



Wisconsin Department of Transportation

September 24, 2020

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

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

NOTICE TO ALL CONTRACTORS:

Proposal #01: 1060-33-84, WISC 2020 466
Zoo IC, USH 45
Swan Blvd to Burleigh Street
USH 45
Milwaukee County

1060-34-77
Zoo IC, North Avenue
118th Street to 116th Street
Loc Str
Milwaukee County

1100-18-73, WISC 2021 001
Zoo IC, Polymer Overlays
Zoo IC Mainline Bridges
Var Hwy
Milwaukee County

1100-18-76, WISC 2002 467
Zoo I/C Overpasses
Various Locations
Var Hwy
Milwaukee County

Letting of October 13, 2020

This is Addendum No. 03, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
5	Prosecution and Progress
9	Utilities
10	Other Contracts
142	Lighting Systems
296	Steel Casing w/ Sanitary Sewer 10-Inch PVC Carrier, Item SPV.0090.5104

Added Special Provisions	
Article No.	Description
351	Clay Cap, Item SPV.0035.0004
352	Lighting Pull Boxes Wauwatosa 17-Inch x 30-Inch, Item SPV.0060.1010; Lighting Pull Boxes Wauwatosa 24-Inch x 36-Inch, Item SPV.0060.1011
353	23-FT Standard Concrete Light Poles and Arms, Item SPV.0060.1012
354	Lighting Control Cabinet 240/480 - Wauwatosa, Item SPV.0060.1013
355	Luminaires Utility LED A (30K), Item SPV.0060.1014; Luminaires Utility LED C (30K), Item SPV.0060.1015
356	Polyethylene Duct 1 ¼-Inch, Item SPV.0090.1004

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
502.3200	Protective Surface Treatment	SY	4,652	1	4,653
505.0600	Bar Steel Reinforcement HS Coated Structures	LB	3,441,315	4,290	3,445,605
506.0605	Structural Steel HS	LB	4,873,269	28,998	4,902,267
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	69,695	1,520	71,215
652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	7,079	370	7,449
654.0105	Concrete Bases Type 5	EACH	146	-20	126
655.0610	Electrical Wire Lighting 12 AWG	LF	34,845	-645	34,200
655.0620	Electrical Wire Lighting 8 AWG	LF	55,970	3,580	59,550
655.0630	Electrical Wire Lighting 4 AWG	LF	82,380	6,000	88,380
657.0322	Poles Type 5-Aluminum	EACH	146	-18	128
657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	106	20	126
657.0620	Luminaire Arms Single Member 6-Inch Clamp 4-FT	EACH	144	-40	104
659.1125	Luminaires Utility LED C	EACH	142	-19	123
SPV.0035.0001	EBS Excavation	CY	14,105	56,418	70,523
SPV.0035.0002	EBS Backfill	CY	14,105	56,418	70,523
SPV.0090.0600	Salvage Temporary Precast Concrete Barrier Left In Place	LF	1,087.5	312.5	1,400
SPV.0090.4105	Fence Decorative Wall	LF	1,927	2	1,929
SPV.0110.4001	Timber Lagging	MBM	146	3	149
SPV.0165.4015	Geocomposite Drain Board	SF	44,470	-540	43,930
SPV.0195.0001	Fly Ash Stabilization	TON	8,579	-4,289	4,290

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0035.0004	Clay Cap	CY	0	6,300	6,300
SPV.0060.1010	Lighting Pull Boxes Wauwatosa 17-Inch x 30-Inch	EACH	0	12	12
SPV.0060.1011	Lighting Pull Boxes Wauwatosa 24-Inch x 36-Inch	EACH	0	2	2
SPV.0060.1012	23-FT Standard Concrete Light Poles and Arms	EACH	0	13	13
SPV.0060.1013	Lighting Control Cabinet 240/480 - Wauwatosa	EACH	0	2	2
SPV.0060.1014	Luminaires Utility LED A (30K)	EACH	0	16	16
SPV.0060.1015	Luminaires Utility LED C (30K)	EACH	0	19	19
SPV.0090.1004	Polyethylene Duct 1 1/4-Inch	LF	0	950	950

