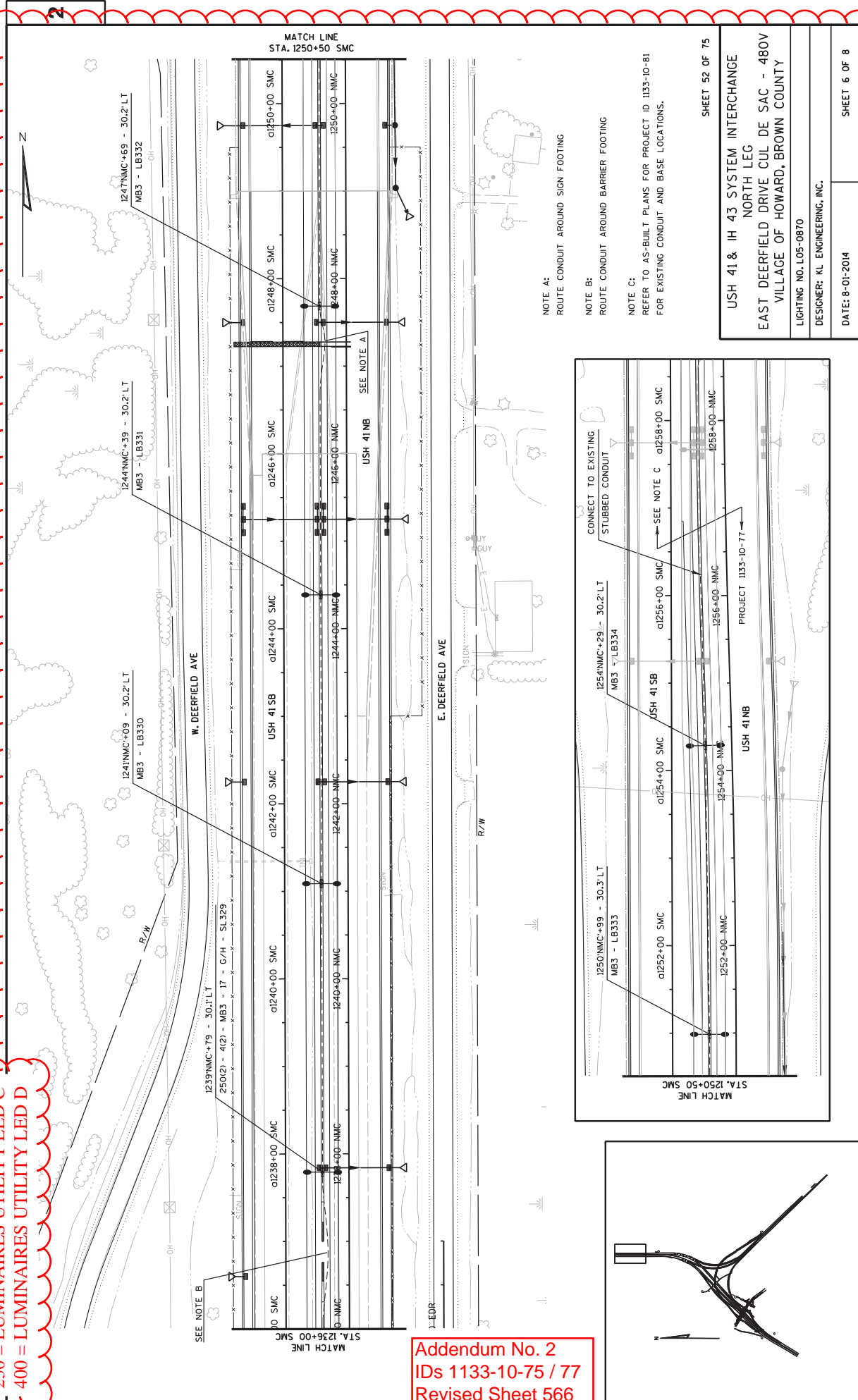
**Addendum No. 2**  
 IDs 1133-10-75 / 77  
 Revised Sheet 564  
 March 3, 2015

USH 41 & IH 43 SYSTEM INTERCHANGE  
 NORTH LEG  
 EAST DEERFIELD DRIVE CUL DE SAC - 480V  
 VILLAGE OF HOWARD, BROWN COUNTY  
 LIGHTING NO. L05-0870  
 DESIGNER: KL ENGINEERING, INC.  
 DATE: 8-01-2014

NOTE A:  
 ROUTE CONDUIT AROUND SIGN FOOTING

PROJECT NO: 1133-10-77 HWY: USH 41 COUNTY: BROWN LIGHTING PLANS SHEET 564  
 FILE NAME: F:\PROJECTS\1133-10-77\HOWARD\PLANS\1133-10-77\1133-10-77-001.DWG PLOT DATE: 12/16/2014 PLOT BY: KL\Engineering\PL  
 SHEET 5 OF 8  
 SHEET 564  
 SHEET 5 OF 8  
 SHEET 564  
 SHEET 5 OF 8

**LUMINAIRE CONVERSIONS**  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D



NOTE A:  
ROUTE CONDUIT AROUND SIGN FOOTING

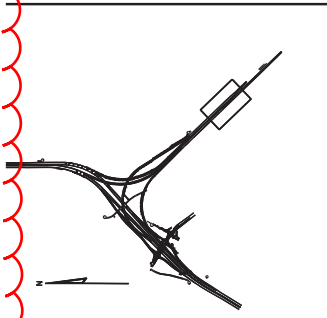
NOTE B:  
ROUTE CONDUIT AROUND BARRIER FOOTING

NOTE C:  
REFER TO AS-BUILT PLANS FOR PROJECT ID 1133-10-81 FOR EXISTING CONDUIT AND BASE LOCATIONS.

PROJECT NO: 1133-10-77  
 COUNTY: BROWN  
 HWY: USH 41  
 LIGHTING PLANS  
 SHEET 566  
 SHEET 6 OF 8

**Addendum No. 2**  
**IDs 1133-10-75 / 77**  
**Revised Sheet 566**  
**March 3, 2015**

LUMINAIRE CONVERSIONS  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D

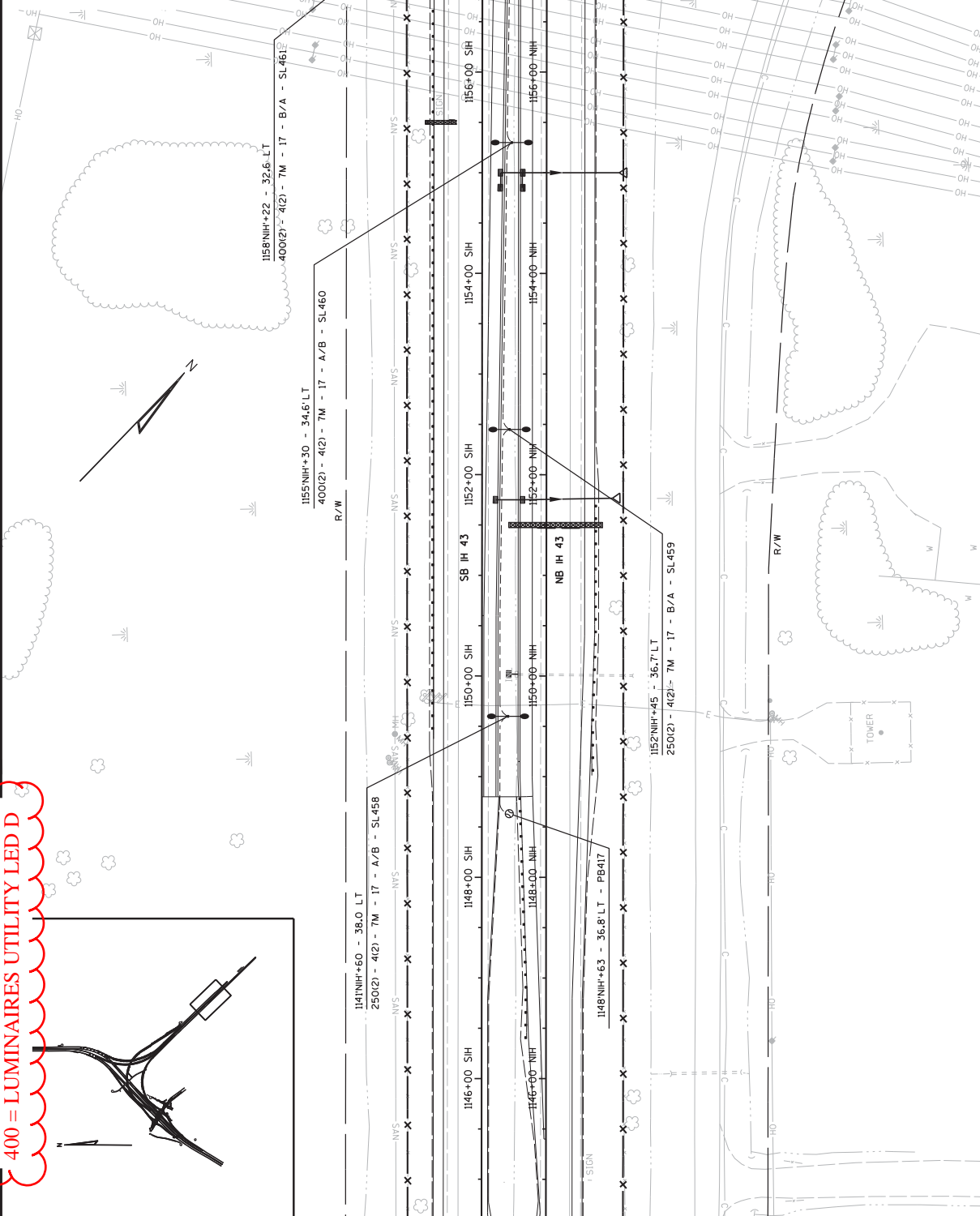


USH 41 & IH 43 SYSTEM INTERCHANGE  
 EAST LEG  
 HURLBUT COURT CUL DE SAC - 480V  
 VILLAGE OF HOWARD, BROWN COUNTY

LIGHTING NO. L05-0867  
 DESIGNER: KL ENGINEERING, INC.  
 DATE: 8-01-2014

SHEET 4 OF 11

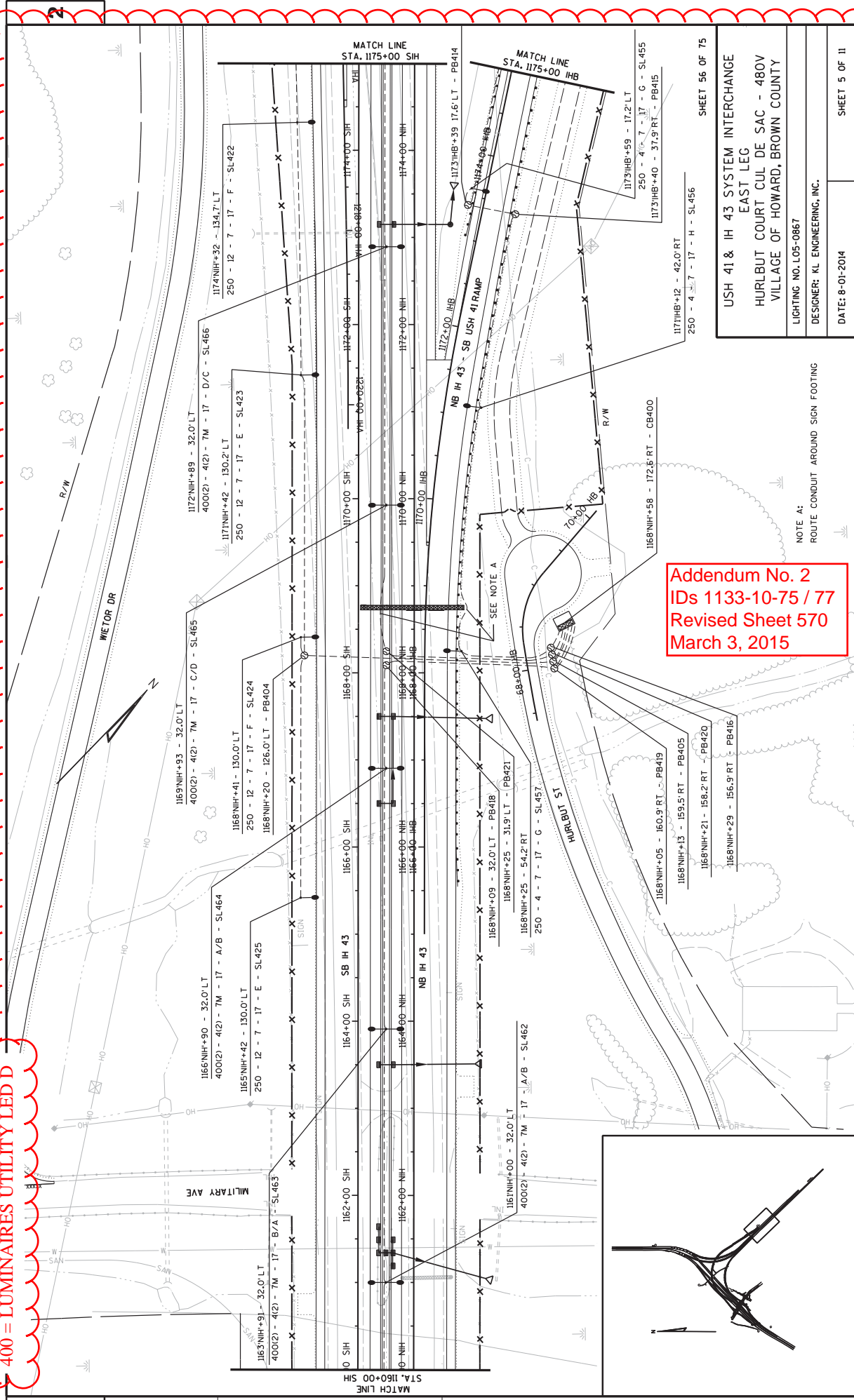
Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 568  
 March 3, 2015



PROJECT NO: 1133-10-77  
 COUNTY: BROWN  
 HWY: USH 41  
 SHEET 568  
 LIGHTING PLANS  
 SHEET 54 OF 75  
 E

FILE NAME: P:\INDO\INDO\30-239 BROWN COUNTY 023 133-10-77 SH 4 1133-10-77\INDO\PLAN SHEET 568\1133-10-77-568.dwg  
 PLOT DATE: 12/2/2014  
 PLOT NAME: KL\_Eng\_L05-0867.dwg  
 PLOT SCALE: 1/8"=1'-0"

**LUMINAIRE CONVERSIONS**  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D



**Addendum No. 2**  
 IDs 1133-10-75 / 77  
 Revised Sheet 570  
 March 3, 2015

USH 41 & IH 43 SYSTEM INTERCHANGE  
 EAST LEG  
 HURLBUT COURT CUL DE SAC - 480V  
 VILLAGE OF HOWARD, BROWN COUNTY  
 LIGHTING NO. L05-0867  
 DESIGNER: KL ENGINEERING, INC.  
 DATE: 8-01-2014

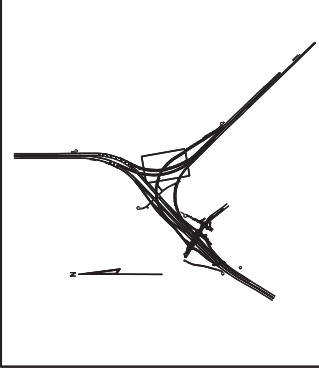
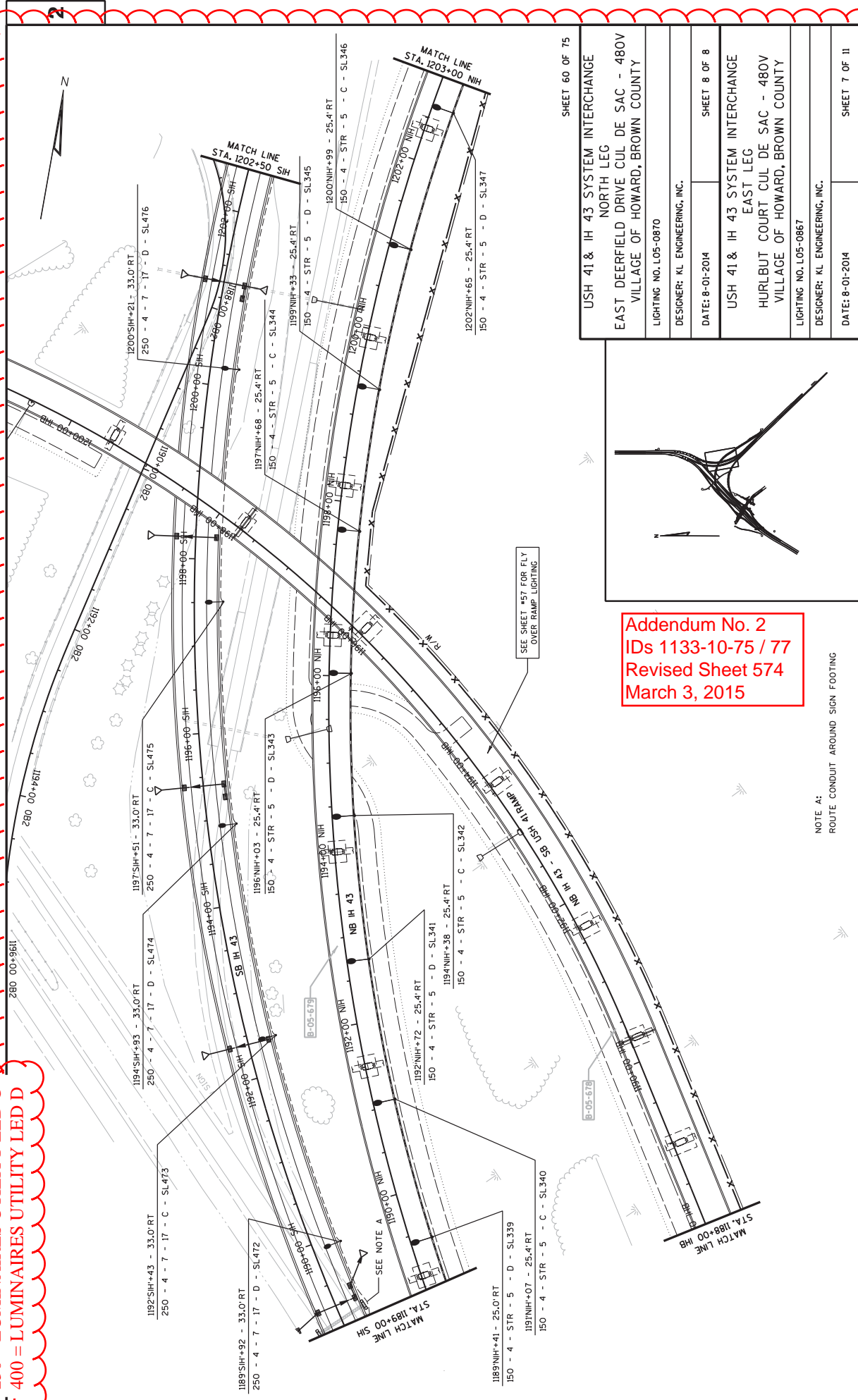
NOTE A:  
 ROUTE CONDUIT AROUND SIGN FOOTING

PROJECT NO: 1133-10-77	HWY: USH 41	COUNTY: BROWN	LIGHTING PLANS	SHEET 570	E
FILE NAME: F:\PROJECTS\1133-10-77 USH 41 IH 43 VILLAGE INTERCHANGE PLAN SHEET 570.DWG	DATE: 12/2/2013	PLOT DATE: 12/2/2013	PLOT NAME: KL_Engg_L05-0867.dwg	SCALE: 1"=40'-0"	SHEET 42





LUMINAIRE CONVERSIONS  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D



Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 574  
 March 3, 2015

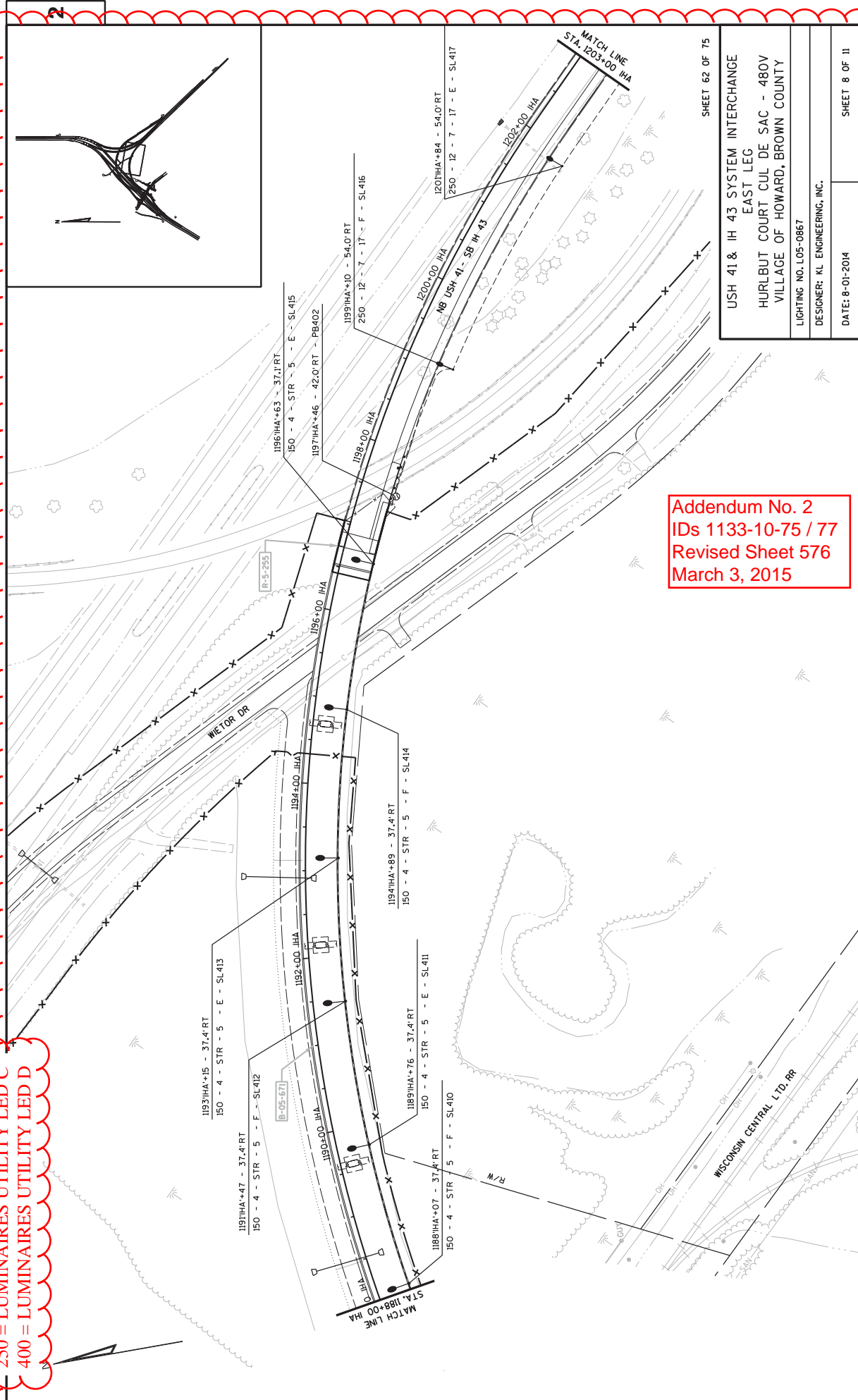
SEE SHEET #57 FOR FLY OVER RAMP LIGHTING

NOTE A:  
 ROUTE CONDUIT AROUND SIGN FOOTING

USH 41 & IH 43 SYSTEM INTERCHANGE NORTH LEG EAST DEERFIELD DRIVE CUL DE SAC - 480V VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L05-0870 DESIGNER: KL ENGINEERING, INC.	
DATE: 8-01-2014	SHEET 8 OF 8
USH 41 & IH 43 SYSTEM INTERCHANGE EAST LEG HURLBUT COURT CUL DE SAC - 480V VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L05-0867 DESIGNER: KL ENGINEERING, INC.	
DATE: 8-01-2014	SHEET 7 OF 11