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
659.1115	Luminaires Utility LED A	EACH	23	-23	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
25	Typical Sections – Added labels, tie bars, and joints
26	Typical Sections – Added labels, tie bars, and joints
60	Construction Details – Revised HPC Pavement Joint Details
598	Lighting Plans – Update for Wauwatosa lighting
599	Lighting Plans – Update for Wauwatosa lighting
600	Lighting Plans – Update for Wauwatosa lighting
601	Lighting Plans – Update for Wauwatosa lighting
602	Lighting Plans – Update for Wauwatosa lighting
603	Lighting Plans – Update for Wauwatosa lighting
604	Lighting Plans – Update for Wauwatosa lighting
605	Lighting Plans – Update for Wauwatosa lighting
606	Lighting Plans – Update for Wauwatosa lighting
607	Lighting Plans – Update for Wauwatosa lighting
990	Miscellaneous Quantities – Revised Salvage Temporary Precast Concrete Barrier Left In Place quantity
1009	Miscellaneous Quantities – Updated the cross stitching table with locations
1011	Miscellaneous Quantities – Added Clay Cap table
1012	Miscellaneous Quantities (Earthwork Summary) – Moved note (7) from column E to column D. Revised EBS Excavation, EBS Backfill, and Fly Ash Stabilization quantities
1013	Miscellaneous Quantities (Earthwork Summary) – Moved note (7) from column E to column D. Revised EBS Excavation, EBS Backfill, and Fly Ash Stabilization quantities
1014	Miscellaneous Quantities (Earthwork Summary) – Moved note (7) from column E to column D. Revised EBS Excavation, EBS Backfill, and Fly Ash Stabilization quantities. Updated percentages within notes (2) and (6)
1154	Miscellaneous Quantities – Update for Wauwatosa lighting
1155	Miscellaneous Quantities – Update for Wauwatosa lighting
1156	Miscellaneous Quantities – Update for Wauwatosa lighting
1157	Miscellaneous Quantities – Update for Wauwatosa lighting
1158	Miscellaneous Quantities – Update for Wauwatosa lighting
1159	Miscellaneous Quantities – Update for Wauwatosa lighting
1160	Miscellaneous Quantities – Update for Wauwatosa lighting
1161	Miscellaneous Quantities – Update for Wauwatosa lighting
1984	B-40-878. See revised plans
2180	R-40-561. See revised plans
2197	R-40-564. See revised plans
2344	R-40-576. See revised plans
2348	R-40-576. See revised plans
2349	R-40-576. See revised plans
2352	R-40-576. See revised plans
2353	R-40-576. See revised plans
2358	R-40-576. See revised plans
2359	R-40-576. See revised plans
2360	R-40-576. See revised plans
2367	R-40-576. See revised plans

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
54A	Construction Details – Cross-stitching locations
54B	Construction Details – Cross-stitching locations
60A	Construction Details – HPC Pavement Joint Details
545A	Lighting Details – Added Wauwatosa pole, wiring, and pull box detail
1422A	Add SDD Single Slope Roadside Retaining Wall - Cross Section and Steel Details
1422B	Add SDD Single Slope Roadside Retaining Wall - Placement and Drainage

Deleted Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was deleted)
700	This is an old detail. SDD Temporary Traffic Control Sign Mounting will be used.

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. 03

1060-33-84, 1060-34-77, 1100-18-73, & 1100-18-76

September 24, 2020

Special Provisions

5. Prosecution and Progress

Add the following to section titled H.5.4 112th Street:

Maintain access to driveways along 112th Street.

Do not construct R-40-576 until sanitary sewer and watermain along 112th Street are constructed and accepted as complete, as approved by the engineer.

Replace paragraphs three and four under section titled R Railroad Construction Coordination with the following:

The second phase consists of the railroad taking the track out of service and throwing the track to the shoofly track built by the contractor in phase one. It is anticipated this work will take 2 days to complete.

The third phase consists of the contractor building the main track and bridge on the final alignment. The contractor shall notify the railroad 90 days in advance of completing phase three to allow railroad crews to mobilize for their work.