PROJECT NO: 1133-10-77	HWY: USH 41	COUNTY: BROWN	LIGHTING PLANS	SHEET 574	E
FILE NAME : F:\PROJECTS\1133-10-77\1133-10-77_IH 43_VEL\PLAN SHEET\02314-113301_PLOT DATE: 12/2/2015 PLOT BY: KL Engineering, Inc. PLOT NAME: USH 41 & IH 43 SYSTEM INTERCHANGE NORTH LEG EAST LEG VILLAGE OF HOWARD, BROWN COUNTY LIGHTING NO. L05-0870 SHEET 8 OF 8					

**LUMINAIRE CONVERSIONS**  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D



**Addendum No. 2**  
 IDs 1133-10-75 / 77  
 Revised Sheet 576  
 March 3, 2015

SHEET 62 OF 75

USH 41 & IH 43 SYSTEM INTERCHANGE  
 EAST LEG  
 HURLBUT COURT CUL DE SAC - 480V  
 VILLAGE OF HOWARD, BROWN COUNTY

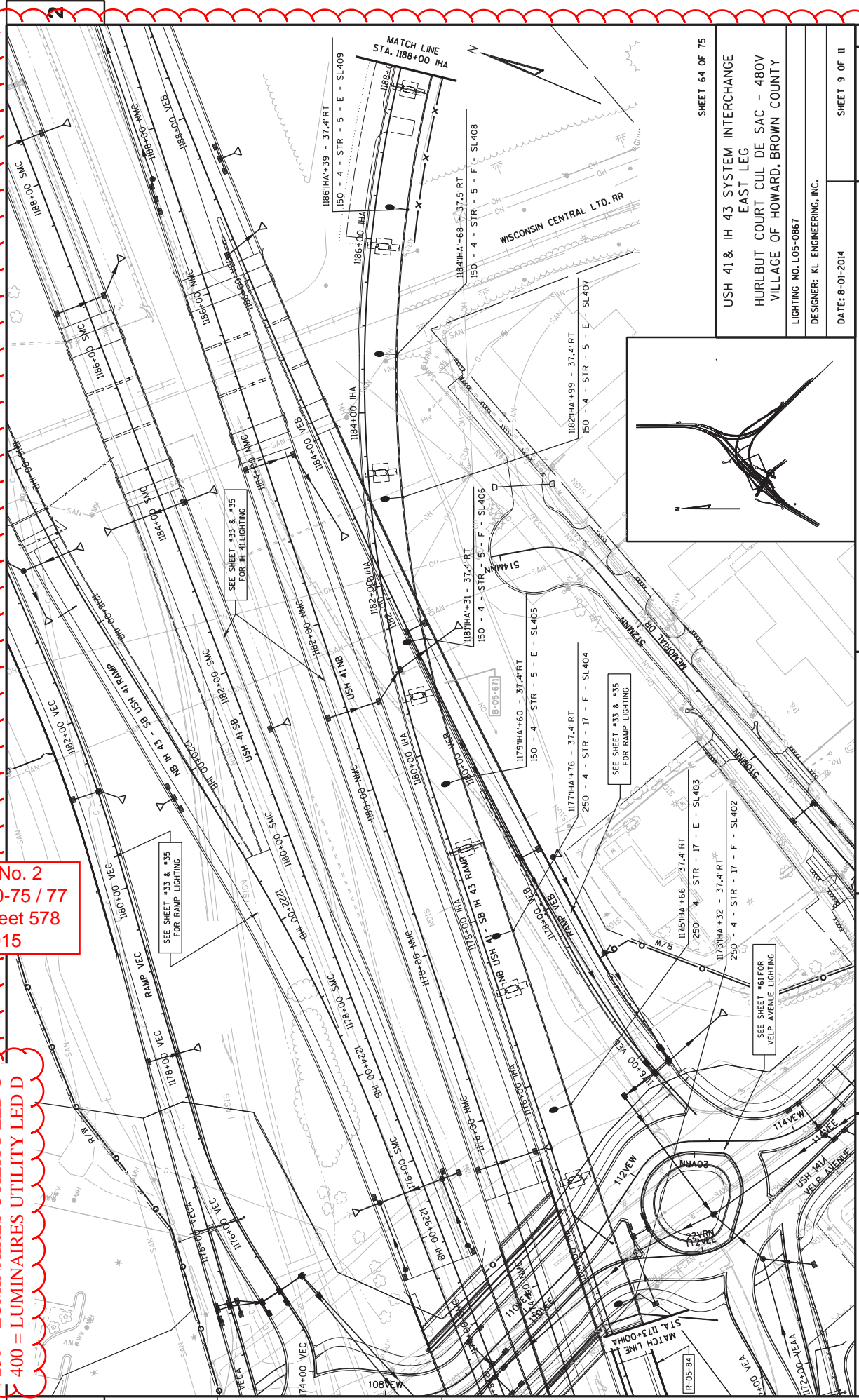
LIGHTING NO. L05-0867  
 DESIGNER: KL ENGINEERING, INC.  
 DATE: 8-01-2014

PROJECT NO: 1133-10-77  
 COUNTY: BROWN COUNTY  
 COUNTY: BROWN  
 HWY: USH 41  
 LIGHTING PLANS  
 SHEET 576  
 SHEET 8 OF 11

FILE NAME : F:\VPO\LINE\130-219\BROWN COUNTY\021\133-10-77\133\_VEL\INDOAN\PLAN SHEET\021\15-15-1001\_PLOT DATE: 12/19/2013  
 PLOT NAME : KL Eng\133-10-77  
 PLOT DATE: 12/19/2013  
 PLOT NAME : KL Eng\133-10-77  
 PLOT DATE: 12/19/2013

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 578  
March 3, 2015

LUMINAIRE CONVERSIONS  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D



SHEET 64 OF 75

USH 41 & IH 43 SYSTEM INTERCHANGE  
 EAST LEG  
 HURLBUT COURT CUL DE SAC - 480V  
 VILLAGE OF HOWARD, BROWN COUNTY

LIGHTING NO. L05-0867

DESIGNER: KL ENGINEERING, INC.

DATE: 8-01-2014

SHEET 9 OF 11

PROJECT NO: 1133-10-77

HWY: USH 41

COUNTY: BROWN

LIGHTING PLANS

SHEET 578

FILE NAME: G:\PROJECTS\1133-10-77\1133-10-77 USH 41 IH 43 VEC\PLAN\PLAN SHEET 578-1A.dwg

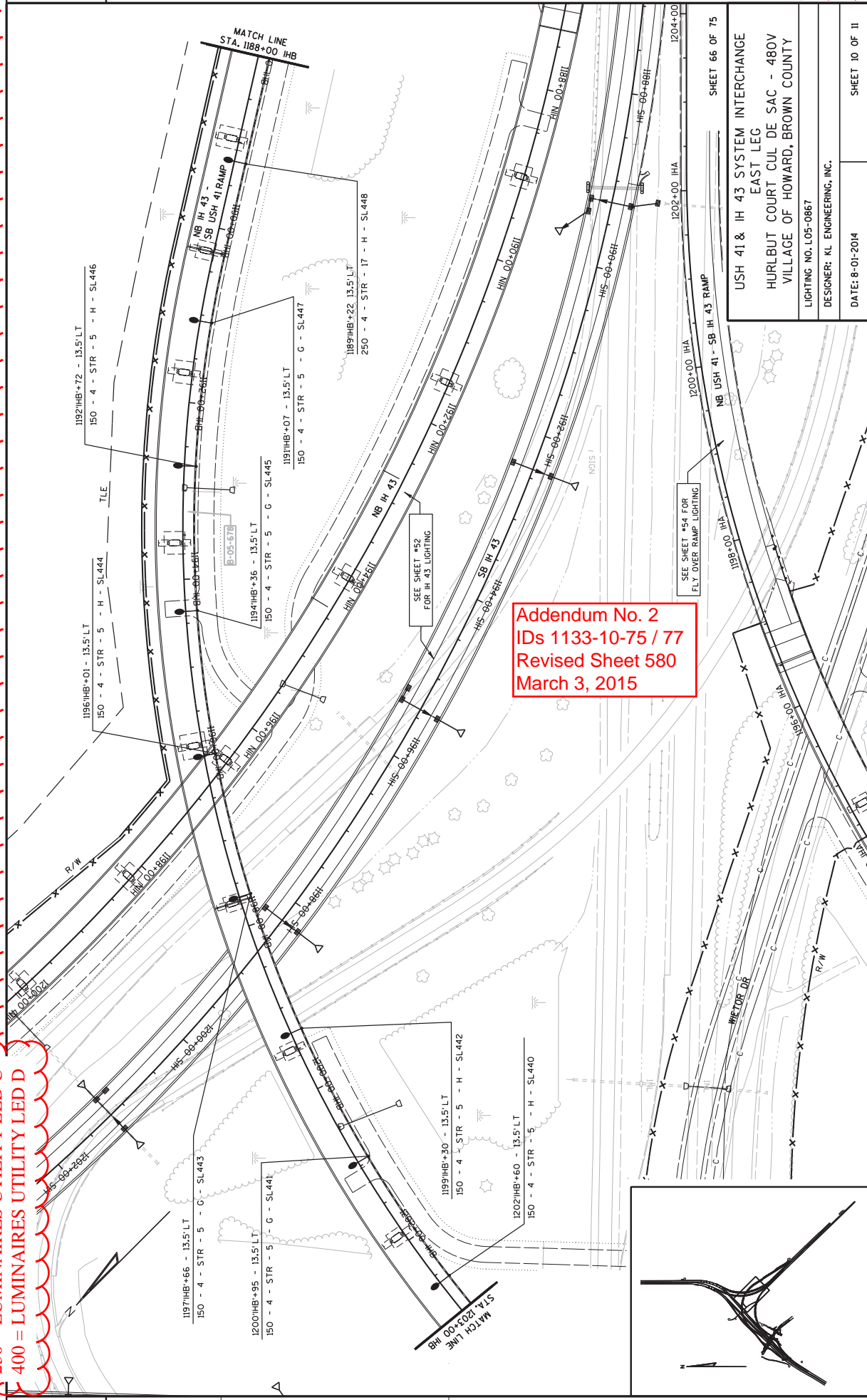
PLOT DATE: 12/15/2014

PLOT BY: KL Engineer, Inc.

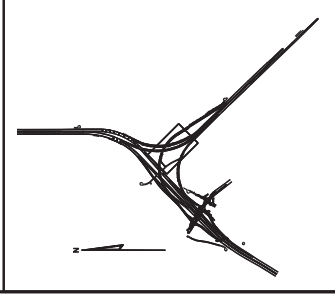
PLOT NAME: 1133-10-77 USH 41 IH 43 VEC\PLAN\PLAN SHEET 578-1A.dwg

SCALE: 1" = 40'

LUMINAIRE CONVERSIONS  
 150 = LUMINAIRES UTILITY LED A  
 250 = LUMINAIRES UTILITY LED C  
 400 = LUMINAIRES UTILITY LED D



Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 580  
 March 3, 2015

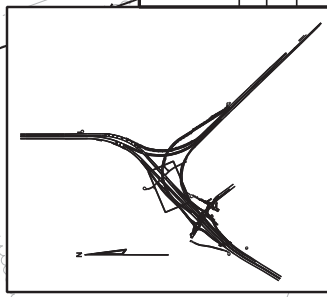
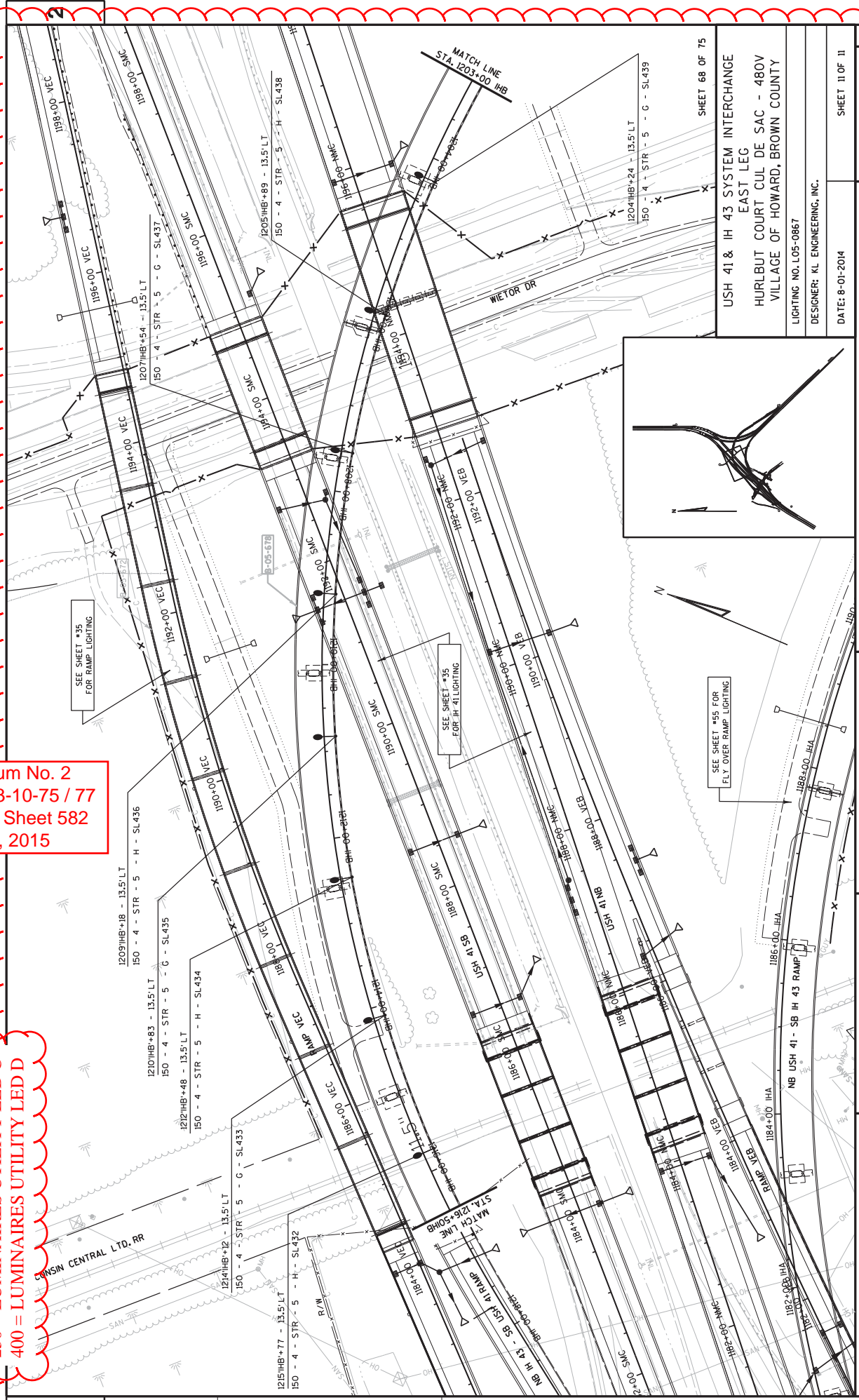


SHEET 66 OF 75  
 USH 41 & IH 43 SYSTEM INTERCHANGE  
 EAST LEG  
 HURLBUT COURT CUL DE SAC - 480V  
 VILLAGE OF HOWARD, BROWN COUNTY  
 LIGHTING NO. L05-0867  
 DESIGNER: KL ENGINEERING, INC.  
 DATE: 8-01-2014

PROJECT NO: 1133-10-77	COUNTY: BROWN	SHEET 580
HWY: USH 41	LIGHTING PLANS	SHEET 10 OF 11
FILE NAME: I:\PROJECTS\10-19-09\BROWN COUNTY\023-133-10-77\3-13-15\1133-10-77-3-13-15\USH PLAN SHEET 580.DWG	PLOT NAME: KL Eng.dwg	SCALE: 1"=40'
PLOT DATE: 12/19/2014	PLOT BY: KL Eng	SDO/CADD/SHEET 42

**Addendum No. 2**  
**IDs 1133-10-75 / 77**  
**Revised Sheet 582**  
**March 3, 2015**

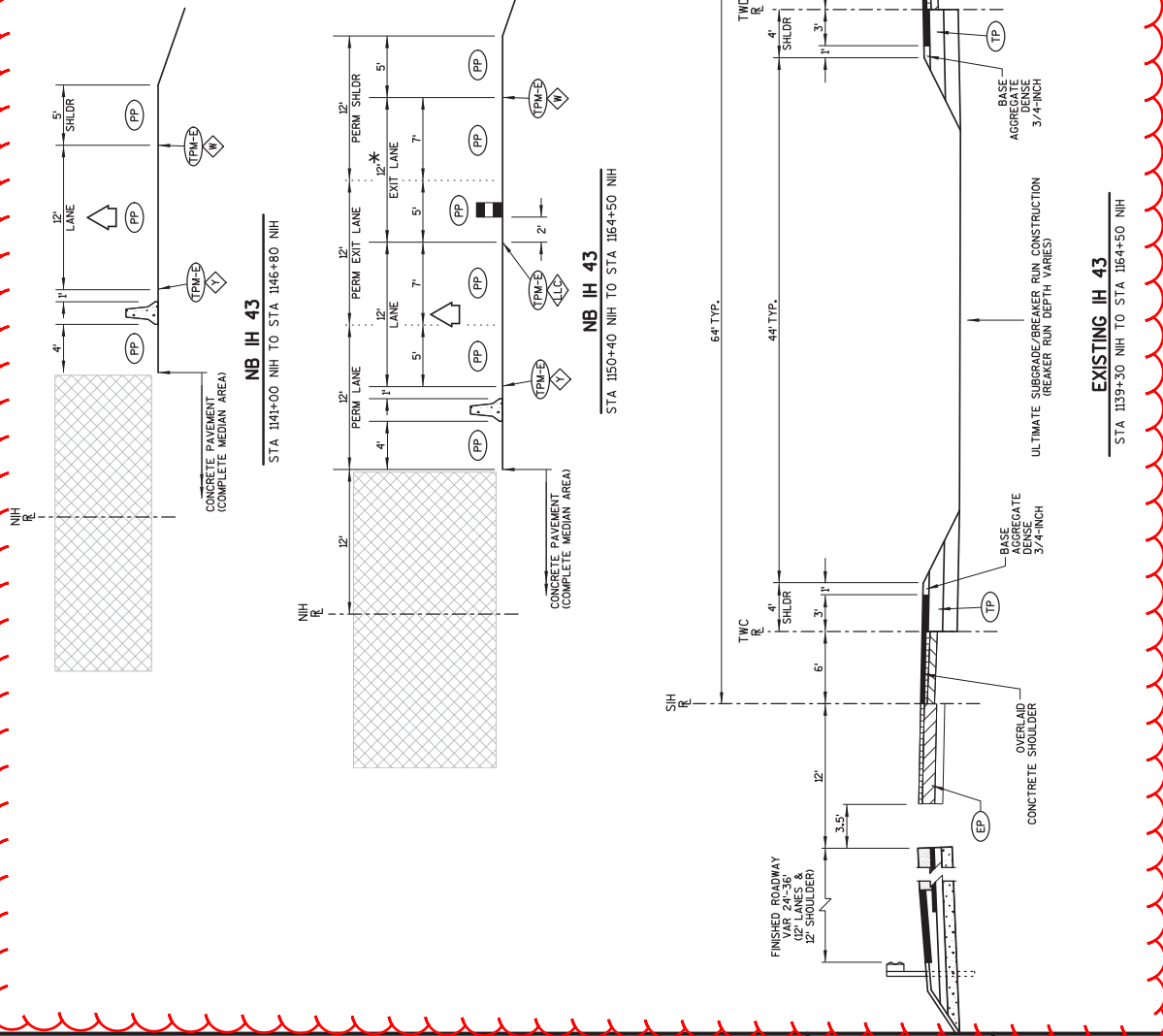
**LUMINAIRE CONVERSIONS**  
**150 = LUMINAIRES UTILITY LED A**  
**250 = LUMINAIRES UTILITY LED C**  
**400 = LUMINAIRES UTILITY LED D**



**PROJECT NO: 1133-10-77**  
**HWY: USH 41**  
**COUNTY: BROWN**  
**LIGHTING PLANS**  
**SHEET 582**  
**SHEET 11 OF 11**

**FILE NAME : F:\VIA\LINE\130-219\BROWN COUNTY\_025\_133-10-77\_USH 41\_IH 43\_VIA\PLAN\PLAN SHEET\1133-10-77\_001**  
**PLOT DATE : 12/9/2013**  
**PLOT NAME : KL Eng.Ltd.rvt**  
**DESIGNER: KL ENGINEERING, INC.**  
**DATE: 8-01-2014**  
**LIGHTING NO. L05-0867**  
**USH 41 & IH 43 SYSTEM INTERCHANGE**  
**EAST LEG**  
**HURLBUT COURT CUL DE SAC - 480V**  
**VILLAGE OF HOWARD, BROWN COUNTY**  
**SHEET 68 OF 75**  
**SCALE : 1/8" = 1'-0"**

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 697  
March 3, 2015



\* OPEN LANE TO BE RECLOSED AT STA 1159+00 NIH.