9. Utilities

Replace the second bullet under subsection titled AT&T Wisconsin under section titled Project 1060-33-84 (Zoo IC, USH 45) with the following:

- An existing underground communications line beginning beyond the westerly project limits and running easterly along the median of North Avenue to a manhole at Station 100NO+23, 11'LT and continues to run easterly to a manhole at 106NO+66, 11'LT. From there it continues northeasterly to 107NO+06, 22'LT where it will turn and run easterly to Station 119NO+75, 22'LT and then turn and run southeasterly to a manhole at Station 120NO+10, 11'LT From there it continues easterly to a manhole at Station 124NO+06, 11'LT and continues easterly to beyond the project limits. Prior to and during construction, AT&T Wisconsin will relocate portions of this line beginning beyond the westerly project limits and running easterly along a line 20' north of the North Avenue reference line to Station 99NO+33, 20'LT and turning southeasterly to an existing manhole at Station 100NO+23, 11'LT. From there it runs northeasterly to Station 100NO+58, 20'LT and turns easterly running along a line 20' north of the North Avenue reference line to Station 106NO+00, 20'LT and turning southeasterly to an existing manhole at Station 106NO+66, 11'LT. AT&T Wisconsin relocations anticipated to occur between September 2020 and February 2021. The remainder of this line will remain in place without adjustment from the manhole at Station 106NO+66, 11'LT running east to beyond the easterly project limits.

Replace paragraph two under subsection titled Sprint Communications under section titled Project 1060-33-84 (Zoo IC, USH 45) with the following:

Sprint Communications has an existing underground communications line within the project limits beginning beyond the southerly project limits and running northerly along a line approximately 15' east of the UPRR westerly right of way to the UPRR structure over USH 45 where it is attached to the westerly side of the structure. From there it continues northerly across USH 45 on the structure and continues northerly along a line approximately 15' east of the UPRR westerly right of way to the UPRR structure over North Avenue where it is attached to the westerly side of the structure. From there it continues northerly across North Avenue on the structure and continues northerly to beyond the project limits. Prior to and during construction, Sprint Communications will relocate portions of this line beginning at a point approximately 40' south of the centerline of Walnut Road by boring a new line easterly under the UPRR tracks to a point 15' west of the easterly right of way of the UPRR. From there they will turn and bore a new line northerly along a line 15' west of the easterly right of way of the UPRR, crossing under USH 45 at Station 417NS+15, and continuing northerly along a line 15' west of the easterly right of way to a point approximately 70' south of the centerline of North Avenue. From there they will turn and bore a new line under the UPRR tracks and connect to the existing line at the west side of the UPRR. Relocations anticipated to occur from October 1st, 2020 through January 1st, 2021.

*Delete the entire subsection titled **Wauwatosa, City of – Traffic Signals** under section titled **Project 1060-33-84 (Zoo IC, USH 45)**:*

*Delete the third bullet under subsection titled **We Energies - Electric** under section titled **Project 1060-33-84 (Zoo IC, USH 45)**:*

*Replace the fourth bullet under subsection titled **We Energies - Electric** under section titled **Project 1060-33-84 (Zoo IC, USH 45)** with the following:*

- An underground electric line beginning beyond the southerly project limits and running northerly to a WisDOT lighting cabinet at Station 403NS+40, 81'LT which feeds the lights in the underdeck of the USH 45 bridge. We Energies will discontinue this line in place and reconstruct a new electric service during construction in conjunction with reconstruction of lighting facilities as shown in the plans

*Replace the 21st and 22nd bullets under subsection titled **We Energies - Electric** under section titled **Project 1060-33-84 (Zoo IC, USH 45)** with the following:*

*Delete the last sentence of the twenty-first bullet of the **We Energies – Electric** section.*

- An underground electric line beginning at a pole on the southerly side of Meinecke Avenue at Station 16ME+56, 36'RT and running easterly along the southerly right-of-way of Meinecke Avenue to Station 18ME+11, 30'RT where it turns and runs northerly, crossing Meinecke Avenue at Station 18ME+11, and continuing northerly to Station 18ME+11, 29'LT. From there it turns and runs easterly, crossing 113th Street at Station 19TA+30, and continuing easterly to Station 19TA+32, 22'RT. From there it turns and runs northerly to a transformer and meter serving a Wauwatosa lighting cabinet at Station 19TA+70, 25'RT. We Energies will discontinue this line in place and reconstruct a new electric service during construction in conjunction with reconstruction of lighting and signal facilities as shown in the plans.
- An overhead electric line beginning at a pole on the westerly right-of-way of USH 45 at Station 483NS+06, 152'LT and running northwesterly along the westerly right-of-way of USH 45 to a pole at Station 487NS+63, 268'LT. From there it turns and runs northerly along the westerly right-of-way of USH 45 to a pole at Station 490NS+46, 243'LT.