NOTE: STAGE 3 CONFIGURATION LEFT IN PLACE BY OTHERS UNDER PROJECT 1133-10-71.

EXISTING IH 43

STA 1139+30 NIH TO STA 1164+50 NIH

COUNTY: BROWN

HWY: USH 41

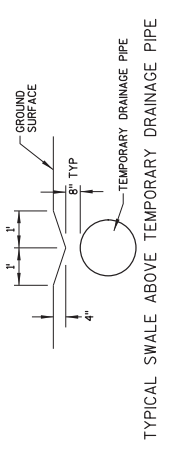
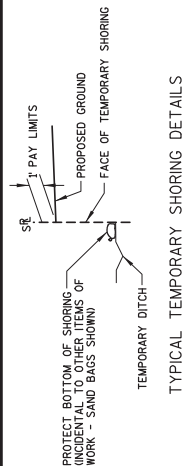
PROJECT NO: 1133-10-75, 77

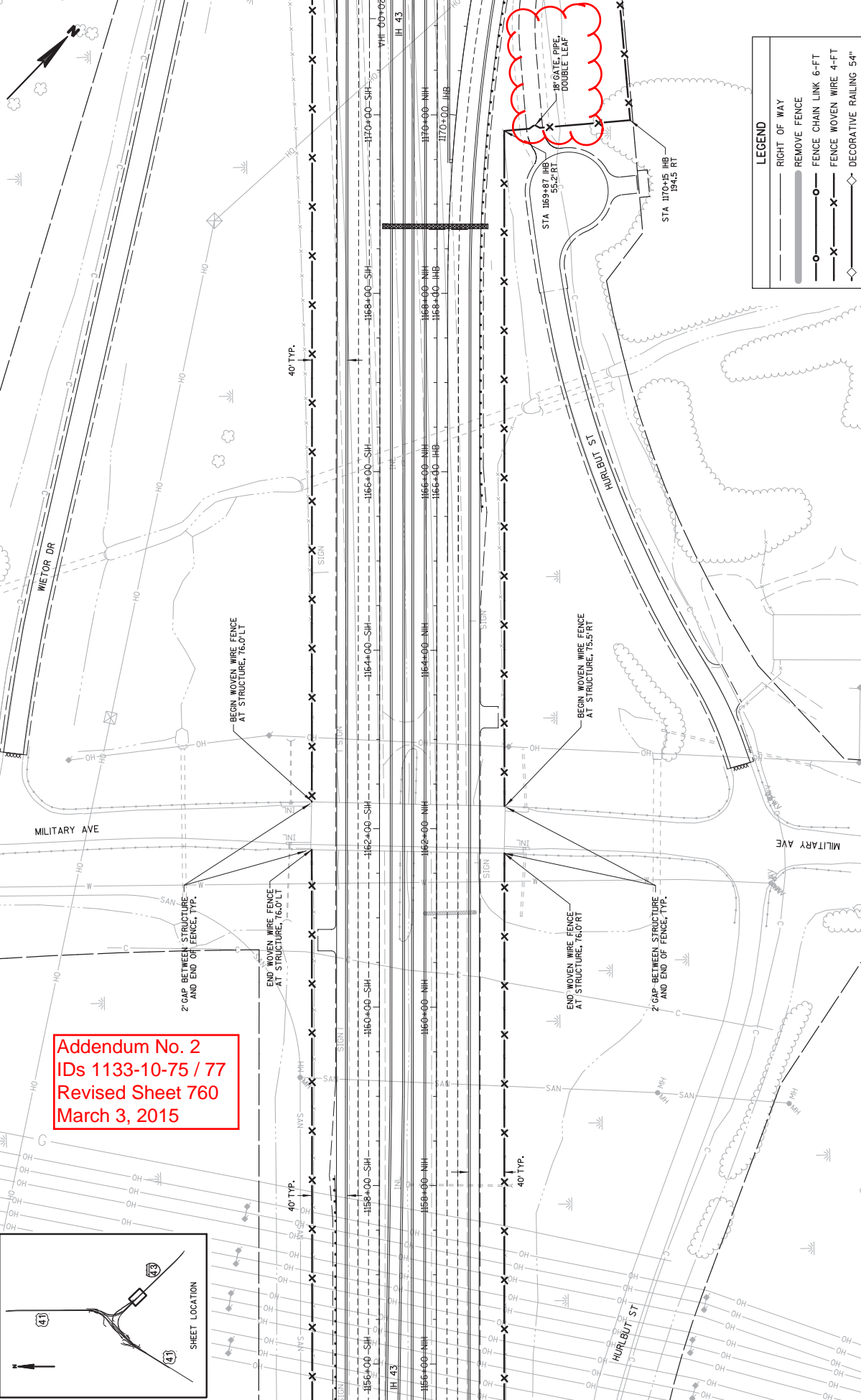
TRAFFIC CONTROL TYPICAL SECTIONS - STAGE 3

SHEET 697

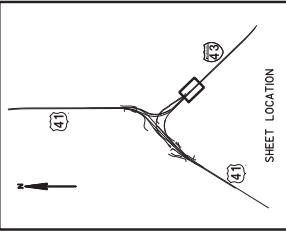
LEGEND

- WORK ZONE
- TRAFFIC DIRECTION
- CONCRETE BARRIER TEMPORARY PRECAST
- BARRIER ANCHORED
- TRAFFIC CONTROL DRUMS
- EXISTING OR PROPOSED CONCRETE BARRIER, PARAPET, OR GUARDRAIL
- TEMPORARY DRAINAGE PIPE (SIZE)
- CONSTRUCT TO PROPOSED CONCRETE PAVEMENT JOINT
- EXISTING PAVEMENT WITH ASPHALT (EXISTING TRAVEL LANES) - SEE TYPICAL EXISTING SECTIONS
- PROPOSED PAVEMENT - SEE TYPICAL FINISHED SECTIONS
- EXISTING TEMPORARY PAVEMENT OVER ASPHALTIC SURFACE TEMPORARY OVER 12" BASE AGGREGATE DENSE 1 1/4-INCH OVER 12" BREAKER RUN
- BASE AGGREGATE DENSE 3/4-INCH (SHOULDERS)
- SAM CUT AT EDGE OF EXISTING TRAVEL LANE
- EXISTING PAVEMENT MARKING
- PROPOSED PAVEMENT MARKING - SEE PAVEMENT MARKING PLAN
- TEMPORARY PAVEMENT MARKING
- TEMPORARY PAVEMENT MARKING REMOVABLE TAPE
- TEMPORARY PAVEMENT MARKING (EPOXY)
- YELLOW EDGE LINE
- WHITE EDGE LINE
- WHITE LANE LINE SKIP-DASH (ASPHALT)
- WHITE LANE LINE SKIP-DASH (CONCRETE) - IF MARKING IS TEMPORARY, INCLUDE 2" BLACK REMOVABLE TAPE EVERY OTHER SKIP
- POINT REFERRED TO ON PROFILE

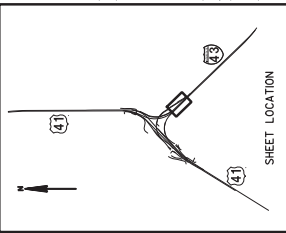
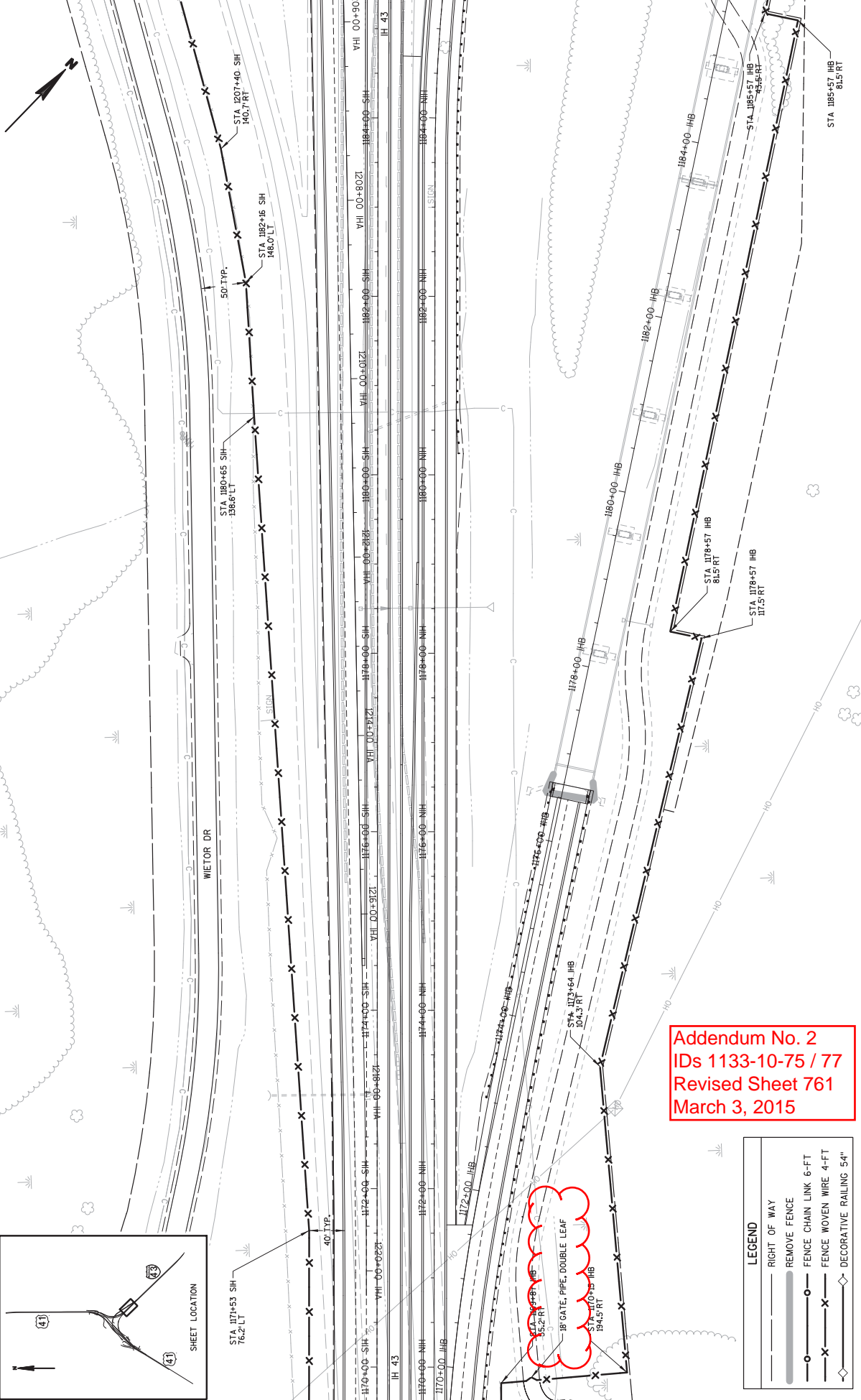


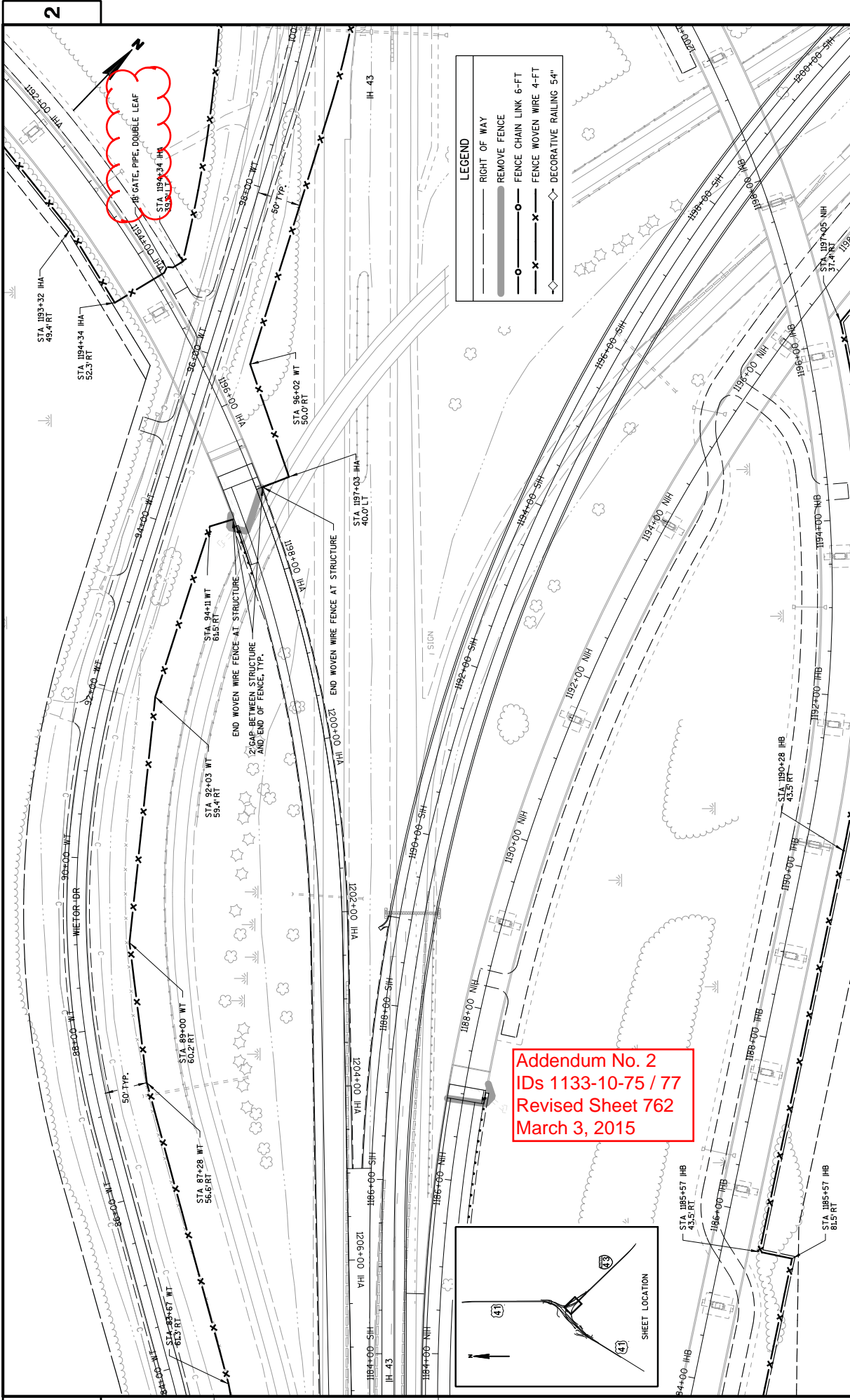


**Addendum No. 2**  
**IDs 1133-10-75 / 77**  
**Revised Sheet 760**  
**March 3, 2015**





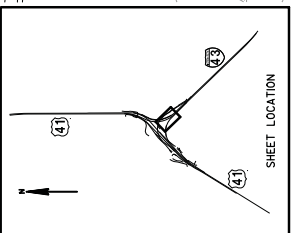




**LEGEND**

- RIGHT OF WAY
- - - REMOVE FENCE
- FENCE CHAIN LINK 6-FT
- X— FENCE MOVEN WIRE 4-FT
- ◇— DECORATIVE RAILING 54"

Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 762  
 March 3, 2015



2

2

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 846  
March 3, 2015

REMOVING PAVEMENTS

STATION	STATION	LOCATION	OFFSET	SY	REMOVING PAVEMENT ASPHALTIC SURFACE	SY	REMOVING ASPHALTIC SURFACE BUTT JOINTS	SY	REMOVING ASPHALTIC SURFACE MILLING	REMARKS
STAGE 3										
1141+50	1172+50	SMC	RT-LT	--						
1157+00	1171+25	VED	RT-LT	--						
1174+25	1192+85	SMC	RT-LT	--						
1175+25	1182+78	VEC-SMC	RT-LT	--						
1195+50	1212+20	SMC	LT	--						
1214+35	1249+00	SMC	LT	--						
1217+00	1224+00	SMC	RT-LT	--						
1125+00	1125+00	SIH	LT	--			3		400	
1125+00	1141+00	SIH	LT	--					2120	
1141+00	1168+00	NIH-SIH	LT-RT	--						
1168+00	1190+00	NIH-SIH	LT-RT	--						
1190+00	1199+00	SIH-SMC	LT	--						EXISTING NB 43 LOOP RAMP TO SB 41
1190+00	1214+70	SIH	LT-RT	--						EXISTING NB 43 RAMP TO NB 41
1200+00	29+25	BP2	LT-RT	--						EXISTING SB 41 LOOP RAMP TO SB 43
1178+00	1184+68	NNC	LT	--						
1185+85	1192+75	NNC	LT	--						
1195+30	1213+20	NNC	LT	--						
1138+00	1144+75	TWB		--						
1168+50	1170+85	TD		--						
UNDISTRIBUTED					500					
STAGE 3 SUBTOTALS					500		3		2,520	
STAGE 4										
1140+00	1143+50	NNC	RT	--						
1141+50	1146+50	SMC	RT	--						
UNDISTRIBUTED					600					
STAGE 4 SUBTOTALS					600		0		0	
PROJECT 1133-10-77 TOTALS					1,100		3		2,520	

Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 848  
 March 3, 2015

REMOVING AND ABANDONING DRAINAGE ITEMS

203.0100 204.0220 204.0245.002 204.0245.003 204.0245.004 204.0245.005 204.0270  
 REMOVING REMOVING REMOVING REMOVING REMOVING ABANDONING  
 SMALL PIPE INLETS STORM SEWER PIPES  
 CULVERTS EACH LF (12-INCH) LF (18-INCH) LF (24-INCH) LF (36-INCH) EACH

STATION	LOCATION	OFFSET	REMOVING SMALL PIPE CULVERTS EACH	REMOVING INLETS EACH	LF (12-INCH)	LF (18-INCH)	LF (24-INCH)	LF (36-INCH)	REMARKS
1175+68	SMC	RT-LT	1	1	75				
1222+65 - 1228+73	SMC	RT	1	1	48				
1162+00 - 1163+25	SMC	RT-LT	1	1	25				
1182+58	SMC	RT	1	1	155				
1178+30 - 1181+80	SMC	RT	1	1	280				
1186+16 - 1186+27	SMC	RT	1	1	30				
1186+16 - 1186+25	SMC	LT	1	1	80				
1192+15	SMC	RT-LT	1	1	150				
1192+68 - 1195+85	SMC	RT	1	1	30				
1195+38 - 1195+66	SMC	LT	1	1	75				
1195+49 - 1198+28	SMC	RT	1	1					
1195+70 - 1198+03	SMC	LT	1	1					
1203+10	SMC	RT-LT	1	1	90				
1211+91 - 1212+08	SMC	LT	1	1	24				
1211+82 - 1212+37	SMC	RT	1	1	55				
1214+30 - 1214+48	SMC	LT	1	1	25				
1235+20	SMC	RT-LT	1	1	110				
1241+34	SMC	RT-LT	1	1	95				
1173+05	SIH	LT	1	1	90				
1196+00	SIH	RT-LT	1	1					24-INCH RCP
99+85	WT	RT-LT	2	2	230				
1201+20	SIH	RT-LT	1	1					24-INCH RCP
100+90 - 102+50	WT	RT	1	1					24-INCH RCP
103+40 - 105+00	WT	LT	1	1					18-INCH CMCP
<b>STAGE 3 SUBTOTALS</b>			<b>5</b>	<b>14</b>	<b>264</b>	<b>1,468</b>	<b>445</b>	<b>110</b>	<b>3</b>

STATION	LOCATION	OFFSET	REMOVING SMALL PIPE CULVERTS EACH	REMOVING INLETS EACH	LF (12-INCH)	LF (18-INCH)	LF (24-INCH)	LF (36-INCH)	REMARKS
1141+00 - 1145+00	NMC	LT	1	1	202				
1252+00 - 1256+50	NMC	LT	1	1	460				
108+50	WT	LT	1	1					18-INCH CMCP
109+75	WT	LT	1	1					18-INCH CMCP
111+80	WT	RT-LT	1	1					18-INCH CMCP
113+70	WT	RT-LT	1	1					18-INCH RCP
19+05	BP2	RT-LT	1	1	30				
21+18	BP2	RT	1	1					24-INCH RCP
21+36	BP2	RT-LT	1	1					24-INCH RCP
<b>STAGE 4 SUBTOTALS</b>			<b>8</b>	<b>1</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PROJECT 1133-10-77 TOTALS</b>			<b>13</b>	<b>15</b>	<b>294</b>	<b>445</b>	<b>110</b>	<b>110</b>	<b>3</b>