*Insert the following after the third bullet under subsection titled **We Energies - Gas** under section titled **Project 1060-33-84 (Zoo IC, USH 45)**:*

- An underground electric line beginning at a pole at Station 405NS+73, 97'LT and running southeasterly to a transformer at Station 403NS+05, 77'LT where it turns and runs northwesterly to a WisDOT lighting cabinet at Station 403NS+40, 81'LT.

*Delete the first bullet under subsection titled **We Energies - Gas** under section titled **Project 1060-33-84 (Zoo IC, USH 45)***

*Delete the third bullet under subsection titled **We Energies - Gas** under section titled **Project 1060-33-84 (Zoo IC, USH 45)***

*Replace paragraph one under subsection titled **WisDOT Signals** under section titled **Project 1060-33-84 (Zoo IC, USH 45)** with the following:*

WisDOT has no existing traffic signal facilities within the project limits. Construct, relocate, reconstruct, remove, discontinue and leave in place portions of these facilities as shown in the plans and bid items.

*Delete entire section titled **Project 1060-34-84 (Zoo IC, W-S Ramp)***

*Replace the first bullet under subsection titled **AT&T Wisconsin** under section titled **Project 1060-34-77 (Zoo IC, North Avenue)** with the following:*

- An existing underground communications line beginning beyond the westerly project limits and running easterly along the median of North Avenue to a manhole at Station 100NO+23, 11'LT and continuing easterly to a manhole beyond the project limits at Station 106NO+66, 11'LT. Prior to and during construction, AT&T Wisconsin will relocate portions of this line beginning beyond the westerly project limits and running easterly along a line 20' north of the North Avenue reference line to Station 99NO+33, 20'LT and turning southeasterly to an existing manhole at Station 100NO+23, 11'LT. AT&T Wisconsin relocations anticipated to occur between September 2020 and February 2021.

*Delete the entire subsection titled **Wauwatosa, City of – Traffic Signals** under section titled **Project 1060-34-77 (Zoo IC, North Avenue)**:*

*Replace the third bullet under subsection titled **We Energies - Electric** under section titled **Project 1060-34-77 (Zoo IC, North Avenue)** with the following:*

- An underground electric line beginning at a pole at Station 164TX+00, 23'LT and running northwesterly to a transformer and meter at Station 164TX+04, 26'LT. From there it runs southerly and turns westerly to a manhole located in the north terrace area of North Avenue at Station 98NO+88, 52'LT where it turns and runs southerly to a meter serving a Wauwatosa lighting cabinet in the median at Station 98NO+94, 3'LT. We Energies will discontinue these facilities in place and reconstruct new electric services during construction in conjunction with reconstruction of lighting and signal facilities as shown in the plans.

*Delete the last sentence of the third bullet of the **We Energies – Electric** section.*

10. Other Contracts

Add the following to the end of the section:

Contract 20-01, Project #3009 – City of Wauwatosa

N. 113th St. Utility Improvements

W. Gilbert Ave. to 100' S. of W. North Ave.

Wauwatosa contacts: Mike Maki; (414) 479-8991; Nick Deming: (414) 479-3541

Coordinate construction activities with City of Wauwatosa contractor to allow the construction of sanitary sewer in WisDOT right-of-way from the intersection of 113th Street and Garfield Avenue to 100' south of North Avenue during North Avenue ramp closures.

City of Wauwatosa – Street and Wall Construction 2021

Center Street

112th Street to HWY 100 (Mayfair Road)

City of Wauwatosa Engineer contact: Bill Wehrley (414) 479-8927

142. Lighting Systems

Replace entire article language with the following:

General

Add the following to standard specification sections 651, 652, 653, 654, 655, 656, 657 and 659.

All the work necessary to comply with revisions to standards specifications mentioned herewith shall be incidental to associated pay items or to the project including coordination, materials, and labor. No additional payment shall be made to the Contractor.

Add the following to standard specification subsection 651.2:

Wisconsin Department of Transportation

Materials indicated to be returned to the Department shall be hauled to one of the following two locations:

1. State Electrical Shop at 935 South 60th street, West Allis, as directed by Miss. Bree Johns-Konkol, tel. (414) 266-1170.
2. Milwaukee County Grounds, 10191 West Watertown Plank Road, Wauwatosa, as directed by Mr. Pat Stoetzel, tel. (414) 750-5306.

Arrange pickups and deliveries 3 days in advance and during regular business hours (Monday – Thursday 7:00 AM to 3:45 PM).

City of Wauwatosa

For material to be furnished by the City of Wauwatosa or returned to the City of Wauwatosa, schedule deliveries or pick-ups three working days in advance so that deliveries or pick-ups occur during normal business hours Monday through Thursday. Contact Randy Michelz, at rmichelz@wauwatosa.net or at (414) 471-8429

The City of Wauwatosa is located at 11100 W. Walnut Road, Wauwatosa, WI, 53226.

Add the following to standard specification subsection 651.3.1:

Any circuit that the Contractor does not personally tag out at the disconnect shall be considered live, and will be subject to being activated by another person with no notice to the Contractor. Make tagouts with manufactured tags, and endorse them with the date and the name of the Contractor. Clear tagouts at the end of the workday. The Department or City of Wauwatosa does not employ a load dispatcher and has no intent to do so. Each electrical worker is responsible for their own protection from automatic switching and from switching by others.

The plans show required disconnections of existing lighting circuits, most in the form of abandoning existing underground conductors in place. The Contractor may need to mobilize several times per each existing lighting distribution center. The Contractor is expected to build these costs into the various paid items for removals and installations.

Add the following to standard specification subsection 651.5:

Work to disconnect and connect conductors will be incidental to the paid measurement of footage.

There will be no measurement for payment for abandoning conductors or removing conductors for scrap.

Work to disconnect and connect electrical system, splice through, or to connect conductors are incidental to the installation or removal of the freeway lighting pay items included in this contract. The Department will not measure conductors or conduits that have been abandoned in place or removed for scrap. The Department will allow, at the Contractor's discretion, for the salvaging of conductors to be abandoned, if possible.

Add the following to standard specification subsection 652.3.1.4:

Support conductors at the top of the vertical raceway or as close as practical if the vertical rise exceeds 40-feet. Provide additional supports as shown; in no case shall the distance between supports exceed that shown in Table 300.19(A) of the Wisconsin State Electric Code.

Add the following to standard specification subsection 653.3(1):

This provision modifies the standard detail drawing for pull boxes and thereby both the standard items and SPV pay item for pull boxes. Lighting pull box covers shall read "LIGHTING".

Add the following to standard specification subsection 655.3.1:

Wet location splices are not anticipated on this project and not shown in the plans. In the event that the Engineer allows wet location splices, make pull box splices with Engineer approved epoxy kit for the freeway lighting and should be incidental to the installation of pull box. Use City of Wauwatosa approved splice kit for the local roadway lighting systems city of Wauwatosa accepts Scotchcast 82-A1 for inline splices and 82-B1 for wye splices as manufactured by 3M. Substitute materials shall be approved in writing by the engineer prior to use.

At each pull point or access point, indicate the line side bundle with a lap of blue tape. Conductors in poles and in pull boxes or other terminations shall be marked with a 6-Inch long blue tape wrap to identify the set of conductors emanating from distribution center (feeder).

Add the following to standard specification subsection 655.3.7(4):

Where two or more wire networks pass through a pull point, tag each circuit network (i.e. A/B/N and C/D/N) with approved all-weather tags.

Add the following to standard specification subsection 657.2:

Non-breakaway poles (mounted on structures, concrete bases or behind noise wall barriers without transformer base), as well as at stems of sign bridges containing electrical wires are to be double nutted and Contractor shall install galvanized rat screen enclosing the bottom of pole area; extra nuts and screen incidental.