MISCELLANEOUS QUANTITIES

COUNTY: BROWN

HWY: USH 41

PROJECT NUMBER: 1133-10-77

SHEET NO: 848

E

Category	Stage	From/To Station	Location	Excavation Common (CY) (1) 205.0100			Excavation Marsh (CY) (5) 205.0400			Fill (CY) (8)	Select Borrow (CY) (9) 208,1100 Factor 1.15	Breaker Run (TON) (10) 311,0110	Drainage Blanket (CY) (11) SPV,0035,001	Granular Material for ES Fabric (CY) (12) SPV,0035,004	Roadway Embankment (CY) (13) SPV,0035,002	Mass Ordinate +/- (14)
				Cut (CY) (2)	EBS (CY) (3)	Drainage Blanket Cut (CY) (4)	General Marsh Excavation (CY) (6)	Marsh Excavation Median (CY) (7)	Marsh Excavation Cut (CY) (7)							
1000	3 & 4	7+85 - 28+22 BP1	Shared Use Path	2,293	0	0	0	0	1,898	0	0	0	0	0	1,898	395
	3 & 4	14+10 - 45+33 BP2	Shared Use Path	18,577	0	0	39,842	0	24,824	0	0	1,010	0	0	63,656	-45,080
	3 & 4	1138+00 - 1172+75 NMC	NB USH 41	992	0	0	0	0	11,578	0	0	0	0	0	11,578	-10,585
	3 & 4	1138+00 - 1249+00 SMC	SB USH 41	23,284	3,239	0	19,092	25,200	146,279	29,000	8,462	2,185	0	0	162,653	-139,369
	3	1141+00 - 1224+75 SIH	NB 41 - SB 41 loop ramp	49,783	0	0	64,588	0	85,787	0	0	11,517	9,302	0	121,137	3,869
	3	1146+75 - 1228+72 JIB	NB 43 - SB 41 loop ramp	1,094	0	0	0	0	10,463	0	0	0	0	0	10,463	-9,428
	3	1186+90 - 1216+50 IHA	NB 41 - SB 43 flyover ramp	193	0	0	0	0	20,015	0	0	0	0	0	20,015	-19,819
	3	1217+85 - 1219+50 OB1	Ohlliterate SB 41 - SB 43 loop ramp	2,927	0	0	1,493	0	0	0	0	0	0	0	0	2,851
	3	1188+50 - 1196+10 OB2	Ohlliterate NB 41 - SB 43 loop ramp	35,819	0	0	13,584	0	0	0	0	0	0	0	421	35,399
	3	1176+50 - 1204+30 VEC	SB 41 off-ramp to Vero Ave	49,783	0	3,147	44,636	0	74,819	0	0	10,248	0	0	108,647	100,627
	3	944+50 - 113+46 WT	Wileator Drive	28,147	0	0	0	0	3,491	0	0	0	0	0	3,491	26,656
Project 1133-10-77 Sub-Total				158,868	3,299	3,147	179,633	25,200	380,260	29,000	8,462	24,961	9,302	0	505,110	-352,368
<b>Project 1133-10-77 Total</b>				165,344			228,500									

- 1) Excavation Common = Cut + EBS Excavation + Drainage Blanket Cut. Item number 205.0100.
- 2) Cut volume includes concrete and asphaltic surface material.
- 3) EBS Excavation to be backfilled with Breaker Run at field engineer's discretion.
- 4) Additional excavation necessary to install drainage blanket. Measured from bottom of drainage blanket to existing ground.
- 5) Excavation Marsh limits as identified in the cross sections. The material designated as Excavation Marsh is planned to be wasted offsite. Any areas designated as Excavation Marsh in the plans will be paid for as Excavation Marsh, regardless of the type of material encountered. Additionally, if the contractor's operations allow for the marsh excavation to be used as fill onsite, then its excavation will be paid as Excavation Marsh. Unless otherwise specified in plans, all General Marsh Excavation is assumed to be backfilled with Roadway Embankment.
- 6) Material excavated as Marsh Excavation from Median North of Duck Creek and backfilled with Select Borrow. (see construction details) (Not shown in Computer Earthwork Tables).
- 7) Portion of material excavated as Marsh Excavation, but not to be backfilled. (see construction details).
- 8) Measured from existing ground to top of proposed fill.
- 9) To be used north of Duck Creek to backfill poor soil in the existing medians. Used at the field engineer's discretion.
- 10) Used at field engineer's discretion to backfill EBS.
- 11) Volume occupied by drainage blanket has been removed from Roadway Embankment quantity.
- 12) Granular Material for ES Fabric necessary to protect Geotextile Fabric. See Geotextile Map for further details.
- 13) Roadway Embankment = (Drainage Blanket Cut + General Marsh Excavation - Marsh Excavation Cut) + Fill - Drainage Blanket - Granular Material for ES Fabric
- 14) The Mass Ordinate: A positive quantity indicates an excess of material within the project and a negative quantity indicates a shortage of material within the project. Structure Excavation is not included in this calculation. Mass Ordinate = (Cut + Drainage Blanket Cut) - Roadway Embankment - Granular Material for ES Fabric. The Mass Ordinate is for information purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes and does not guarantee the quality of Common Excavation, and if it can be reused onsite.

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 849  
March 3, 2015

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 869  
March 3, 2015

FENCING

STATION	OFFSET	LOCATION	616.0100 FENCE WOVEN WIRE 4-FT	616.0206 FENCE CHAIN LINK 6-FT	616.0329.S.001 GATES CHAIN LINK 18-FT	616.0405 FENCE CHAIN LINK 6-FT	616.0600.013 GATES PIPE 18-FT	616.0900.010 FENCE CHAIN LINK 4-FT	616.0700.S LF
1171+34	LT	VED	23						
1173+60	LT	VEDA		30					
1172+30	LT	NMC						20	
1174+40	LT	NMC						30	
1173+75	LT	NMC	900		1				
1175+09	RT	VEB	320						
1141+50	NIH	NIH	2022						
1143+70	SIH	SIH	1810						
1162+25	RT	NIH	760						
1162+30	LT-RT	SH-IHA	3180						
<b>STAGE 3 SUBTOTALS</b>			<b>7,772</b>	<b>1,243</b>	<b>1</b>	<b>30</b>	<b>0</b>	<b>50</b>	<b>0</b>

STAGE 4

STATION	OFFSET	LOCATION	621.0100 LANDMARK REFERENCE MONUMENTS	621.0100 SPV.0060.010 SECTION SURVEY MONUMENTS, RECONST PROJECT EACH
1185+77	LT	VEC		
1193+27	LT	SMC-VEC		
1192+84	LT	NMC-SMC		1
1186+01	RT	IHA		
1194+34	RT-LT	IHA		1
1194+34	LT-RT	IHA-NMC		
1197+03	LT-RT	IHA-NMC		1
1195+56	LT-RT	NMC-SMC		
1194+89	LT-RT	SMC-VEC		
1194+84	LT-RT	VEC-BP2		525
14+25	RT-LT	BP2-VEC		1250
1215+60	RT	NMC		1340
1169+87	RT	IHB-NIH		4500
7+97	RT	BP1		16+28
40+00	LT	BP2-VEC		215
<b>STAGE 4 SUBTOTALS</b>			<b>11,475</b>	<b>0</b>
<b>PROJECT 1133-10-77 TOTALS</b>			<b>19,247</b>	<b>1,243</b>

FENCE SAFETY

STAGE	LOCATION	616.0700.S LF
3	BEHIND SIDEWALK, WB VELP AVE	200
3 & 4	VELP AVE SIDEWALK	50
ALL	UNDISTRIBUTED	250
<b>PROJECT TOTAL</b>		<b>500</b>

SURVEY MONUMENT ITEMS

STAGE 4	ROADWAY	LOCATION	OFFSET	EACH	PROJECT
	US 41 SB (SMC)	1186+93	65' LT	4	1
	WIETOR DR. (WT)	108+88	78' LT	4	1
	IH 43 (SH)	1196+23	11' RT	4	1
	W. DEERFIELD (WDR)	24+84	46' RT	4	1
	W. DEERFIELD (WDR)	32+33	65' RT	4	1
<b>PROJECT 1133-10-77 TOTALS</b>				<b>20</b>	<b>5</b>

TRAFFIC CONTROL SIGNS FIXED MESSAGE

Table with columns: STAGES 3 & 4, ROADWAY, MESSAGE, SIZE, LOCATION, SF. Includes rows for USH 41, I-43, AND RAMPS and USH 41, SOUTH OF SHAWANO AVE.

PROJECT 1133-10-77 TOTALS

\*ADDITIONAL QUANTITY SHOWN ELSEWHERE

REMOVING PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS

Table with columns: REMOVING PAVEMENT MARKINGS, WHITE TAPE 4-INCH, YELLOW TAPE 4-INCH, WHITE TAPE 8-INCH, ARROWS REMOVABLE, WORDS REMOVABLE, STATION, LOCATION, LF, SF. Includes sub-totals for STAGE 3 and STAGE 4.

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 894  
March 3, 2015

SHARED USE PATH SIGNING AND POSTS

Table with columns: SIGN NO., STATION, SIGN CODE, SIZE, EACH, WOOD, POSTS, 634.0612\*, 637.2210\*, 637.2230\*, 4X4-INCH X 12-FT, 4X6-INCH X 12-FT, REFLECTIVE H, REFLECTIVE F, SF. Includes sub-totals for STAGE 5 and PROJECT 1133-10-77 TOTALS.

STORM DRAIN INLET MARKING

Table with columns: LOCATION, EACH\*, TOTAL, COMMENTS. Includes rows for ORANGE LAINE - GLORY ROAD, GLORY ROAD - NINTH STREET, NINTH STREET - MEMORIAL DR/WIS 29, MEMORIAL DR/WIS 29 - DUCK CREEK, DUCK CREEK - LINEVILLE ROAD.

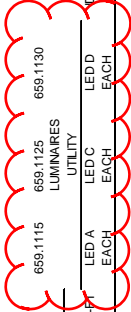
PROJECT 1133-10-77 TOTALS

\*FOR INFORMATION ONLY, NOT FOR BIDDING  
\*\*INCLUDES MARKING SCUPPER LOCATIONS

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 918  
March 3, 2015

FREEWAY LIGHTING

LIGHT NUMBER	STATION	OFFSET	RL	657.0322*		657.0337		657.0605		657.0620		657.0730		659.1115		659.1125		659.1130		659.0602*		
				TYPE 5 ALUMINUM EACH	POLES	TYPE 17 ALUMINUM EACH	SINGLE MEMBER 4 1/2-INCH CLAMP 4FT EACH	SINGLE MEMBER 6-INCH CLAMP 4FT EACH	LUMINAIRE ARMS 6-INCH CLAMP 4FT EACH	TRUSS TYPE 6-INCH CLAMP 4FT EACH	LED A EACH	LED C EACH	UTILITY LUMINAIRES EACH	LED D EACH	SEQUENCE IDENTIFICATION EACH	PLAQUES SEQUENCE IDENTIFICATION EACH	ELECTRICAL WIRE LIGHTING 12 AWG LF					
EXSL 139	1165NMC+28	30.2'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
EXSL 140	1167NMC+95	30.1'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SL 141	1140NMC+65	30.2'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300	
SL 142	1143NMC+88	30.3'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330	
SL 143	1147NMC+14	30.3'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330	
SL 144	1150NMC+35	30.3'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330	
SL 145	1153NMC+43	30.2'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330	
SL 146	1156NMC+52	30.2'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330	
SL 200	1159NMC+49	30.2'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330	
SL 201	1162NMC+49	30.2'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330	
SL 202	1165NMC+49	30.2'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330	
SL 203	1168NMC+49	30.2'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330	
SL 204	1171NMC+51	33.6'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	348	
SL 205	1174NMC+68	41.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	348	
SL 206	1177NMC+44	33.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 207	1177SMC+60	35.6'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 208	1180NMC+45	33.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 209	1180SMC+61	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 210	1183NMC+42	33.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 211	1183SMC+60	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 212	1186NMC+43	33.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 213	1186SMC+42	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 214	1189NMC+89	33.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 215	1188SMC+84	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 216	1193NMC+52	26.4'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 217	1191SMC+35	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 218	1195NMC+98	33.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 219	1193SMC+76	26.8'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 220	1198NMC+49	33.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 221	1197SMC+01	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 222	1200NMC+96	33.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 223	1200SMC+11	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 224	1203SMC+92	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 225	1207SMC+89	32.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	174	
SL 226	1155NMC+02	126.5'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 227	1158VED+14	34.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 228	1161VED+12	34.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 229	1163VED+15	35.4'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 230	1165VED+84	39.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 231	1168VED+05	39.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 232	1170VED+28	41.7'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 233	1142NMC+41	66.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 234	1145HA+53	42.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 235	1148HA+75	42.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 236	1151HA+91	42.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 237	1154HA+94	42.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 238	1157HA+85	42.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 239	1160VEA+48	24.4'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 240	1162VEA+67	24.4'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 241	1165VEA+21	24.4'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 242	1167VEA+42	27.8'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 243	1169VEA+47	36.5'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150	
SL 244	1176VEB+76	15.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	120	
SL 245	1179VEB+34	30.0'	RT	1	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	120	
SL 246	1181VEB+49	30.0'	RT	1	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	120	
SUBTOTALS				2	51	2	39	24	0	21	48	65	10536									





Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 919  
March 3, 2015

FREEWAY LIGHTING

LIGHT NUMBER	STATION	OFFSET	RL	657.0322* POLES		657.0337 ALUMINUM		657.0605 SINGLE MEMBER		657.0620 LUMINAIRE ARMS		657.0730 TRUSS TYPE		659.1115 LED A		659.1125 LED C		659.1130 LED D		659.0802* PLAQUES		655.0610* ELECTRICAL WIRE	
				TYPE 5	ALUMINUM	TYPE 17	ALUMINUM	4 1/2-INCH CLAMP	4-FT EACH	6-INCH CLAMP	4-FT EACH	6-INCH CLAMP	4-FT EACH	6-INCH CLAMP	12-FT EACH	LED A	LED C	LED D	SEQUENCE IDENTIFICATION	SEQUENCE IDENTIFICATION	12-AWG	LF	
SUBTOTALS FROM PREVIOUS SHEET																							
SL 247	1183VEB+62	33.0	RT	1	--	51	--	1	--	24	--	21	--	48	--	65	--	1	--	120	10536		
SL 248	1185VEB+61	24.5	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	150			
SL 249	1188VEB+18	30.0	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 250	1192NMC+69	55.0	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	150			
SL 300	1180VEC+05	33.4	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 301	1183VEC+51	33.4	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 302	1186VEC+92	33.4	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 303	1190VEC+00	33.4	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 304	1193VEC+00	33.4	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 305	1186VEC+02	39.0	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 306	1189VEC+13	39.0	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 307	1202SMC+24	82.3	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 308	1205SMC+94	60.0	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 309	1210SMC+37	67.0	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 310	1212SMC+68	63.0	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 311	1215SMC+33	62.9	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 312	1218SMC+82	67.0	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 313	1221SMC+94	67.0	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 314	1226NMC+20	128.0	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 315	1203NMC+44	27.4	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 316	1205NMC+84	27.3	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 317	1208NMC+24	27.5	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 318	1210NMC+57	27.4	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 319	1211SMC+42	67.3	RT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 320	1214NMC+85	27.4	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 321	1214SMC+00	67.6	RT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 322	1219NMC+61	27.4	LT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 323	1216SMC+83	65.3	RT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	174			
SL 324	1222NMC+32	44.2	LT	--	--	1	--	--	--	--	--	1	--	--	--	2	--	--	--	348			
SL 325	1224NMC+94	32.3	LT	--	--	1	--	--	--	--	--	1	--	--	--	2	--	--	--	348			
SL 326	1228NMC+21	30.3	LT	--	--	1	--	--	--	--	--	2	--	--	--	2	--	--	--	330			
SL 327	1231NMC+19	30.3	LT	--	--	1	--	--	--	--	--	2	--	--	--	2	--	--	--	330			
SL 328	1234NMC+47	30.3	LT	--	--	1	--	--	--	--	--	2	--	--	--	2	--	--	--	330			
SL 329	1239NMC+79	30.1	LT	--	--	1	--	--	--	--	--	2	--	--	--	2	--	--	--	330			
LB 330	1241NMC+09	30.2	LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
LB 331	1244NMC+39	30.2	LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
LB 332	1247NMC+69	30.2	LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
LB 333	1250NMC+99	30.3	LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
LB 334	1254NMC+42	30.2	LT	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
SL 335	1181NH+32	30.0	RT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 336	1183NH+55	30.0	RT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 337	1185NH+81	30.0	RT	--	--	1	--	--	--	--	--	1	--	--	--	1	--	--	--	150			
SL 338	1187NH+76	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 339	1189NH+41	25.0	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 340	1191NH+07	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 341	1192NH+72	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 342	1194NH+38	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 343	1196NH+03	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 344	1197NH+68	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 345	1199NH+33	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 346	1200NH+89	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 347	1202NH+65	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 348	1203NH+30	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 349	1205NH+95	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SL 350	1207NH+61	25.4	RT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	120			
SUBTOTALS				17		86		17		60		44		13		72		121		19086			



FREEWAY LIGHTING

LIGHT NUMBER	STATION	OFFSET	R/L	657.0322*		657.0337		657.0605		657.0730		659.1115		659.1125		659.1130		659.0802*		655.0610*																						
				ALUMINUM	ALUMINUM	TYPE 17	ALUMINUM	SINGLE MEMBER	LUMINAIRE ARMS	TRUSS TYPE	LED A	LED C	LED D	LED D	LED C	LED D	LED C	LED D	LED C	LED D	PLAQUES	SEQUENCE IDENTIFICATION	ELECTRICAL WIRE LIGHTING	12 AWG LF																		
SUBTOTALS FROM PREVIOUS SHEET																						44	114	44	75	57	40	65	75	87	94	176	28838									
SL 451	1182	HB+42	13.5'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 452	1180	HB+07	13.5'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 453	1177	HB+72	13.5'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 454	1175	HB+62	18.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 455	1173	HB+59	17.2'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 456	1171	HB+12	42.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 457	1168	NIH+25	54.2'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 458	1141	NIH+60	38.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 459	1152	NIH+45	36.7'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 460	1155	NIH+30	34.6'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 461	1158	NIH+22	32.6'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 462	1161	NIH+00	32.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 463	1163	NIH+91	32.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 464	1166	NIH+90	32.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 465	1169	NIH+83	32.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 466	1172	NIH+68	32.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 467	1175	NIH+52	31.1'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 468	1178	NIH+89	26.3'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300																					
SL 469	1181	NIH+76	26.6'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 470	1184	SIH+65	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 471	1187	SIH+62	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 472	1189	SIH+92	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 473	1192	SIH+43	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 474	1194	SIH+93	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 475	1197	SIH+51	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 476	1200	SIH+21	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 477	1203	SIH+01	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 478	1205	SIH+68	33.0'	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 479	1208	SIH+17	31.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
SL 480	1210	SIH+93	31.0'	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150																					
PROJECT TOTALS				44	144	44	116	57	40	87	94	217	32960																													

\* ADDITIONAL QUANTITIES LISTED ELSEWHERE

Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 921  
 March 3, 2015

CABINET		STATION	OFFSET	R/L	SPV/0060.357		SPV/0060.363		656.0400.001		656.0400.002		656.0400.003	
NUMBER	DESCRIPTION				DOUBLE LIGHTING	LIGHTING CONTROL CABINET	LIGHTING CONTROL CABINET	FREEWAY	ELECTRICAL SERVICE	ELECTRICAL SERVICE	ELECTRICAL SERVICE	ELECTRICAL SERVICE	ELECTRICAL SERVICE	ELECTRICAL SERVICE
ALL ITEMS ARE CATEGORY 1100					CABINET BASE	FREEWAY	FREEWAY	FREEWAY	MAN LUGS ONLY	MAN LUGS ONLY	MAN LUGS ONLY	MAN LUGS ONLY	MAN LUGS ONLY	MAN LUGS ONLY
CB200	1175VEB+44	59.1'	RT	--	1	2	2	1	--	--	--	--	--	--
CB300	1225NMC+44	201.5'	RT	--	1	2	2	1	--	--	--	--	--	--
CB400	1168NIH+58	172.6'	RT	--	1	2	2	1	--	--	--	--	--	--
CATEGORY 1100 TOTALS					3	6	6	1	1	1	1	1	1	1
PROJECT TOTALS					3	6	6	1	1	1	1	1	1	1

VIBRATING WIRE PIEZOMETER  
INSTRUMENTATION SYSTEM, DELIVERED

FEATURE	STATION	O/S	SPV.0060.003 EACH
<b>STAGE 3</b>			
TOP OF EMBANKMENT, BEHIND ABUTMENT	32+10 BP2	2' LT	2
TOP OF EMBANKMENT, BEHIND ABUTMENT	34+60 BP2	2' LT	2
TOP OF EMBANKMENT, BEHIND ABUTMENT	1195+00 SMC	15' LT	1
TOP OF EMBANKMENT	1198+00 SMC	10' LT	2
TOP OF EMBANKMENT	1201+00 SMC	15' LT	1
TOP OF EMBANKMENT	1195+00 VEC	10' LT	1
TOP OF EMBANKMENT	1198+00 VEC	15' LT	2
TOP OF EMBANKMENT	1201+00 VEC	15' LT	1
<b>PROJECT 1133-10-71 TOTALS</b>			<b>12</b>

SETTLEMENT GAUGES

FEATURE	STATION	O/S	SPV.0060.004 EACH
<b>STAGE 3</b>			
TOP OF DRAINAGE BLANKET	32+10 BP2	5' LT	1
TOP OF DRAINAGE BLANKET	34+60 BP2	5' LT	1
TOP OF EMBANKMENT, BEHIND ABUTMENT	1195+00 SMC	15' LT	1
TOP OF EMBANKMENT	1198+00 SMC	10' LT	1
TOP OF EMBANKMENT	1201+00 SMC	15' LT	1
TOP OF EMBANKMENT	1221+50 SMC	65' LT	1
TOP OF EMBANKMENT	1195+00 VEC	10' LT	1
TOP OF EMBANKMENT	1198+00 VEC	15' LT	1
TOP OF EMBANKMENT	1201+00 VEC	15' LT	1
TOP OF EMBANKMENT	1204+00 VEC	30' LT	1
TOP OF EMBANKMENT	1207+00 VEC	15' LT	1
<b>PROJECT TOTAL 1133-10-77</b>			<b>11</b>

STRIP DRAINS

STATION	LOCATION	LF	SPV.0090.012 PRE-BORED STRIP DRAINS
23+50	- 26+50 BP2	21,422	--
1190+00	- 1196+00 SIH	--	50,268
1196+00	- 1204+00 SIH	--	116,924
1204+00	- 1210+00 SIH	--	61,457
1211+50	- 1212+50 SMC	11,853	3,951
1214+50	- 1215+00 SMC	5,623	5,623
1195+00	- 1206+00 VEC	282,197	--
<b>PROJECT 1133-10-77 TOTALS</b>			<b>321,096</b>
			<b>238,224</b>