Add the following to standard specification subsections 657.3.1 and 657.3.5:

Corrosion protection measures described in subsections 657.3.1 and 657.3.5 of the standard specifications are invoked for breakaway transformer bases and aluminum light poles. The Contractor shall avoid contact of dissimilar metals in erecting the pole on its foundation and/or breakaway device. Any concern of trapped moisture or potential corrosion cell shall be resolved to the satisfaction of the Engineer.

Manufacturer's Warranty for LED luminaires: The manufacturer shall warrant to the Department that each complete luminaire (consisting of the housing, optical assembly, LED drivers, surge protection and wiring) will be free from defects in material and workmanship for ten (10) years from the date that the luminaire are put into service. Luminaires shall be installed within one year of manufacture.

If any luminaires fail to meet the above warranty, the Department shall provide the manufacturer with a written notice of any defect within thirty (30) days after discovery of the defect. The manufacturer shall provide all materials, luminaires, replacement component parts, labor and all incidentals necessary to restore the luminaire to a fully operational, installed condition.

Submittal Requirements for LED luminaires: Considering the rapid advancement in LED technology, the overall project construction and duration of construction, within 10 calendar days after contract execution, the Contractor is responsible to coordinate the lead time for LED luminaires purchase and installation schedule with the Engineer and the Department's Lighting Engineer, Eric Perea, at eric.perea@dot.wi.gov or at (414) 750-0935 for freeway lighting system and City of Wauwatosa, Randy Michelz, at rmichelz@wauwatosa.net or (414) 471-8429 for local roadway lighting system prior to order LED luminaires. The LED luminaires purchasing may be done during later stage of construction as directed by the Department which shall not delay the construction.

Add the following to standard specification subsection 659.3:

Provide and install / replace Plaques Light Pole on all poles located in the median at a mounting height of 6-inch above the highest adjacent safety barrier or obstruction.

Add the following to standard specification 659.3.1:

Contractor shall be responsible to provide adequate temporary roadway lighting during all the construction stages not shown on the temporary lighting plans, but which are necessitated by field conditions or by any construction phasing changes. Installation of temporary lighting not shown on temporary lighting plans shall be paid according to appropriate pay items included in this contract. Contractor shall be responsible to submit a redline markup plans for any additional temporary lighting to the Engineer for approval prior to installation.

296. Steel Casing w/ Sanitary Sewer 10-Inch PVC Carrier, Item SPV.0090.5104

Add the following after the last paragraph of section titled B Materials:

Provide controlled low strength backfill for the boring and receiving pits that consists of a designed cementitious mixture of natural or processed materials. Allowable materials include natural sand, natural

gravel, produced sand, foundry sand, produced gravel, fly ash, Portland cement, and other broken or fragmented mineral materials. The designed mixture shall be self-leveling and shall be free of shrinkage after hardening. Design the mixture to reach a state of hardening before casting successive lifts such that it can support foot traffic without indenting more than 2 inches in approximately 1 hour. Provide a mixture that also meets the following requirements.

Test	Method	Value
Flow (inch)	ASTM D-6103	9 min
Compressive Strength (psi)	ASTM D-4832	50 min. @ 1 hour 50-80 @ 28 days 80-300 @ 90 days

Chemical admixtures to control air content and setting time are allowable. Ten days prior to placement, furnish the engineer with a design mix detailing all components and their proportions in the mix. Also, provide documentation from the supplier of the industrial byproducts that the foundry sand and fly ash used in the mixture meet the requirements for Industrial Byproducts Categories 1, 2, 3, or 4 in NR 538 of the Wisconsin Administrative Code for use as a confined geotechnical fill.

*Delete the tenth paragraph of the **C Construction** section and replace with the following paragraphs:*

Damage to utilities and the resulting repair, temporary service cost, etc., shall be borne by the contractor.

Place controlled low strength backfill in the boring and receiving pits to the lines and grades as shown on the plan. Proportion and mix materials to produce a product of consistent texture and flow characteristics. The engineer may reject any materials exhibiting a substantial change in properties, appearance, or composition.