GEOTECHNICAL INSTRUMENTATION

STAGE 1	LOCATION	LS	SPV.0105.004
<b>PROJECT TOTAL</b>			<b>1</b>

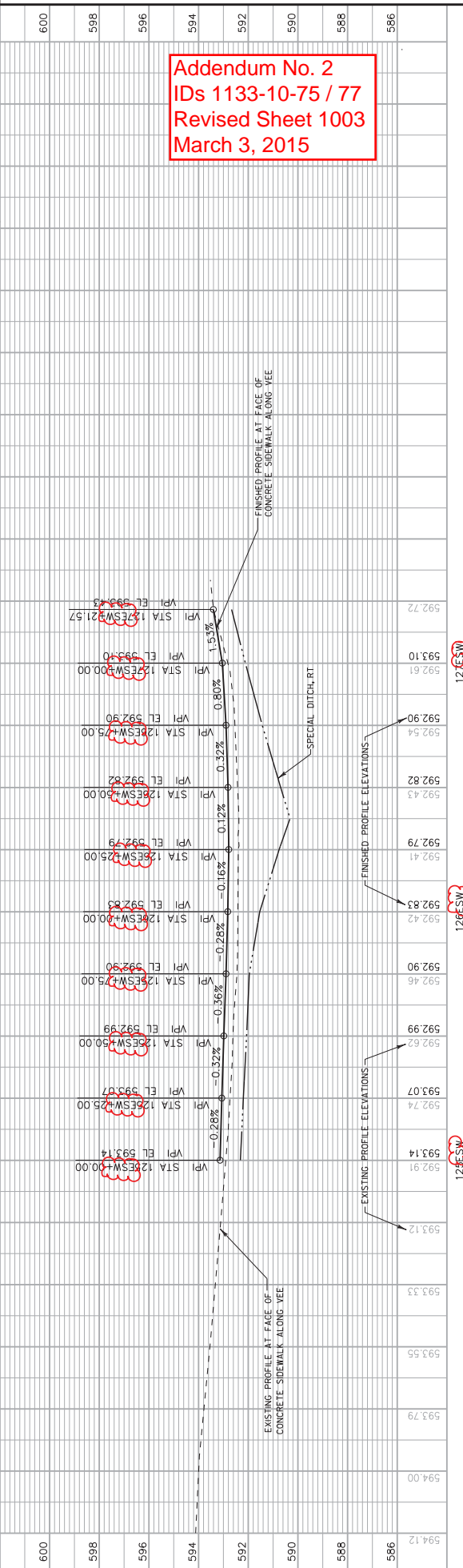
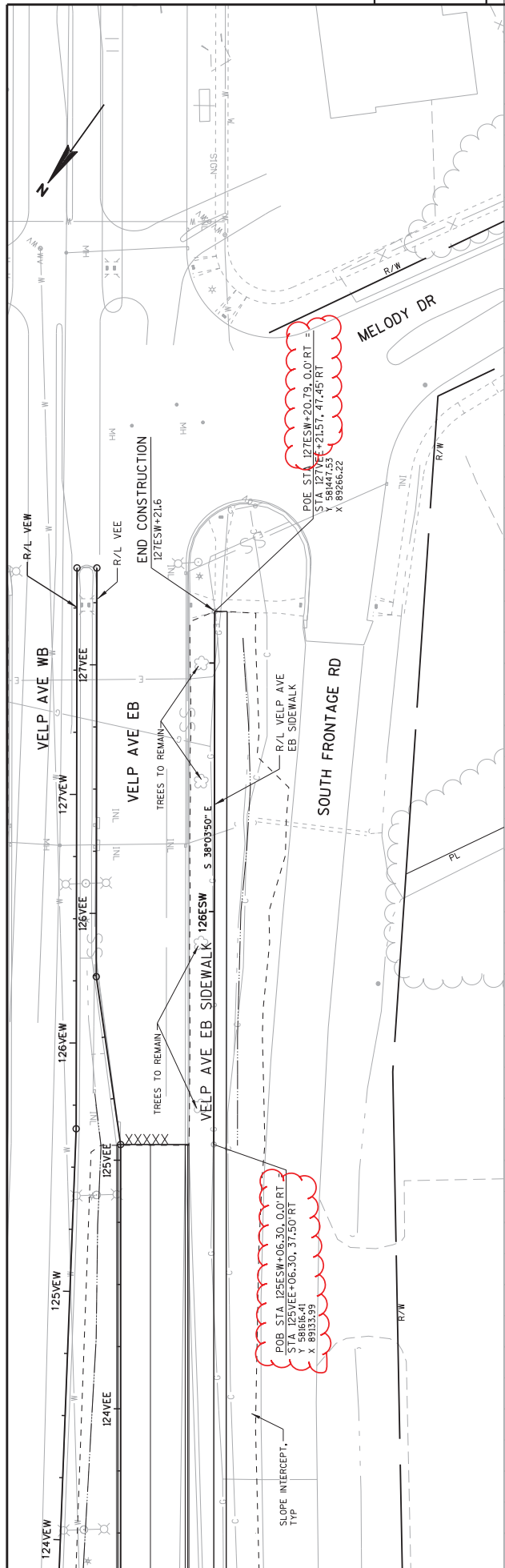
GEOGRID REINFORCEMENT

STAGE	LOCATION	SY	SPV.0180.009
3	UNDISTRIBUTED	2500	
4	UNDISTRIBUTED	2500	
<b>PROJECT TOTAL</b>			<b>5000</b>

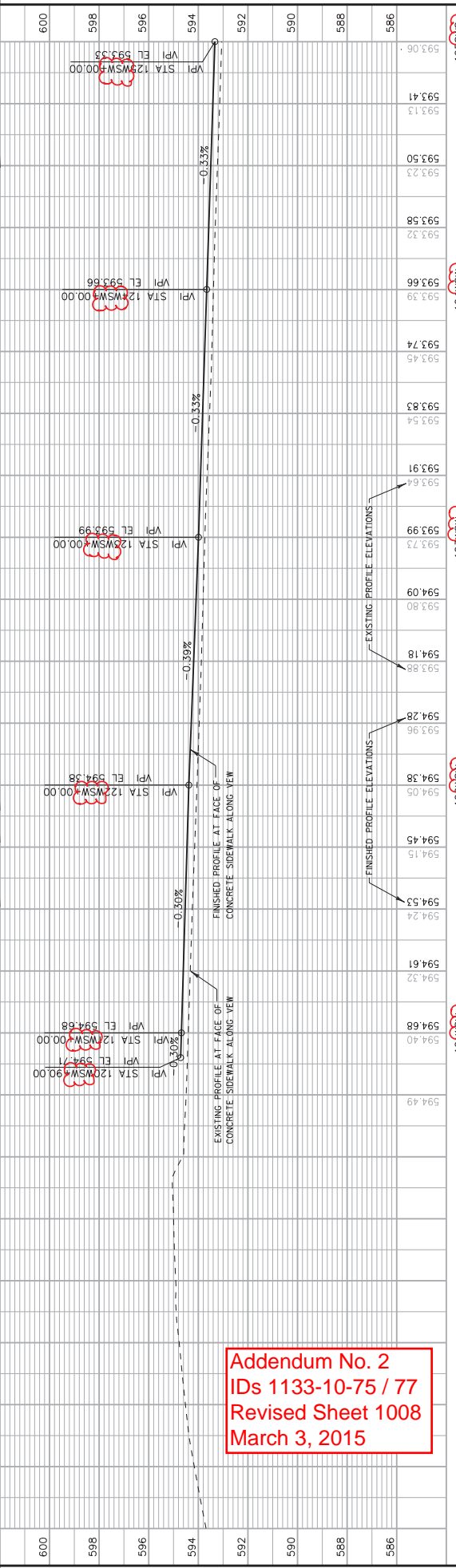
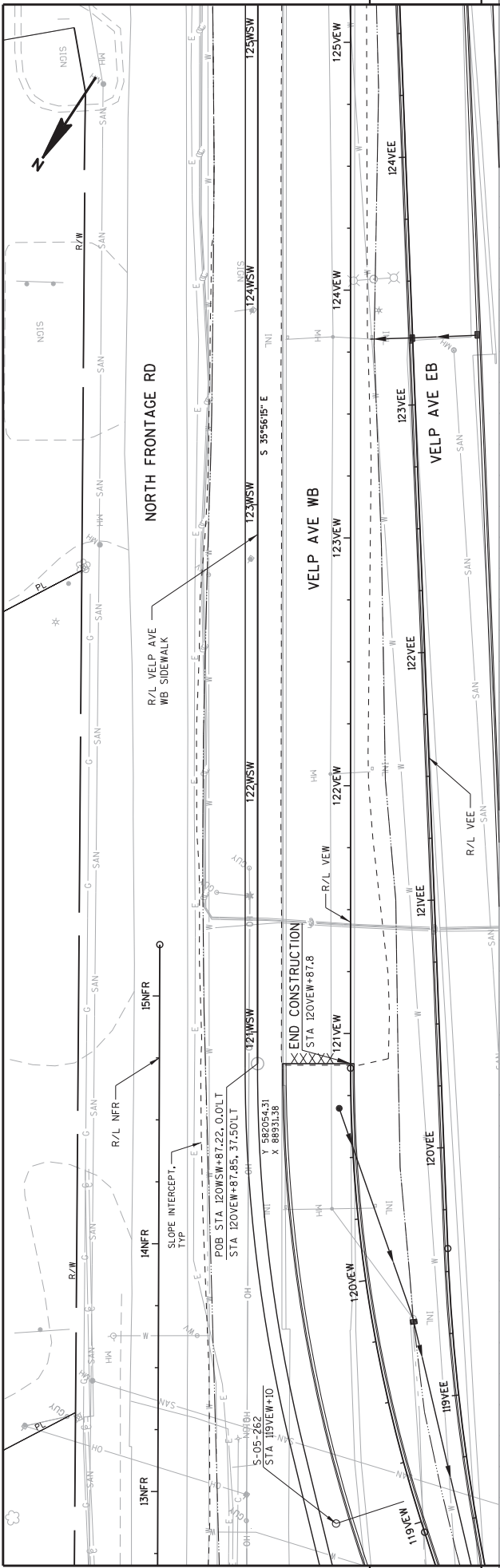
PLASTIC COVERING

LOCATION	LF	LF	LF	SY	SPV.0090.016 1 LAYER	SPV.0090.017 2 LAYERS	SPV.0090.018 CONCRETE CURB & GUTTER & BARRIER	SPV.0180.011 1 LAYER	SPV.0180.012 2 LAYERS	SPV.0180.013 CONCRETE PAVEMENT	SPV.0180.014 COLD WEATHER COVERING	SPV.0180.015 PLASTIC OR BLANKETS	SPV.0180.016 PLASTIC OR BLANKETS
UNDISTRIBUTED	2000	500	500	500	2000	500	500	10000	5000	5000	5000	5000	5000
<b>PROJECT 1133-10-77 TOTALS</b>	<b>2000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>2000</b>	<b>500</b>	<b>500</b>	<b>10000</b>	<b>5000</b>	<b>5000</b>	<b>5000</b>	<b>5000</b>	<b>5000</b>

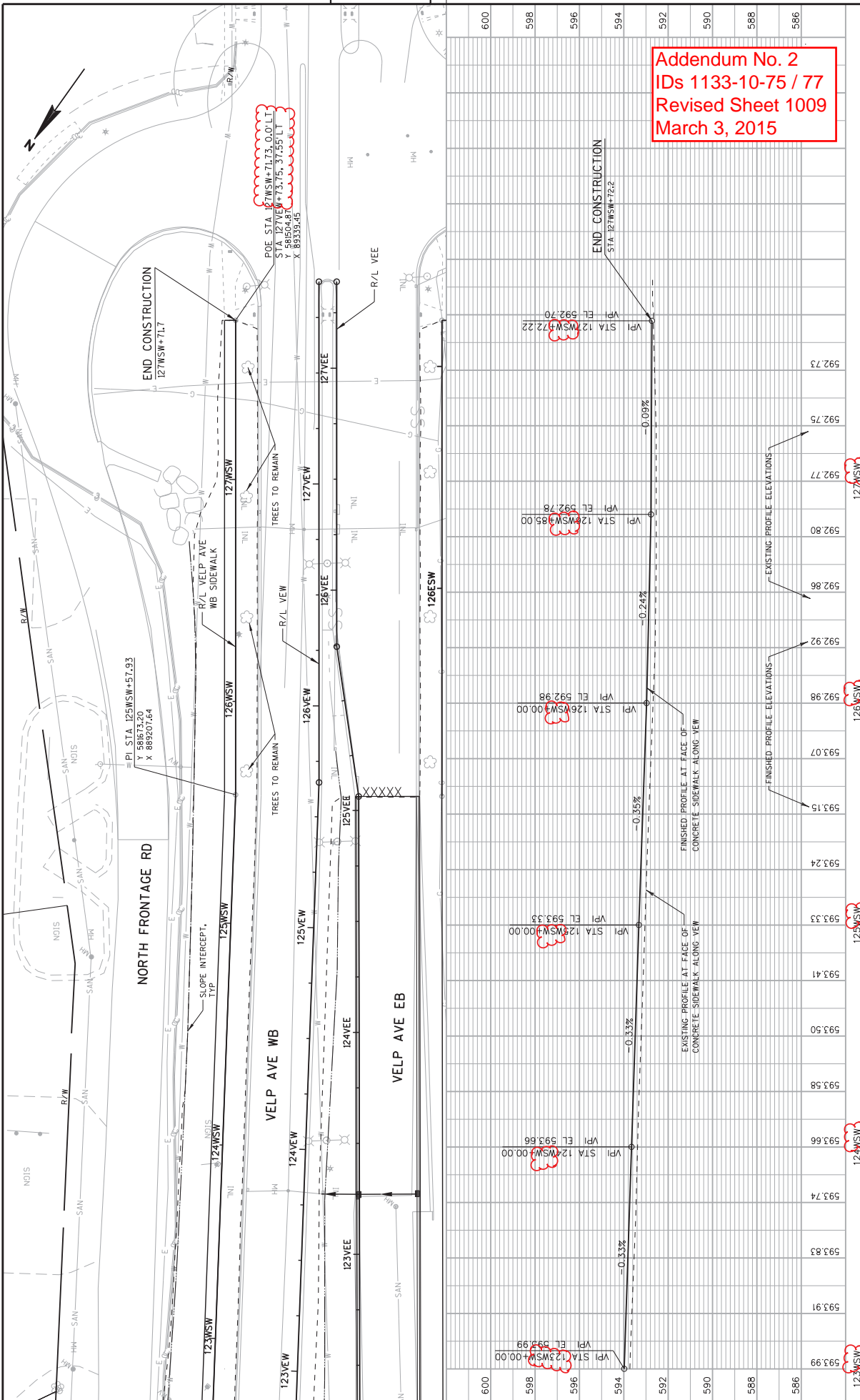
Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 936  
March 3, 2015



Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 1003  
 March 3, 2015



Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 1008  
 March 3, 2015



Addendum No. 2  
 IDs 1133-10-75 / 77  
 Revised Sheet 1009  
 March 3, 2015

PROJECT NO: 1133-10-75	COUNTY: BROWN	PLAN AND PROFILE: VELP AVENUE WB - SIDEWALK	SHEET 1009	E
FILE NAME : F:\NM4-1005 Velp Ave\roads\cadd\vpd050112.dgn PLOT DATE : 27-FEB-2015 11:50 PLOT BY : sccok PLOT SCALE : 40:1				

NB USH 41 to SB IH 43 RAMP "IHA"

Station	AREA (SF)		Incremental Vol (CY) (Unadjusted)							Cumulative Vol (CY)		Mass Ordinate				
	Cut	Fill	Marsh Ex. Cut	Marsh Ex. Blanket Cut	EBS	Drainage Blanket	Cut	Fill	Marsh Ex. Cut	Marsh Ex. Blanket Cut	EBS		Drainage Blanket	Cut	Fill	
Distance	Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7	Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7	Note 8	
1196+90	366.3	3.0	0	0	0	0	0	87	51	0	0	0	0	87	51	36
1197+00	105.3	272.6	0	0	0	0	0	99	721	0	0	0	0	186	772	-585
1197+50	1.7	505.8	0	0	0	0	0	2	906	0	0	0	0	188	1677	-1489
1198+00	0	472.1	0	0	0	0	0	1	845	0	0	0	0	189	2522	-2332
1198+50	1.5	440.0	0	0	0	0	0	4	782	0	0	0	0	193	3304	-3110
1199+00	2.6	404.5	0	0	0	0	0	3	706	0	0	0	0	197	4009	-3812
1199+50	1.1	357.5	0	0	0	0	0	1	605	0	0	0	0	198	4614	-4416
1200+00	0.1	296.1	0	0	0	0	0	4	843	0	0	0	0	202	5458	-5255
1200+50	4.5	614.5	0	0	0	0	0	8	1055	0	0	0	0	211	6513	-6302
1201+00	4.5	525.4	0	0	0	0	0	8	908	0	0	0	0	219	7421	-7202
1201+50	4.5	455.5	0	0	0	0	0	9	769	0	0	0	0	228	8191	-7963
1202+00	5.1	375.5	0	0	0	0	0	9	600	0	0	0	0	237	8791	-8554
1202+50	4.8	272.7	0	0	0	0	0	9	422	0	0	0	0	246	9213	-8967
1203+00	5.0	183.1	0	0	0	0	0	9	281	0	0	0	0	255	9494	-9238
1203+50	5.0	120.1	0	0	0	0	0	9	177	0	0	0	0	265	9670	-9406
1204+00	5.0	70.7	0	0	0	0	0	9	101	0	0	0	0	274	9772	-9498
1204+50	5.0	38.7	0	0	0	0	0	9	102	0	0	0	0	283	9873	-9590
1205+00	5.0	71.0	0	0	0	0	0	11	114	0	0	0	0	295	9988	-9693
1205+50	7.1	52.6	0	0	0	0	0	16	91	0	0	0	0	311	10078	-9767
1206+00	10.7	45.3	0	0	0	0	0	24	75	0	0	0	0	335	10153	-9819
1206+50	14.8	35.8	0	0	0	0	0	33	57	0	0	0	0	367	10211	-9844
1207+00	20.5	26.2	0	0	0	0	0	42	41	0	0	0	0	410	10252	-9843
1207+50	25.1	18.5	0	0	0	0	0	48	31	0	0	0	0	458	10283	-9825
1208+00	26.8	14.8	0	0	0	0	0	52	24	0	0	0	0	509	10307	-9798
1208+50	29.1	11.0	0	0	0	0	0	50	19	0	0	0	0	559	10326	-9767
1209+00	24.7	9.7	0	0	0	0	0	46	16	0	0	0	0	605	10342	-9737
1209+50	25.3	7.6	0	0	0	0	0	48	13	0	0	0	0	653	10355	-9702
1210+00	26.2	6.7	0	0	0	0	0	44	13	0	0	0	0	697	10369	-9671
1210+50	21.8	7.6	0	0	0	0	0	41	14	0	0	0	0	738	10382	-9644
1211+00	22.1	7.4	0	0	0	0	0									
								738	10,382	0	0	0	0	0	0	0

Notes:

- (1) Cut: Measured from existing ground to top of proposed cut. Cut includes pavement material.
- (2) Fill: Measured from existing ground to top of proposed fill.
- (3) Marsh Excavation: All marsh excavation planned to be wasted offsite. Marsh excavation to be backfilled with Roadway Embankment, unless specified in plans.
- (4) Marsh Excavation Cut: Portion of material excavated as Marsh Excavation, but not to be backfilled (see construction detail).
- (5) Blanket Cut: Additional excavation necessary to install drainage blanket. Measured from bottom of drainage blanket to existing ground.
- (6) EBS: All EBS material assumed to be wasted offsite. All EBS to be backfilled with Roadway Embankment, unless specified by Engineer (see construction detail).
- (7) Drainage Blanket: End area occupied by drainage blanket
- (8) Mass Ordinate = (Cut + Blanket Cut) - [(Marsh Excavation - Marsh Excavation Cut) + Fill + Blanket Cut - Drainage Blanket]

COLUMN SUB-TOTALS

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 1688  
March 3, 2015



NB USH 41 to SB IH 43 RAMP "IHA" (continued)

Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)										Cumulative Vol (CY)		Mass Ordinate		
		Cut	Fill	Marsh Ex. Cut	Marsh Ex. Blanket Cut	EBS	Drainage Blanket	Cut	Fill	Marsh Ex. Cut	Marsh Ex. Blanket Cut	EBS	Drainage Blanket	Cut	Fill			
		Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7	Note 1	Note 2	Note 3	Note 4	Note 5	Note 6	Note 7			
1211+50	50	21.4	7.2	0	0	0	0	0	40	14	0	0	0	0	0	778	10396	-9618
1212+00	50	17.7	6.7	0	0	0	0	0	36	13	0	0	0	0	0	814	10409	-9594
1212+50	50	21.7	4.8	0	0	0	0	0	36	11	0	0	0	0	0	851	10419	-9568
1213+00	50	22.4	0.7	0	0	0	0	0	41	5	0	0	0	0	0	892	10424	-9533
1213+50	50	18.4	0.6	0	0	0	0	0	38	1	0	0	0	0	0	929	10426	-9496
1214+00	50	15.5	0	0	0	0	0	0	31	1	0	0	0	0	0	961	10426	-9465
1214+50	50	9.6	0.9	0	0	0	0	0	23	1	0	0	0	0	0	984	10427	-9443
1215+00	50	8.0	3.2	0	0	0	0	0	16	4	0	0	0	0	0	1000	10431	-9431
1215+50	50	6.6	5.7	0	0	0	0	0	13	8	0	0	0	0	0	1014	10439	-9425
1216+00	50	5.3	6.5	0	0	0	0	0	11	11	0	0	0	0	0	1025	10451	-9426
1216+50	50	5.0	6.4	0	0	0	0	0	10	12	0	0	0	0	0	1034	10463	-9428
		COLUMN SUB-TOTALS		296	80	0	0	0	0	0	0	0	0	0	0			
		COLUMN TOTALS		1,034	10,463	0	0	0	0	0	0	0	0	0	0			

- Notes:
- (1) Cut Measured from existing ground to top of proposed cut. Cut includes pavement material.
  - (2) Fill Measured from existing ground to top of proposed fill.
  - (3) Marsh Excavation All marsh excavation planned to be wasted offsite. Marsh excavation to be backfilled with Roadway Embankment, unless specified in plans.
  - (4) Marsh Excavation Cut Portion of material excavated as Marsh Excavation, but not to be backfilled (see construction detail).
  - (5) Blanket Cut Additional excavation necessary to install drainage blanket. Measured from bottom of drainage blanket to existing ground.
  - (6) EBS All EBS material assumed to be wasted offsite. All EBS to be backfilled with Roadway Embankment, unless specified by Engineer (see construction detail).
  - (7) Drainage Blanket End area occupied by drainage blanket
  - (8) Mass Ordinate = (Cut + Blanket Cut) - [(Marsh Excavation - Marsh Excavation Cut) + Fill + Blanket Cut - Drainage Blanket]

Addendum No. 2  
IDs 1133-10-75 / 77  
Revised Sheet 1689  
March 3, 2015

SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023

PROJECT(S):  
1133-10-75  
1133-10-77

FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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

SECTION 0001 Contract Items

0010	201.0110 Clearing	13,757.000 SY	.	.	.	.
0020	201.0120 Clearing	396.000 ID	.	.	.	.
0030	201.0210 Grubbing	13,757.000 SY	.	.	.	.
0040	201.0220 Grubbing	396.000 ID	.	.	.	.
0050	203.0100 Removing Small Pipe Culverts	19.000 EACH	.	.	.	.
0060	203.0200 Removing Old Structure (station) 001. 1194+00 NMC LT	LUMP	LUMP	.	.	.
0070	203.0200 Removing Old Structure (station) 002. 1185+25 NMC LT	LUMP	LUMP	.	.	.
0080	203.0200 Removing Old Structure (station) 003. 1173+00 SMC	LUMP	LUMP	.	.	.
0090	203.0200 Removing Old Structure (station) 004. 1185+40 SMC	LUMP	LUMP	.	.	.

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0100	203.0200 Removing Old Structure (station) 005. 1194+00 SMC	LUMP	LUMP			.
0110	203.0225.S Debris Containment (structure) 701. B-05-673	LUMP	LUMP			.
0120	203.0225.S Debris Containment (structure) 705. B-05-668	LUMP	LUMP			.
0130	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 700. 1212+00	LUMP	LUMP			.
0140	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 701. 1212+01	LUMP	LUMP			.
0150	204.0100 Removing Pavement **p**	99,650.000 SY	.			.
0160	204.0110 Removing Asphaltic Surface **p**	1,500.000 SY	.			.
0170	204.0115 Removing Asphaltic Surface Butt Joints **p**	43.000 SY	.			.
0180	204.0120 Removing Asphaltic Surface Milling **p**	2,520.000 SY	.			.
0190	204.0150 Removing Curb & Gutter **p**	1,420.000 LF	.			.

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0200	204.0155 Removing Concrete Sidewalk ***	1,410.000 SY	.		.	
0210	204.0165 Removing Guardrail ***	3,455.000 LF	.		.	
0220	204.0170 Removing Fence ***	4,545.000 LF	.		.	
0230	204.0175 Removing Concrete Slope Paving	540.000 SY	.		.	
0240	204.0180 Removing Delineators and Markers	429.000 EACH	.		.	
0250	204.0190 Removing Surface Drains	12.000 EACH	.		.	
0260	204.0195 Removing Concrete Bases	18.000 EACH	.		.	
0270	204.0210 Removing Manholes	1.000 EACH	.		.	
0280	204.0220 Removing Inlets	41.000 EACH	.		.	
0290	204.0245 Removing Storm Sewer (size) 001. 10-Inch ***	584.000 LF	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0300	204.0245 Removing Storm Sewer (size) 002. 12-Inch **p**	389.000 LF	.		.	
0310	204.0245 Removing Storm Sewer (size) 003. 18-Inch **p**	2,259.000 LF	.		.	
0320	204.0245 Removing Storm Sewer (size) 004. 24-Inch **p**	445.000 LF	.		.	
0330	204.0245 Removing Storm Sewer (size) 005. 36-Inch **p**	165.000 LF	.		.	
0340	204.0250 Abandoning Manholes	8.000 EACH	.		.	
0350	204.0270 Abandoning Culvert Pipes	3.000 EACH	.		.	
0360	204.0280 Sealing Pipes	21.000 EACH	.		.	
0370	204.0291.S Abandoning Sewer	472.000 CY	.		.	
0380	204.9060.S Removing (item description) 203. Traffic Control Signs Fixed Message Left In Place	2.000 EACH	.		.	
0390	204.9090.S Removing (item description) 001. Temporary Shoring Left In Place	3,957.000 LF	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0400	204.9090.S Removing (item description) 002. Concrete Barrier Temporary Precast Left In Place	39,275.000 LF	.		.	
0410	204.9090.S Removing (item description) 003. Sanitary Sewer Pipe 12-Inch	40.000 LF	.		.	
0420	205.0100 Excavation Common	193,044.000 CY	.		.	
0430	205.0300 Excavation Stone Piles and Stone Fences	275.000 CY	.		.	
0440	205.0400 Excavation Marsh	228,500.000 CY	.		.	
0450	206.1000 Excavation for Structures Bridges (structure) 001. B-05-668	LUMP	LUMP		.	
0460	206.1000 Excavation for Structures Bridges (structure) 002. B-05-672	LUMP	LUMP		.	
0470	206.1000 Excavation for Structures Bridges (structure) 004. B-05-673	LUMP	LUMP		.	
0480	206.1000 Excavation for Structures Bridges (structure) 007. B-05-676	LUMP	LUMP		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0490	206.1000 Excavation for Structures Bridges (structure) 008. B-05-682	LUMP	LUMP			.
0500	206.5000 Cofferdams (structure) 001. B-05-682	LUMP	LUMP			.
0510	208.1100 Select Borrow	CY	29,000.000	.		.
0520	209.0300.S Backfill Coarse Aggregate (size) 001. No 1	CY	112.000	.		.
0530	210.0100 Backfill Structure **P**	CY	3,233.000	.		.
0540	211.0100 Prepare Foundation for Asphaltic Paving (project) 001. 1133-10-75	LUMP	LUMP			.
0550	211.0100 Prepare Foundation for Asphaltic Paving (project) 002. 1133-10-77	LUMP	LUMP			.
0560	213.0100 Finishing Roadway (project) 002. 1133-10-75	EACH	1.000	.		.
0570	213.0100 Finishing Roadway (project) 003. 1133-10-77	EACH	1.000	.		.
0580	214.0100 Obliterating Old Road **P**	STA	2.000	.		.

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0590	305.0110 Base Aggregate Dense 3/4-Inch	8,500.000 TON	.		.	
0600	305.0120 Base Aggregate Dense 1 1/4-Inch	94,190.000 TON	.		.	
0610	311.0110 Breaker Run	105,632.000 TON	.		.	
0620	315.0100 Asphaltic Base	28,502.000 TON	.		.	
0630	320.0145 Concrete Base 8-Inch **p**	490.000 SY	.		.	
0640	320.0150 Concrete Base 8 1/2-Inch **p**	861.000 SY	.		.	
0650	325.0100 Pulverize and Relay **p**	13,000.000 SY	.		.	
0660	405.0100 Coloring Concrete Red	410.000 CY	.		.	
0670	415.0090 Concrete Pavement 9-Inch **p**	7,563.000 SY	.		.	
0680	415.0100 Concrete Pavement 10-Inch **p**	15,470.000 SY	.		.	
0690	415.0105 Concrete Pavement 10 1/2-Inch **p**	150,634.000 SY	.		.	



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CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
0700	415.0210 Concrete Pavement Gaps	16.000 EACH	.		.	
0710	415.0410 Concrete Pavement Approach Slab **p**	2,206.000 SY	.		.	
0720	415.1100 Concrete Pavement HES 10-Inch **p**	500.000 SY	.		.	
0730	416.0180 Concrete Driveway 8-Inch	305.000 SY	.		.	
0740	416.0190 Concrete Driveway 9-Inch	190.000 SY	.		.	
0750	416.0280 Concrete Driveway HES 8-Inch	280.000 SY	.		.	
0760	416.0290 Concrete Driveway HES 9-Inch	100.000 SY	.		.	
0770	416.0512 Concrete Roundabout Truck Apron 12-Inch	1,220.000 SY	.		.	
0780	416.0610 Drilled Tie Bars	580.000 EACH	.		.	
0790	416.0620 Drilled Dowel Bars	276.000 EACH	.		.	
0800	416.1010 Concrete Surface Drains **p**	19.100 CY	.		.	

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
0810	416.1110 Concrete Shoulder Rumble Strips	61,860.000 LF	.		.	
0820	440.4410.S Incentive IRI Ride	30,000.000 DOL	1.00000		30000.00	
0830	455.0105 Asphaltic Material PG58-28	578.000 TON	.		.	
0840	455.0605 Tack Coat	4,581.000 GAL	.		.	
0850	460.1100 HMA Pavement Type E-0.3	958.000 TON	.		.	
0860	460.1101 HMA Pavement Type E-1	6,307.000 TON	.		.	
0870	460.1103 HMA Pavement Type E-3	1,110.000 TON	.		.	
0880	460.1130 HMA Pavement Type E-30	484.000 TON	.		.	
0890	460.2000 Incentive Density HMA Pavement	8,900.000 DOL	1.00000		8900.00	
0900	460.4000 HMA Cold Weather Paving	1,902.000 TON	.		.	
0910	465.0105 Asphaltic Surface	938.000 TON	.		.	

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
0920	465.0120 Asphaltic Surface Driveways and Field Entrances	170.000 TON	.		.	
0930	465.0125 Asphaltic Surface Temporary	120.000 TON	.		.	
0940	465.0400 Asphaltic Shoulder Rumble Strips ***	19,260.000 LF	.		.	
0950	502.1100 Concrete Masonry Seal ***	354.000 CY	.		.	
0960	502.3100 Expansion Device (structure) 001. B-05-672 ***	LUMP	LUMP		.	
0970	502.3110.S Expansion Device Modular (structure) 001. B-05-672 ***	LUMP	LUMP		.	
0980	502.3200 Protective Surface Treatment ***	47,427.000 SY	.		.	
0990	502.6110 Masonry Anchors Type S 3/4-Inch ***	12.000 EACH	.		.	
1000	503.0128 Prestressed Girder Type I 28-Inch ***	1,314.000 LF	.		.	
1010	503.0146 Prestressed Girder Type I 45W-Inch ***	6,082.000 LF	.		.	

## SCHEDULE OF ITEMS

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
1020	503.0155 Prestressed Girder Type I 54W-Inch **p**	5,603.000 LF	.		.	
1030	503.0172 Prestressed Girder Type I 72W-Inch **p**	1,937.000 LF	.		.	
1040	504.0500 Concrete Masonry Retaining Walls **p**	574.000 CY	.		.	
1050	505.0405 Bar Steel Reinforcement HS Bridges	96,377.000 LB	.		.	
1060	505.0605 Bar Steel Reinforcement HS Coated Bridges	1,425,618 LB	.		.	
1070	505.0615 Bar Steel Reinforcement HS Coated Retaining Walls	63,020.000 LB	.		.	
1080	506.2605 Bearing Pads Elastomeric Non-Laminated **p**	254.000 EACH	.		.	
1090	506.2610 Bearing Pads Elastomeric Laminated **p**	6.000 EACH	.		.	
1100	506.4000 Steel Diaphragms (structure) 001. B-05-668 **p**	24.000 EACH	.		.	
1110	506.4000 Steel Diaphragms (structure) 002. B-05-672 **p**	90.000 EACH	.		.	

## SCHEDULE OF ITEMS

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CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
1120	506.4000 Steel Diaphragms (structure) 003. B-05-673 **p**	24.000 EACH	.		.	
1130	506.4000 Steel Diaphragms (structure) 004. B-05-676 **p**	16.000 EACH	.		.	
1140	506.4000 Steel Diaphragms (structure) 005. B-05-682 **p**	68.000 EACH	.		.	
1150	506.6000 Bearing Assemblies Expansion (structure) 001. B-05-672 **p**	18.000 EACH	.		.	
1160	511.1200 Temporary Shoring (structure) 001. B-05-673	1,370.000 SF	.		.	
1170	511.1200 Temporary Shoring (structure) 700. B-05-668	1,170.000 SF	.		.	
1180	513.2000 Railing Pipe (structure) 001. R-5-259	LUMP	LUMP		.	
1190	513.2000 Railing Pipe (structure) 002. R-5-260	LUMP	LUMP		.	
1200	514.0450 Floor Drains Type WF	11.000 EACH	.		.	
1210	514.0460 Floor Drains Type H	2.000 EACH	.		.	

## SCHEDULE OF ITEMS

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CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1220	516.0500 Rubberized Membrane Waterproofing **p**	296.000 SY	.		.	
1230	520.0124 Culvert Pipe Class III 24-Inch	105.000 LF	.		.	
1240	520.8000 Concrete Collars for Pipe	26.000 EACH	.		.	
1250	521.0118 Culvert Pipe Corrugated Steel 18-Inch	112.000 LF	.		.	
1260	521.0124 Culvert Pipe Corrugated Steel 24-Inch	24.000 LF	.		.	
1270	521.1018 Apron Endwalls for Culvert Pipe Steel 18-Inch	4.000 EACH	.		.	
1280	521.1024 Apron Endwalls for Culvert Pipe Steel 24-Inch	2.000 EACH	.		.	
1290	521.1618 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 10 to 1	2.000 EACH	.		.	
1300	522.0118 Culvert Pipe Reinforced Concrete Class III 18-Inch	146.000 LF	.		.	
1310	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	386.000 LF	.		.	

## SCHEDULE OF ITEMS

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
1320	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch	200.000 LF	.		.	
1330	522.0136 Culvert Pipe Reinforced Concrete Class III 36-Inch	106.000 LF	.		.	
1340	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	10.000 EACH	.		.	
1350	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	23.000 EACH	.		.	
1360	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	19.000 EACH	.		.	
1370	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	2.000 EACH	.		.	
1380	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	1.000 EACH	.		.	
1390	523.0419 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	48.000 LF	.		.	
1400	523.0519 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	2.000 EACH	.		.	

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1410	524.0118 Culvert Pipe Salvaged 18-Inch	40.000 LF	.		.	
1420	524.0618 Apron Endwalls for Culvert Pipe Salvaged 18-Inch	4.000 EACH	.		.	
1430	524.0624 Apron Endwalls for Culvert Pipe Salvaged 24-Inch	1.000 EACH	.		.	
1440	550.0500 Pile Points	379.000 EACH	.		.	
1450	550.1120 Piling Steel HP 12-Inch X 53 Lb	19,484.000 LF	.		.	
1460	550.1140 Piling Steel HP 14-Inch X 73 Lb	8,106.000 LF	.		.	
1470	601.0342 Concrete Curb & Gutter Integral 18-Inch ***p**	1,840.000 LF	.		.	
1480	601.0409 Concrete Curb & Gutter 30-Inch Type A ***p**	140.000 LF	.		.	
1490	601.0411 Concrete Curb & Gutter 30-Inch Type D ***p**	765.000 LF	.		.	
1500	601.0600 Concrete Curb Pedestrian ***p**	425.000 LF	.		.	
1510	602.0410 Concrete Sidewalk 5-Inch ***p**	156,850.000 SF	.		.	



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CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1520	602.0505 Curb Ramp Detectable Warning Field Yellow **p**	608.000 SF	.		.	
1530	603.1132 Concrete Barrier Type S32 **p**	3,330.000 LF	.		.	
1540	603.1142 Concrete Barrier Type S42 **p**	8,320.000 LF	.		.	
1550	603.1156 Concrete Barrier Type S56 **p**	11,850.000 LF	.		.	
1560	603.1342 Concrete Barrier Type S42B **p**	80.000 LF	.		.	
1570	603.1442 Concrete Barrier Type S42C **p**	330.000 LF	.		.	
1580	603.1456 Concrete Barrier Type S56C **p**	475.000 LF	.		.	
1590	603.3513 Concrete Barrier Transition Type S32 to S36	3.000 EACH	.		.	
1600	603.3535 Concrete Barrier Transition Type S36 to S42	4.000 EACH	.		.	
1610	603.3559 Concrete Barrier Transition Type S42 to S56	5.000 EACH	.		.	

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
1620	603.8125 Concrete Barrier Temporary Precast Installed	1,380.000 LF	.		.	
1630	604.0400 Slope Paving Concrete **P**	156.000 SY	.		.	
1640	604.0600 Slope Paving Select Crushed Material **P**	3,457.000 SY	.		.	
1650	606.0200 Riprap Medium	921.000 CY	.		.	
1660	606.0300 Riprap Heavy	263.000 CY	.		.	
1670	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	1,366.000 LF	.		.	
1680	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	2,664.000 LF	.		.	
1690	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	3,059.000 LF	.		.	
1700	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	3,265.000 LF	.		.	
1710	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	367.000 LF	.		.	

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1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
1720	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	822.000 LF	.		.	
1730	608.0354 Storm Sewer Pipe Reinforced Concrete Class III 54-Inch	328.000 LF	.		.	
1740	611.0430 Reconstructing Inlets	2.000 EACH	.		.	
1750	611.0530 Manhole Covers Type J	11.000 EACH	.		.	
1760	611.0535 Manhole Covers Type J-Special	17.000 EACH	.		.	
1770	611.0606 Inlet Covers Type B	4.000 EACH	.		.	
1780	611.0612 Inlet Covers Type C	2.000 EACH	.		.	
1790	611.0615 Inlet Covers Type F	2.000 EACH	.		.	
1800	611.0624 Inlet Covers Type H	20.000 EACH	.		.	
1810	611.0639 Inlet Covers Type H-S	63.000 EACH	.		.	
1820	611.0642 Inlet Covers Type MS	20.000 EACH	.		.	

## SCHEDULE OF ITEMS

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CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1830	611.0645 Inlet Covers Type MS-A	1.000 EACH	.		.	
1840	611.0652 Inlet Covers Type T	6.000 EACH	.		.	
1850	611.0654 Inlet Covers Type V	163.000 EACH	.		.	
1860	611.2003 Manholes 3-FT Diameter	1.000 EACH	.		.	
1870	611.2004 Manholes 4-FT Diameter	15.000 EACH	.		.	
1880	611.2005 Manholes 5-FT Diameter	22.000 EACH	.		.	
1890	611.2006 Manholes 6-FT Diameter	3.000 EACH	.		.	
1900	611.2007 Manholes 7-FT Diameter	1.000 EACH	.		.	
1910	611.2008 Manholes 8-FT Diameter	6.000 EACH	.		.	
1920	611.3003 Inlets 3-FT Diameter	7.000 EACH	.		.	
1930	611.3004 Inlets 4-FT Diameter	59.000 EACH	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1940	611.3220 Inlets 2x2-FT	1.000 EACH	.		.	
1950	611.3225 Inlets 2x2.5-FT	100.000 EACH	.		.	
1960	611.3230 Inlets 2x3-FT	56.000 EACH	.		.	
1970	611.3253 Inlets 2.5x3-FT	2.000 EACH	.		.	
1980	611.3901 Inlets Median 1 Grate	7.000 EACH	.		.	
1990	611.3902 Inlets Median 2 Grate	6.000 EACH	.		.	
2000	611.8110 Adjusting Manhole Covers	1.000 EACH	.		.	
2010	611.9800.S Pipe Grates	2.000 EACH	.		.	
2020	612.0106 Pipe Underdrain 6-Inch	3,250.000 LF	.		.	
2030	612.0206 Pipe Underdrain Unperforated 6-Inch	180.000 LF	.		.	
2040	612.0406 Pipe Underdrain Wrapped 6-Inch	3,540.000 LF	.		.	

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REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2050	614.0010 Barrier System Grading Shaping Finishing	2.000 EACH	.		.	
2060	614.0397 Guardrail Mow Strip Emulsified Asphalt	780.000 SY	.		.	
2070	614.0805 Crash Cushions Permanent Low Maintenance	2.000 EACH	.		.	
2080	614.2300 MGS Guardrail 3	1,375.000 LF	.		.	
2090	614.2500 MGS Thrie Beam Transition	199.000 LF	.		.	
2100	614.2610 MGS Guardrail Terminal EAT	8.000 EACH	.		.	
2110	614.2620 MGS Guardrail Terminal Type 2	2.000 EACH	.		.	
2120	616.0100 Fence Woven Wire (height) 001. 4-Ft	19,247.000 LF	.		.	
2130	616.0206 Fence Chain Link 6-FT	1,243.000 LF	.		.	
2140	616.0329 Gates Chain Link (width) 001. 18-Ft	1.000 EACH	.		.	
2160	616.0406 Fence Chain Link Salvaged 6-FT	30.000 LF	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2170	616.0700.S Fence Safety	1,500.000 LF	.		.	
2180	618.0100 Maintenance And Repair of Haul Roads (project) 001. 1133-10-77	1.000 EACH	.		.	
2190	618.0100 Maintenance And Repair of Haul Roads (project) 002. 1133-10-75	1.000 EACH	.		.	
2200	619.1000 Mobilization	1.000 EACH	.		.	
2210	620.0200 Concrete Median Blunt Nose **p**	440.000 SF	.		.	
2220	620.0300 Concrete Median Sloped Nose **p**	675.000 SF	.		.	
2230	621.0100 Landmark Reference Monuments	24.000 EACH	.		.	
2240	623.0200 Dust Control Surface Treatment	26,800.000 SY	.		.	
2250	624.0100 Water	1,550.000 MGAL	.		.	
2260	625.0100 Topsoil	21,800.000 SY	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2270	625.0500 Salvaged Topsoil	321,663.000 SY	.		.	
2280	627.0200 Mulching	175,250.000 SY	.		.	
2290	628.1504 Silt Fence	7,125.000 LF	.		.	
2300	628.1520 Silt Fence Maintenance	7,125.000 LF	.		.	
2310	628.1905 Mobilizations Erosion Control	17.000 EACH	.		.	
2320	628.1910 Mobilizations Emergency Erosion Control	11.000 EACH	.		.	
2330	628.2004 Erosion Mat Class I Type B	126,600.000 SY	.		.	
2340	628.2008 Erosion Mat Urban Class I Type B	39,100.000 SY	.		.	
2350	628.6005 Turbidity Barriers	1,600.000 SY	.		.	
2360	628.7005 Inlet Protection Type A	330.000 EACH	.		.	
2370	628.7010 Inlet Protection Type B	172.000 EACH	.		.	



## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2380	628.7015 Inlet Protection Type C	40.000 EACH	.		.	
2390	628.7020 Inlet Protection Type D	125.000 EACH	.		.	
2400	628.7504 Temporary Ditch Checks	1,350.000 LF	.		.	
2410	628.7555 Culvert Pipe Checks	50.000 EACH	.		.	
2420	628.7560 Tracking Pads	8.000 EACH	.		.	
2430	628.7570 Rock Bags	325.000 EACH	.		.	
2440	629.0210 Fertilizer Type B	217.000 CWT	.		.	
2450	630.0120 Seeding Mixture No. 20	7,775.000 LB	.		.	
2460	630.0140 Seeding Mixture No. 40	390.000 LB	.		.	
2470	630.0160 Seeding Mixture No. 60	258.000 LB	.		.	
2480	630.0200 Seeding Temporary	6,620.000 LB	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2490	632.0101 Trees (species) (size) (root) 01. Elm, Accolade, B&B, 2.5-Inch Cal.	EACH 6.000	.		.	
2500	632.0101 Trees (species) (size) (root) 02. Honeylocust, Thornless 'Imperial', B&B, 2. 5-Inch Cal.	EACH 3.000	.		.	
2510	632.0101 Trees (species) (size) (root) 03. Honeylocust, Thornless 'Skyline', B&B, 2.5-Inch Cal	EACH 14.000	.		.	
2520	632.0101 Trees (species) (size) (root) 04. Maple, Freeman 'Sienna Glen', B&B, 2.5-Inch Cal.	EACH 19.000	.		.	
2530	632.0101 Trees (species) (size) (root) 05. Maple, State Street, B&B, 2. 5-Inch Cal.	EACH 6.000	.		.	
2540	632.0101 Trees (species) (size) (root) 06. Oak, Bur, B&B, 2-Inch Cal.	EACH 18.000	.		.	
2550	632.0101 Trees (species) (size) (root) 07. American Hornbeam (Shrub Form Tree), B&B, 8-Foot Ht.	EACH 1.000	.		.	
2560	632.0101 Trees (species) (size) (root) 08. Crabapple, 'Donald Wyman', B&B, 2-Inch Cal.	EACH 2.000	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2570	632.0101 Trees (species) (size) (root) 09. Crabapple, 'Donald Wyman' (Shrub Form Tree), B&B, 8-Foot Ht.	20.000 EACH	.		.	
2580	632.0101 Trees (species) (size) (root) 10. Crabapple, 'Prairiefire' (Shrub Form Tree), B&B, 10-Foot Ht.	7.000 EACH	.		.	
2590	632.0101 Trees (species) (size) (root) 11. Hawthorn, 'Winter King', B&B, 2-Inch Cal.	13.000 EACH	.		.	
2600	632.0101 Trees (species) (size) (root) 12. Hawthorn, 'Winter King' (Shrub Form Tree), B&B, 8-Foot Ht.	31.000 EACH	.		.	
2610	632.0101 Trees (species) (size) (root) 13. Japanese Tree Lilac, 'Ivory Silk', B&B, 2-Inch Cal.	4.000 EACH	.		.	
2620	632.0101 Trees (species) (size) (root) 14. Japanese Tree Lilac, 'Ivory Silk' (Shrub Form Tree), B&B, 8-Foot Ht.	10.000 EACH	.		.	
2630	632.0101 Trees (species) (size) (root) 15. Maple, Tatarian, B&B, 2-Inch Cal.	12.000 EACH	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2640	632.0101 Trees (species) (size) (root) 16. Serviceberry, 'Princess Diana' (Shrub Form Tree), B&B, 6-Foot Ht.	EACH 31.000	.		.	
2650	632.0101 Trees (species) (size) (root) 17. Viburnum, Blackhaw 'Forest Rouge' (Shrub Form Tree), B&B, 6-Foot Ht.	EACH 45.000	.		.	
2660	632.0101 Trees (species) (size) (root) 18. Juniper, Pfitzer 'Kallay'S Compact', Container, 2-Foot Sp.	EACH 18.000	.		.	
2670	632.0101 Trees (species) (size) (root) 19. Juniper, 'Mountbatten', B&B, 5-Foot Ht.	EACH 35.000	.		.	
2680	632.0101 Trees (species) (size) (root) 20. Pine, Limber 'Vanderwolf'S Pyramid', B&B, 7-Foot Ht.	EACH 2.000	.		.	
2690	632.0101 Trees (species) (size) (root) 21. Spruce, Black Hills, 6' Ht., B&B, 6-Foot Ht.	EACH 9.000	.		.	
2700	632.0101 Trees (species) (size) (root) 22. Spruce, Black Hills, 8' Ht., B&B, 8-Foot Ht.	EACH 7.000	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2710	632.0101 Trees (species) (size) (root) 23. Spruce, Serbian, B&B, 5-Foot Ht.	8.000 EACH	.		.	
2720	632.0101 Trees (species) (size) (root) 24. Birch, River 'Heritage (Shrub Form Tree), B&B, 6-Foot Ht.	12.000 EACH	.		.	
2730	632.0101 Trees (species) (size) (root) 25. Hackberry, B&B, 2.5-Inch Cal.	21.000 EACH	.		.	
2740	632.0101 Trees (species) (size) (root) 26. Horsechestnut, 'Baumannii', B&B, 2. 5-Inch Cal.	10.000 EACH	.		.	
2750	632.0101 Trees (species) (size) (root) 27. Larch, American, B&B, 6-Foot Ht.	11.000 EACH	.		.	
2760	632.0101 Trees (species) (size) (root) 28. Oak, Swamp White, B&B, 2-Inch Cal.	12.000 EACH	.		.	
2770	632.0101 Trees (species) (size) (root) 29. Shagbark Hickory, B&B, 2-Inch Cal.	6.000 EACH	.		.	
2780	632.0101 Trees (species) (size) (root) 30. Birch, River 'Fox Valley' (Shrub Form Tree), B&B, 4-Foot Ht.	8.000 EACH	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2790	632.0101 Trees (species) (size) (root) 31. Serviceberry, 'Princess Diana' (Shrub Form Tree), B&B, 9-Foot Ht.	EACH 18.000	.		.	
2800	632.0201 Shrubs (species) (size) (root) 01. Maple, Amur 'Bailey's Compact', Container, 5-Foot Ht.	EACH 5.000	.		.	
2810	632.0201 Shrubs (species) (size) (root) 02. Ninebark, 'Summer Wine', Container, 3-Foot Ht.	EACH 38.000	.		.	
2820	632.0201 Shrubs (species) (size) (root) 03. Rose, 'Dwarf Pavement', Container, 18-Inch Ht.	EACH 11.000	.		.	
2830	632.0201 Shrubs (species) (size) (root) 04. Spirea, 'Birchleaf', Container, 18-Inch Ht.	EACH 36.000	.		.	
2840	632.0201 Shrubs (species) (size) (root) 05. Spirea, 'Goldflame', Container, 18-Inch Ht.	EACH 66.000	.		.	
2850	632.0201 Shrubs (species) (size) (root) 06. Spirea, 'Renaissance' Vanhoutte, Container, 4-Foot Ht.	EACH 6.000	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2860	632.0201 Shrubs (species) (size) (root) 07. Sumac, 'Gro-Low' Fragrant, Container, 24-Inch Sp.	55.000 EACH	.		.	
2870	632.0201 Shrubs (species) (size) (root) 08. Viburnum, Arrowwood, Autumn Jazz, Container, 4-Foot Ht.	8.000 EACH	.		.	
2880	632.0201 Shrubs (species) (size) (root) 09. American Hazelnut, Container, 3-Foot Ht.	12.000 EACH	.		.	
2890	632.0201 Shrubs (species) (size) (root) 10. Alder, Speckled, Container, 3-Foot Ht.	12.000 EACH	.		.	
2900	632.0201 Shrubs (species) (size) (root) 11. Buttonbush, Container, 3-Foot Ht.	7.000 EACH	.		.	
2910	632.0201 Shrubs (species) (size) (root) 12. Elderberry, Container, 3-Foot Ht.	4.000 EACH	.		.	
2920	632.0201 Shrubs (species) (size) (root) 13. Witchhazel, Common, Container, 3-Foot Ht.	2.000 EACH	.		.	
2930	632.0201 Shrubs (species) (size) (root) 14. Willow, Pussy, Container, 3-Foot Ht.	13.000 EACH	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2940	632.9101 Landscape Planting Surveillance and Care Cycles	52.000 EACH	.		.	
2950	633.0100 Delineator Posts Steel	51.000 EACH	.		.	
2960	633.0500 Delineator Reflectors	315.000 EACH	.		.	
2970	633.1000 Delineator Brackets	237.000 EACH	.		.	
2980	633.1100 Delineators Temporary	25.000 EACH	.		.	
2990	633.5200 Markers Culvert End	37.000 EACH	.		.	
3000	634.0412 Posts Wood 4x4-Inch X 12-FT	11.000 EACH	.		.	
3010	634.0612 Posts Wood 4x6-Inch X 12-FT	38.000 EACH	.		.	
3020	634.0614 Posts Wood 4x6-Inch X 14-FT	42.000 EACH	.		.	
3030	634.0616 Posts Wood 4x6-Inch X 16-FT	140.000 EACH	.		.	
3040	634.0618 Posts Wood 4x6-Inch X 18-FT	25.000 EACH	.		.	



## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
3050	634.0808 Posts Tubular Steel 2x2-Inch X 8-FT	155.000 EACH	.		.	
3060	634.0810 Posts Tubular Steel 2x2-Inch X 10-FT	49.000 EACH	.		.	
3070	634.0814 Posts Tubular Steel 2x2-Inch X 14-FT	20.000 EACH	.		.	
3080	634.0816 Posts Tubular Steel 2x2-Inch X 16-FT	17.000 EACH	.		.	
3090	635.0200 Sign Supports Structural Steel HS	1,900.000 LB	.		.	
3100	636.0100 Sign Supports Concrete Masonry **p**	451.200 CY	.		.	
3110	636.0500 Sign Supports Steel Reinforcement	196.000 LB	.		.	
3120	636.1000 Sign Supports Steel Reinforcement HS	3,570.000 LB	.		.	
3130	636.1500 Sign Supports Steel Coated Reinforcement HS	70,439.000 LB	.		.	
3140	637.1220 Signs Type I Reflective SH	9,619.500 SF	.		.	
3150	637.2210 Signs Type II Reflective H	4,632.710 SF	.		.	

## SCHEDULE OF ITEMS

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CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
3160	637.2215 Signs Type II Reflective H Folding	30.000 SF	.		.	
3170	637.2220 Signs Type II Reflective SH	20.250 SF	.		.	
3180	637.2230 Signs Type II Reflective F	754.000 SF	.		.	
3190	638.2601 Removing Signs Type I	10.000 EACH	.		.	
3200	638.2602 Removing Signs Type II	70.000 EACH	.		.	
3210	638.3000 Removing Small Sign Supports	63.000 EACH	.		.	
3220	638.3100 Removing Structural Steel Sign Supports	10.000 EACH	.		.	
3230	638.3620 Erecting State Owned Signs Type II	36.000 EACH	.		.	
3240	641.6600 Sign Bridge (structure) 001. S-05-189	LUMP	LUMP		.	
3250	641.6600 Sign Bridge (structure) 002. S-05-192	LUMP	LUMP		.	
3260	641.6600 Sign Bridge (structure) 003. S-05-193	LUMP	LUMP		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
3270	641.6600 Sign Bridge (structure) 004. S-05-194	LUMP	LUMP			.
3280	641.6600 Sign Bridge (structure) 005. S-05-196	LUMP	LUMP			.
3290	641.6600 Sign Bridge (structure) 006. S-05-200	LUMP	LUMP			.
3300	641.6600 Sign Bridge (structure) 007. S-05-201	LUMP	LUMP			.
3310	641.6600 Sign Bridge (structure) 008. S-05-202	LUMP	LUMP			.
3320	641.8100 Overhead Sign Support (structure) 001. S-05-254	LUMP	LUMP			.
3330	641.8100 Overhead Sign Support (structure) 002. S-05-255	LUMP	LUMP			.
3340	641.8100 Overhead Sign Support (structure) 003. S-05-258	LUMP	LUMP			.
3350	641.8100 Overhead Sign Support (structure) 004. S-05-259	LUMP	LUMP			.
3360	641.8100 Overhead Sign Support (structure) 009. S-05-263	LUMP	LUMP			.
3370	642.5401 Field Office Type D 01. Office 1	EACH	1.000			.

## SCHEDULE OF ITEMS

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CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
3380	642.5401 Field Office Type D 02. Office 2	1.000 EACH	.		.	
3390	643.0200 Traffic Control Surveillance and Maintenance (project) 001. 1133-10-75	81.000 DAY	.		.	
3400	643.0200 Traffic Control Surveillance and Maintenance (project) 002. 1133-10-77	600.000 DAY	.		.	
3410	643.0300 Traffic Control Drums	291,983.000 DAY	.		.	
3420	643.0410 Traffic Control Barricades Type II	492.000 DAY	.		.	
3430	643.0420 Traffic Control Barricades Type III	15,420.000 DAY	.		.	
3440	643.0705 Traffic Control Warning Lights Type A	27,992.000 DAY	.		.	
3450	643.0715 Traffic Control Warning Lights Type C	81,979.000 DAY	.		.	
3460	643.0800 Traffic Control Arrow Boards	1,400.000 DAY	.		.	
3470	643.0900 Traffic Control Signs	95,840.000 DAY	.		.	

## SCHEDULE OF ITEMS

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CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
3480	643.0910 Traffic Control Covering Signs Type I	7.000 EACH	.		.	
3490	643.0920 Traffic Control Covering Signs Type II	12.000 EACH	.		.	
3500	643.1000 Traffic Control Signs Fixed Message	727.500 SF	.		.	
3510	643.1050 Traffic Control Signs PCMS	986.000 DAY	.		.	
3520	643.2000 Traffic Control Detour (project) 001. 1133-10-77	1.000 EACH	.		.	
3530	643.3000 Traffic Control Detour Signs	48,810.000 DAY	.		.	
3540	645.0111 Geotextile Fabric Type DF Schedule A	1,430.000 SY	.		.	
3550	645.0113 Geotextile Fabric Type DF Schedule C **p**	1,367.000 SY	.		.	
3560	645.0115 Geotextile Fabric Type ES **p**	13,953.000 SY	.		.	
3570	645.0120 Geotextile Fabric Type HR	1,883.000 SY	.		.	
3580	645.0140 Geotextile Fabric Type SAS	2,360.000 SY	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
3590	646.0106 Pavement Marking Epoxy 4-Inch	129,875.000 LF	.		.	
3600	646.0600 Removing Pavement Markings	101,730.000 LF	.		.	
3610	646.0841.S Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch	30,133.000 LF	.		.	
3620	646.0843.S Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	24,660.000 LF	.		.	
3630	647.0456 Pavement Marking Curb Epoxy	140.000 LF	.		.	
3640	647.0566 Pavement Marking Stop Line Epoxy 18-Inch	54.000 LF	.		.	
3650	647.0606 Pavement Marking Island Nose Epoxy	3.000 EACH	.		.	
3660	647.0726 Pavement Marking Diagonal Epoxy 12-Inch	155.000 LF	.		.	
3670	647.0746 Pavement Marking Diagonal Epoxy 24-Inch	1,355.000 LF	.		.	
3680	647.0766 Pavement Marking Crosswalk Epoxy 6-Inch	290.000 LF	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
3690	649.0400 Temporary Pavement Marking Removable Tape 4-Inch	6,970.000 LF	.		.	
3700	649.0801 Temporary Pavement Marking Removable Tape 8-Inch	2,290.000 LF	.		.	
3710	649.1800 Temporary Pavement Marking Arrows Removable Tape	5.000 EACH	.		.	
3720	649.2000 Temporary Pavement Marking Words Removable Tape	1.000 EACH	.		.	
3730	652.0125 Conduit Rigid Metallic 2-Inch **p**	2,432.000 LF	.		.	
3740	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch **p**	41,526.000 LF	.		.	
3750	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch **p**	7,910.000 LF	.		.	
3760	652.0325 Conduit Rigid Nonmetallic Schedule 80 2-Inch **p**	110.000 LF	.		.	
3770	652.0605 Conduit Special 2-Inch **p**	925.000 LF	.		.	
3780	652.0615 Conduit Special 3-Inch **p**	2,640.000 LF	.		.	
3790	653.0135 Pull Boxes Steel 24x36-Inch	5.000 EACH	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
3800	653.0140 Pull Boxes Steel 24x42-Inch	95.000 EACH	.		.	
3810	653.0180 Pull Boxes Steel Communications (inch) 001. 24x36-Inch	35.000 EACH	.		.	
3820	653.0220 Junction Boxes 18x6x6-Inch	1.000 EACH	.		.	
3830	653.0222 Junction Boxes 18x12x6-Inch	15.000 EACH	.		.	
3840	653.0905 Removing Pull Boxes	16.000 EACH	.		.	
3850	654.0102 Concrete Bases Type 2	2.000 EACH	.		.	
3860	654.0105 Concrete Bases Type 5	33.000 EACH	.		.	
3870	654.0107 Concrete Bases Type 7	56.000 EACH	.		.	
3880	654.0217 Concrete Control Cabinet Bases Type 9 Special	1.000 EACH	.		.	
3890	654.0220 Concrete Control Cabinet Bases Type 10	2.000 EACH	.		.	



## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
3900	654.0230 Concrete Control Cabinet Bases Type L30	1.000 EACH	.		.	
3910	655.0610 Electrical Wire Lighting 12 AWG **P**	38,460.000 LF	.		.	
3920	655.0615 Electrical Wire Lighting 10 AWG **P**	6,910.000 LF	.		.	
3930	655.0620 Electrical Wire Lighting 8 AWG **P**	8,630.000 LF	.		.	
3940	655.0630 Electrical Wire Lighting 4 AWG **P**	79,565.000 LF	.		.	
3950	655.0635 Electrical Wire Lighting 2 AWG **P**	71,045.000 LF	.		.	
3960	655.0640 Electrical Wire Lighting 1 AWG **P**	139,605.000 LF	.		.	
3970	656.0200 Electrical Service Meter Breaker Pedestal (location) 001. CB 500	LUMP	LUMP		.	
3980	656.0200 Electrical Service Meter Breaker Pedestal (location) 002. CB 600	LUMP	LUMP		.	
3990	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 001. CB 200	LUMP	LUMP		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
4000	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 002. CB 300	LUMP	LUMP			.
4010	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 003. CB 400	LUMP	LUMP			.
4020	656.0500 Electrical Service Breaker Disconnect Box (location) 001. CCTV-05-0046	LUMP	LUMP			.
4030	656.0500 Electrical Service Breaker Disconnect Box (location) 002. CCTV-05-0047	LUMP	LUMP			.
4040	657.0210 Transformer Bases Breakaway 15-17 Inch Bolt Circle	EACH	56.000	.		.
4050	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	12.000	.		.
4060	657.0310 Poles Type 3	EACH	2.000	.		.
4070	657.0322 Poles Type 5-Aluminum	EACH	50.000	.		.
4080	657.0337 Poles Type 17-Aluminum	EACH	144.000	.		.

## SCHEDULE OF ITEMS

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
4090	657.0605 Luminaire Arms Single Member 4 1/2-Inch Clamp 4-FT	44.000 EACH	.		.	
4100	657.0620 Luminaire Arms Single Member 6-Inch Clamp 4-FT	116.000 EACH	.		.	
4110	657.0730 Luminaire Arms Truss Type 6-Inch Clamp 12-FT	57.000 EACH	.		.	
4120	657.6005.S Anchor Assemblies Light Poles on Structures	10.000 EACH	.		.	
4160	659.0600 Underdeck Lighting (location) 001. R-05-234	LUMP	LUMP		.	
4170	659.0600 Underdeck Lighting (location) 002. R-05-235	LUMP	LUMP		.	
4180	659.0802 Plaques Sequence Identification	229.000 EACH	.		.	
4190	659.1210 Luminaires Underdeck LED B	8.000 EACH	.		.	
4200	670.0100 Field System Integrator	LUMP	LUMP		.	
4210	670.0200 ITS Documentation	LUMP	LUMP		.	
4220	671.0300 Fiber Optic Cable Marker	100.000 EACH	.		.	

## SCHEDULE OF ITEMS

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
4230	672.0250 Base Camera Pole 50-FT	2.000 EACH	.		.	
4240	672.0280 Base Camera Pole 80-FT	1.000 EACH	.		.	
4250	673.0105 Communication Vault Type 1	25.000 EACH	.		.	
4260	673.0225.S Install Pole Mounted Cabinet	3.000 EACH	.		.	
4270	674.0200 Cable Microwave Detector	10,215.000 LF	.		.	
4280	675.0300 Install Mounted Controller Microwave Detector Assembly	6.000 EACH	.		.	
4290	675.0400.S Install Ethernet Switch	5.000 EACH	.		.	
4300	677.0100 Install Camera Pole	3.000 EACH	.		.	
4310	677.0200 Install Camera Assembly	3.000 EACH	.		.	
4320	677.0300.S Install Video Encoder	3.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310023

PROJECT(S):  
1133-10-75  
1133-10-77

FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
4330	678.0006 Install Fiber Optic Cable Outdoor Plant 6-CT	1,835.000 LF	.		.	
4340	678.0012 Install Fiber Optic Cable Outdoor Plant 12-CT	4,350.000 LF	.		.	
4350	678.0036 Install Fiber Optic Cable Outdoor Plant 36-CT	13,205.000 LF	.		.	
4360	678.0072 Install Fiber Optic Cable Outdoor Plant 72-CT	52,140.000 LF	.		.	
4370	678.0200 Fiber Optic Splice Enclosure	12.000 EACH	.		.	
4380	678.0300 Fiber Optic Splice	873.000 EACH	.		.	
4390	678.0400 Fiber Optic Termination	66.000 EACH	.		.	
4400	678.0500 Communication System Testing	LUMP	LUMP		.	
4410	690.0150 Sawing Asphalt	1,298.000 LF	.		.	
4420	690.0250 Sawing Concrete	96.000 LF	.		.	

## SCHEDULE OF ITEMS

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1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
4430	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,100.000 HRS	5.00000		10500.00	
4440	ASP.1T0G On-the-Job Training Graduate at \$5. 00/HR	5,760.000 HRS	5.00000		28800.00	
4450	SPV.0035 Special 001. Drainage Blanket	24,961.000 CY	.		.	
4460	SPV.0035 Special 002. Roadway Embankment	519,410.000 CY	.		.	
4470	SPV.0035 Special 003. Excavation Of Phragmites Soil	1,155.000 CY	.		.	
4480	SPV.0035 Special 004. Granular Material For ES Fabric	9,302.000 CY	.		.	
4490	SPV.0035 Special 500. Planting Mixture	1,918.000 CY	.		.	
4500	SPV.0035 Special 501. Topsoil Special	1,465.000 CY	.		.	
4510	SPV.0035 Special 700. High Performance Concrete (HPC) Masonry Structures **P**	8,100.000 CY	.		.	
4520	SPV.0060 Special 001. CPM Baseline Schedule	2.000 EACH	.		.	

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1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

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			DOLLARS	CTS	DOLLARS	CTS
4530	SPV.0060 Special 002. CPM Schedule Monthly Updates	49.000 EACH	.		.	
4540	SPV.0060 Special 003. Vibrating Wire Piezometer Instrumentation System, Delivered	12.000 EACH	.		.	
4550	SPV.0060 Special 004. Settlement Gauges	11.000 EACH	.		.	
4560	SPV.0060 Special 005. Concrete Barrier Trans Type S56 (54-Inch Base) To S56 (36-Inch Base)	1.000 EACH	.		.	
4570	SPV.0060 Special 009. Utility Line Opening	4.000 EACH	.		.	
4580	SPV.0060 Special 010. Section Survey Monuments, Reconstruct Project	6.000 EACH	.		.	
4590	SPV.0060 Special 012. Removing Traffic Control Type I Sign Covering Other Contracts	14.000 EACH	.		.	
4600	SPV.0060 Special 100. Inlets 4-Ft Diameter Special	1.000 EACH	.		.	
4610	SPV.0060 Special 101. Inlets 2 X 2.5-Ft Special	5.000 EACH	.		.	
4620	SPV.0060 Special 103. Inlet Cover Type DW	1.000 EACH	.		.	

## SCHEDULE OF ITEMS

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
4630	SPV.0060 Special 104. Drain Slotted Vane Type A 3-Foot	7.000 EACH	.		.	
4640	SPV.0060 Special 105. Drain Slotted Vane Type B 6-Foot	8.000 EACH	.		.	
4650	SPV.0060 Special 110. Inlets Median 2 Grate Special	1.000 EACH	.		.	
4660	SPV.0060 Special 113. Apron Endwall for Culvert Pipe Steel 10-Inch	1.000 EACH	.		.	
4670	SPV.0060 Special 151. Sedimentation Basin	10.000 EACH	.		.	
4680	SPV.0060 Special 152. Temporary Stone Ditch Checks	11.000 EACH	.		.	
4690	SPV.0060 Special 153. Tracking Pad Maintenance	2.000 EACH	.		.	
4700	SPV.0060 Special 200. Maintenance And Removal Of Crash Cushions Temp Left In Place By Others	5.000 EACH	.		.	
4710	SPV.0060 Special 250. V-Loc Sign Anchors	37.000 EACH	.		.	
4720	SPV.0060 Special 300. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 1	23.000 EACH	.		.	



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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
4730	SPV.0060 Special 301. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 2	16.000 EACH	.		.	
4740	SPV.0060 Special 302. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 3	9.000 EACH	.		.	
4750	SPV.0060 Special 303. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 2R	7.000 EACH	.		.	
4760	SPV.0060 Special 304. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 3R	6.000 EACH	.		.	
4770	SPV.0060 Special 305. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 6	1.000 EACH	.		.	
4780	SPV.0060 Special 306. Pavement Marking Grooved Preformed Thermoplastic Words	33.000 EACH	.		.	
4790	SPV.0060 Special 310. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 5	12.000 EACH	.		.	
4800	SPV.0060 Special 351. Polymer Concrete Pullbox	17.000 EACH	.		.	
4810	SPV.0060 Special 352. Luminaire Arms Truss Type 4-Inch Clamp 12-Ft Black	2.000 EACH	.		.	

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
4820	SPV.0060 Special 353. Concrete Bases Type 7 Median	37.000 EACH	.		.	
4830	SPV.0060 Special 354. Concrete Base Median Barrier Type 1	9.000 EACH	.		.	
4840	SPV.0060 Special 355. Concrete Base Median Barrier Type 2	2.000 EACH	.		.	
4850	SPV.0060 Special 356. Concrete Base Median Barrier Type 3	8.000 EACH	.		.	
4860	SPV.0060 Special 357. Double Lighting Cabinet Base	3.000 EACH	.		.	
4870	SPV.0060 Special 358. Concrete Bases Type W	13.000 EACH	.		.	
4880	SPV.0060 Special 359. Poles Type 5-Aluminum Black	20.000 EACH	.		.	
4890	SPV.0060 Special 360. Transformer Bases Breakaway 11 1/2-Inch Bolt Circle Black	23.000 EACH	.		.	
4900	SPV.0060 Special 361. Luminaire Arms Truss 4 1/2-Inch Clamp 12-Ft Black	22.000 EACH	.		.	
4910	SPV.0060 Special 362. Luminaires Utility Led Category C Black	24.000 EACH	.		.	

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
4920	SPV.0060 Special 363. Lighting Control Cabinet - Freeway	6.000 EACH	.		.	
4930	SPV.0060 Special 364. Lighting Control Cabinet - Roundabout	1.000 EACH	.		.	
4940	SPV.0060 Special 365. Anchor Bolt Cover Shroud	5.000 EACH	.		.	
4950	SPV.0060 Special 366. Lighting Control Cabinet - Local	1.000 EACH	.		.	
4960	SPV.0060 Special 367. Fiberglass Street Light Pole - Install Only	13.000 EACH	.		.	
4970	SPV.0060 Special 368. Street Light Mast Arm 10 Foot - Install Only	16.000 EACH	.		.	
4980	SPV.0060 Special 369. Box Style Luminaire Led - Install Only	16.000 EACH	.		.	
4990	SPV.0060 Special 371. Remove Luminaire	4.000 EACH	.		.	
5000	SPV.0060 Special 403. Salvage Pole Mounted Cabinet	1.000 EACH	.		.	
5010	SPV.0060 Special 404. Salvage IP Radio	16.000 EACH	.		.	

## SCHEDULE OF ITEMS

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CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
5020	SPV.0060 Special 405. Ramp Closure Gates Solar Powered 24-Ft	1.000 EACH	.		.	
5030	SPV.0060 Special 406. Ramp Closure Gates Solar Powered 30-Ft	2.000 EACH	.		.	
5040	SPV.0060 Special 407. Pedestal Bases Black	2.000 EACH	.		.	
5050	SPV.0060 Special 409. Traffic Signal Standards Aluminum 15-Ft Black	2.000 EACH	.		.	
5060	SPV.0060 Special 410. Tracer Test Station	9.000 EACH	.		.	
5070	SPV.0060 Special 411. Install Termination Panel	10.000 EACH	.		.	
5080	SPV.0060 Special 412. Salvage Camera Assembly	1.000 EACH	.		.	
5090	SPV.0060 Special 413. Salvage Ethernet Switch	6.000 EACH	.		.	
5100	SPV.0060 Special 414. Salvage Video Encoder	1.000 EACH	.		.	
5110	SPV.0060 Special 415. Salvage Mounted Controller Microwave Detector Assembly	1.000 EACH	.		.	

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
5120	SPV.0060 Special 416. Remove Wood Pole	1.000 EACH	.		.	
5130	SPV.0060 Special 417. Fusible Disconnect Box	1.000 EACH	.		.	
5140	SPV.0060 Special 418. Step Down 3KVA Control Transformer 480V PRI- 120/240V SEC	1.000 EACH	.		.	
5150	SPV.0060 Special 419. Installing Pole Mounted Cabinet	2.000 EACH	.		.	
5160	SPV.0060 Special 420. Installing Two Solar Panels On One Bracket	2.000 EACH	.		.	
5170	SPV.0060 Special 421. Installing Wavetronix Click 200 Module	2.000 EACH	.		.	
5180	SPV.0060 Special 422. Installing Wavetronix Detector Module	2.000 EACH	.		.	
5190	SPV.0060 Special 423. Concrete Maintenance Platform	2.000 EACH	.		.	
5200	SPV.0060 Special 424. Grading Shaping & Finishing For ATR Site	2.000 EACH	.		.	
5210	SPV.0060 Special 500. Perennials, Aster (Purple Dome), Cg, 1 Gal	94.000 EACH	.		.	

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1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
5220	SPV.0060 Special 501. Perennials, Bee Balm (Marshall's Delight), Cg, 1 Gal	44.000 EACH	.		.	
5230	SPV.0060 Special 502. Perennials, Black-Eyed-Susan (City Garden), Cg, 1 Gal	235.000 EACH	.		.	
5240	SPV.0060 Special 503. Perennials, Catmint (Walker'S Low), Cg, 1 Gal	142.000 EACH	.		.	
5250	SPV.0060 Special 504. Perennials, Coneflower (White Swan), Cg, 1 Gal	135.000 EACH	.		.	
5260	SPV.0060 Special 505. Perennials, Daylily (Alabama Jubilee), Cg, 1 Gal	82.000 EACH	.		.	
5270	SPV.0060 Special 506. Perennials, Daylily (Flava), Cg, 1 Gal	93.000 EACH	.		.	
5280	SPV.0060 Special 507. Perennials, Daylily (Hyperion), Cg, 1 Gal	7.000 EACH	.		.	
5290	SPV.0060 Special 508. Perennials, Daylily (Pardon Me), Cg, 1 Gal	201.000 EACH	.		.	
5300	SPV.0060 Special 509. Perennials, Feather Reed Grass (Karl Foerster), Cg, 3 Gal	208.000 EACH	.		.	

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

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			DOLLARS	CTS	DOLLARS	CTS
5310	SPV.0060 Special 510. Perennials, Gayfeather, Spiked (Kobold), Cg, 1 Gal	80.000 EACH	.		.	
5320	SPV.0060 Special 511. Perennials, Little Bluestem (The Blues), Cg, 1 Gal	284.000 EACH	.		.	
5330	SPV.0060 Special 512. Perennials, Maidenhair Grass (Zebra), Cg, 3 Gal	4.000 EACH	.		.	
5340	SPV.0060 Special 513. Perennials, Prairie Dropseed, Cg, 1 Gal	41.000 EACH	.		.	
5350	SPV.0060 Special 514. Perennials, Salvia (May Night), Cg, 1 Gal	134.000 EACH	.		.	
5360	SPV.0060 Special 515. Perennials, Sedum (Autumn Joy), Cg, 1 Gal	77.000 EACH	.		.	
5370	SPV.0060 Special 516. Perennials, Switchgrass (Northwind), Cg, 3 Gal	7.000 EACH	.		.	
5380	SPV.0060 Special 517. Annuals, Canna (President), Bulb/Cg, 4-Eye Minimum	94.000 EACH	.		.	
5390	SPV.0060 Special 518. Bulbs, Daffodil 'Stainless', Bulb, DN 1	300.000 EACH	.		.	
5400	SPV.0060 Special 519. Bulbs, Tulip 'American Dream', Bulb, 12+cm	300.000 EACH	.		.	

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1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

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			DOLLARS	CTS	DOLLARS	CTS
5410	SPV.0060 Special 520. Bulbs, Tulip, 'Jaap Groot', Bulb, 12+cm	300.000 EACH	.		.	
5420	SPV.0060 Special 700. Pile Dynamic Analyzer (PDA) Testing	3.000 EACH	.		.	
5430	SPV.0060 Special 701. Pile Dynamic Analyzer (PDA) Restriking	3.000 EACH	.		.	
5440	SPV.0060 Special 702. Case Pile Wave Analysis Program (Capwap) Evaluation	1.000 EACH	.		.	
5450	SPV.0060 Special 703. Standpipe System	1.000 EACH	.		.	
5460	SPV.0075 Special 150. Street Sweeping	600.000 HRS	.		.	
5470	SPV.0075 Special 200. Truck Mounted Attenuator With Operator	150.000 HRS	.		.	
5480	SPV.0075 Special 201. Truck Mounted Attenuator Without Operator	150.000 HRS	.		.	
5490	SPV.0085 Special 700. Bar Steel Reinforcement HS Stainless Bridges	13,443.000 LB	.		.	
5500	SPV.0090 Special 001. Concrete Curb & Gutter 18-Inch Type A Full Depth Reverse Slope Gutter **p**	850.000 LF	.		.	



## SCHEDULE OF ITEMS

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20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

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			DOLLARS	CTS	DOLLARS	CTS
5510	SPV.0090 Special 002. Concrete Curb & Gutter 30-Inch Type A Full Depth **p**	8,737.000 LF	.		.	
5520	SPV.0090 Special 003. Concrete Curb & Gutter 32-Inch Type A Full Depth **p**	108.000 LF	.		.	
5530	SPV.0090 Special 004. Concrete Curb & Gutter 54-Inch Type A Full Depth **p**	40.000 LF	.		.	
5540	SPV.0090 Special 006. Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A Full Depth **p**	40.000 LF	.		.	
5550	SPV.0090 Special 007. Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R Full Depth **p**	1,100.000 LF	.		.	
5560	SPV.0090 Special 008. Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A Full Depth **p**	333.000 LF	.		.	
5570	SPV.0090 Special 009. Concrete Curb & Gutter 6-Inch Sloped 60-Inch Type A Full Depth **p**	486.000 LF	.		.	
5580	SPV.0090 Special 010. Fence Chain Link Polymer-Coated 4-Ft	50.000 LF	.		.	
5590	SPV.0090 Special 011. Pedestrian Railing	1,107.000 LF	.		.	

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1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

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			DOLLARS	CTS	DOLLARS	CTS
5600	SPV.0090 Special 012. Strip Drains	321,096.000 LF	.		.	
5610	SPV.0090 Special 013. Pre-Bored Strip Drains	238,224.000 LF	.		.	
5620	SPV.0090 Special 014. Concrete Barrier Type S56 (36-Inch Wide Base) **p**	2,100.000 LF	.		.	
5630	SPV.0090 Special 015. Concrete Barrier Type S56A (36-Inch Wide Base) **p**	3,495.000 LF	.		.	
5640	SPV.0090 Special 016. Concrete Curb & Gutter And Barrier, Cold Weather Covering, Plastic 1 Layer	2,100.000 LF	.		.	
5650	SPV.0090 Special 017. Concrete Curb & Gutter and Barrier, Cold Weather Covering, Plastic 2 Layers	600.000 LF	.		.	
5660	SPV.0090 Special 018. Conc C&G and Barrier, Cold Weather Covering, Plastic/Hay/Plastic or Blanket	600.000 LF	.		.	
5670	SPV.0090 Special 019. Concrete Curb & Gutter 30-Inch Type D HES **P**	765.000 LF	.		.	

## SCHEDULE OF ITEMS

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CONTRACT:  
20150310023PROJECT(S):  
1133-10-75  
1133-10-77FEDERAL ID(S):  
WISC 2015135  
WISC 2015136

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
5680	SPV.0090 Special 020. Concrete Curb & Gutter 30-Inch Type A Full Depth HES **p**	445.000 LF	.		.	
5690	SPV.0090 Special 307. Pavement Marking Grooved Preformed Thermoplastic, Crosswalk 6-Inch	670.000 LF	.		.	
5700	SPV.0090 Special 308. Pavement Marking Grooved Preformed Thermoplastic 8-Inch	1,075.000 LF	.		.	
5710	SPV.0090 Special 309. Pavement Marking Grooved Preformed Thermoplastic 18-Inch	290.000 LF	.		.	
5720	SPV.0090 Special 370. Pullbox Drain Duct	755.000 LF	.		.	
5730	SPV.0090 Special 400. Conduit HDPE 3-Duct 2-Inch	13,655.000 LF	.		.	
5740	SPV.0090 Special 401. Conduit HDPE Directional Bore 3-Duct 2-Inch	105.000 LF	.		.	
5750	SPV.0090 Special 402. Conduit HDPE 4-Duct 2-Inch	5,725.000 LF	.		.	
5760	SPV.0090 Special 500. Aluminum Edging	410.000 LF	.		.	
5770	SPV.0090 Special 700. Downspout RTRP 6-Inch	32.000 LF	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
5780	SPV.0090 Special 701. Railing Steel Type C4 Galvanized Pedestrian B-05-682	512.000 LF	.		.	
5790	SPV.0090 Special 702. Downspout RTRP 8-Inch	110.000 LF	.		.	
5800	SPV.0105 Special 002. Survey Project 1133-10-75	LUMP	LUMP		.	
5810	SPV.0105 Special 003. Survey Project 1133-10-77	LUMP	LUMP		.	
5820	SPV.0105 Special 004. Geotechnical Instrumentation	LUMP	LUMP		.	
5830	SPV.0105 Special 005. Temporary Haul Road Access For Construction Of Structure B-05-672	LUMP	LUMP		.	
5840	SPV.0105 Special 006. Temporary Creek Access For Removal And Construction Of Structures	LUMP	LUMP		.	
5850	SPV.0105 Special 008. Connecting Existing Downspot to Storm Sewer	LUMP	LUMP		.	
5860	SPV.0105 Special 009. Maintenance Road Excavation MR2	LUMP	LUMP		.	

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			DOLLARS	CTS	DOLLARS	CTS
5870	SPV.0105 Special 010. Maintenance Road Excavation MR3	LUMP	LUMP			.
5880	SPV.0105 Special 011. Concrete Pavement Joint Layout Project 1133-10-75	LUMP	LUMP			.
5890	SPV.0105 Special 012. Concrete Pavement Joint Layout Project 1133-10-77	LUMP	LUMP			.
5900	SPV.0105 Special 200. Traffic Control For Duck Creek Recreational Vehicles	LUMP	LUMP			.
5910	SPV.0105 Special 450. Removing Traffic Signals (USH 41 NB and Velp Avenue)	LUMP	LUMP			.
5920	SPV.0105 Special 451. Removing Traffic Signals (USH 41 SB and Velp Avenue)	LUMP	LUMP			.
5930	SPV.0105 Special 950. Overhead Sign Support Black Finish Structure S-05-256	LUMP	LUMP			.
5940	SPV.0105 Special 951. Overhead Sign Support Black Finish Structure S-05-257	LUMP	LUMP			.

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1133-10-75  
1133-10-77

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WISC 2015135  
WISC 2015136

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
5950	SPV.0105 Special 952. Overhead Sign Support Black Finish Structure S-05-261	LUMP	LUMP			.
5960	SPV.0105 Special 953. Overhead Sign Support Black Finish Structure S-05-262	LUMP	LUMP			.
5970	SPV.0120 Special 001. Water For Seeded Areas	160.000 MGAL	.			.
5980	SPV.0165 Special 001. Concrete Sidewalk 8-Inch ***	1,260.000 SF	.			.
5990	SPV.0165 Special 002. Concrete Sidewalk HES 8-Inch ***	730.000 SF	.			.
6000	SPV.0165 Special 700. Architectural Surface Treatment	26,866.000 SF	.			.
6010	SPV.0165 Special 701. Staining Concrete	91,562.000 SF	.			.
6020	SPV.0165 Special 702. Staining Concrete Brick	21,746.000 SF	.			.
6030	SPV.0165 Special 703. Longitudinal Grooving Bridge Deck ***	107,695.000 SF	.			.
6040	SPV.0165 Special 704. Temporary Shoring Railroad B-05-673	820.000 SF	.			.

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			DOLLARS	CTS	DOLLARS	CTS
6050	SPV.0165 Special 708. Architectural Surface Treatment, Special	8,823.000 SF	.		.	
6060	SPV.0165 Special 850. Wall Wire Faced Mechanically Stabilized Earth LRFD/QMP Pilot **p**	20,127.000 SF	.		.	
6070	SPV.0165 Special 851. Prestressed Precast Concrete Wall Panel **p**	20,127.000 SF	.		.	
6080	SPV.0165 Special 852. Wall Modular Block Mechanically Stabilized Earth LRFD **p**	1,268.000 SF	.		.	
6090	SPV.0180 Special 001. Colored and Stamped Concrete 5-Inch	2,530.000 SY	.		.	
6100	SPV.0180 Special 002. Colored and Stamped Concrete 8-Inch	1,630.000 SY	.		.	
6110	SPV.0180 Special 003. Colored and Stamped Concrete 9-Inch	44.000 SY	.		.	
6120	SPV.0180 Special 004. Colored and Stamped Concrete 10-Inch	55.000 SY	.		.	
6130	SPV.0180 Special 005. Colored Concrete 6-Inch	1,130.000 SY	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
6140	SPV.0180 Special 006. Colored Concrete Pavement 9-Inch	122.000 SY	.		.	
6150	SPV.0180 Special 007. Colored Concrete Pavement 10-Inch	150.000 SY	.		.	
6160	SPV.0180 Special 008. Concrete Pavement Variable Depth	749.000 SY	.		.	
6170	SPV.0180 Special 009. Geogrid Reinforcement	5,000.000 SY	.		.	
6180	SPV.0180 Special 011. Concrete Pavement, Cold Weather Covering, Plastic 1 Layer	10,100.000 SY	.		.	
6190	SPV.0180 Special 012. Concrete Pavement, Cold Weather Covering, Plastic 2 Layers	5,100.000 SY	.		.	
6200	SPV.0180 Special 013. Conc Pave, Cold Weather Covering, Plastic/Hay/Plastic or Blankets	5,100.000 SY	.		.	
6210	SPV.0180 Special 500. Shredded Hardwood Bark Mulch	1,696.000 SY	.		.	
6220	SPV.0195 Special 001. Base Aggregate Dense 3/4-Inch Special	500.000 TON	.		.	
6230	SPV.0195 Special 002. Breaker Run Special	500.000 TON	.		.	



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WISC 2015135  
WISC 2015136

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			DOLLARS	CTS	DOLLARS	CTS
6240	SPV.0195 Special 004. Limestone Screenings	440.000 TON	.		.	
6250	SPV.0195 Special 005. Cold Patch	10.000 TON	.		.	
6260	SPV.0200 Special 100. Reconstructing Manhole 4-Ft Diameter	39.800 VF	.		.	
6270	SPV.0200 Special 101. Reconstructing Manhole 5-Ft Diameter	24.300 VF	.		.	
6280	SPV.0200 Special 102. Reconstructing Manhole 6-Ft Diameter	7.200 VF	.		.	
6290	SPV.0200 Special 103. Reconstructing Manhole 6x6-Ft	5.400 VF	.		.	
6300	659.1115 Luminaires Utility LED A	40.000 EACH	.		.	
6310	659.1125 Luminaires Utility LED C	84.000 EACH	.		.	
6320	659.1130 Luminaires Utility LED D	97.000 EACH	.		.	
6330	SPV.0060 Special 013. Gates Pipe Double Leaf 18-Ft	5.000 EACH	.		.	
6340	SPV.0165 Special 251. Storm Drain Inlet Marking	385.000 SF	.		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	