If the official Weather Bureau forecast for the construction site predicts temperatures at or below freezing within the next 24 hours after placement of controlled low strength backfill, protect the placed materials from freezing during that time period. If the temperature is not forecast to rise above 40° F for 72 hours after placement, the engineer may require protection from freezing for up to 72 hours.

No controlled low strength backfill shall be allowed to enter any stream, lake, or sewer system. The contractor shall be responsible for any clean up or remediation costs resulting from such occurrences.

*Delete the last paragraph of the **E Payment** section and replace with the following:*

Payment is full compensation for furnishing all labor, equipment, tools, materials and incidentals including sheeting, shoring, bracing, boring and receiving pit excavations and backfill, dewatering, casing pipe, removing shoring, removing sheeting, removing bracing, spacers, carrier pipe, end seals and lubricant work in accordance to the contract.

351. Clay Cap, Item SPV.0035.0004.

A Description

This special provision describes furnishing and installing the clay cap material to cap the low level petroleum contaminated soil material placed at the designated fill sites as shown in the plans.

B Materials

The clay material can be acquired on site or be furnished by the contractor from a borrow site. The contractor shall submit laboratory test results of the clay cap material from onsite or borrow source(s) documenting that the clay meets or exceeds the clay material specifications prior to the start of cap construction and prior to bringing borrow to the site. The laboratory tests shall be conducted on clay material from on site or borrow areas at the frequency listed below and be performed according to ASTM standard methods as listed below. The test results shall be submitted to the engineer for review and approval prior to construction. The following tests are required:

- A minimum of 50 percent by weight which passes the 200 sieve.
- Liquid Limit (LL): 22 percent or greater.
- Plasticity Index (PI): 12 percent or greater.

Clay not meeting these three requirements shall be removed and disposed of by the contractor without additional payment.

In addition to the three above testing requirements, the contractor shall provide additional test results for any clay furnished to be used for informational purposes. These testing results are listed below.

Reference standards are listed as follows:

American Society for Testing and Materials (ASTM):

- ASTM D698 Test for Moisture-Density Relations of Soils and Soil Aggregate Mixtures Using 5.5 lb Rammer and 12 in. Drop (Standard Proctor).
- ASTM D2922 Test for Density of Soil In Place by Nuclear Method (Shallow Depth).
- ASTM D1140 Test Method for Amount of Materials in Soils Finer than the No. 200 Sieve.
- ASTM D422 Method for Particle-Size Analysis of Soils.
- ASTM D4318 Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils.
- ASTM D2487 Classification of Soils for Engineering Purposes.

Number of Required Tests

Test	One Borrow Source Only and Also For Onsite Clay	Multiple Borrow Sources	Minimum Requirement
Grain Size Analysis	3 (Total)	1 test/4,500 cy or less/site ^(a)	≥ 50% by Wt. Passing 200 Sieve
Hydrometer Analysis	3 (Total)	1 test/4,500 cy or less/site ^(a)	Info. Only
Atterberg Limits (ASTM D4318)	3 (Total)	1 test/2,250 cy or less/site ^(a)	LL ≥ 22% PI ≥ 12%

USCS Classification (ASTM D2487)	3 (Total)	1 test/2,250 cy or less/site ^(a)	Info. Only
Standard Proctor Analysis 5- Point Curve (Minimum) (ASTM D698)	2 (Total)	1 test/5,000 cy or less/site ^(b)	Info. Only

^(a) For each clay borrow site to be used, one test Grain Size and Hydrometer shall be performed and provided to engineer for each 4,500 cubic yards or less of clay to be obtained from each of the borrow sources. For each clay borrow site to be used, one Atterberg Limits and USCS Classification shall be performed and provided to engineer for each 2,250 cubic yards or less of clay to be obtained from each of the borrow sources.

^(b) For each clay borrow site to be used, one test shall be performed and provided to engineer for each 10,000 cubic yards or less of clay to be obtained from each of the borrow sources.

C Construction

C.1 Clay Cap Placement

C.1.2 Clay Cap

Before the waste is placed, the existing surface will need to be scarified to a 1-foot depth and re-compacted to at least 95 percent of the Standard Proctor (ASTM D-698) value for the soil at a moisture content between 90 percent to 105 percent of the optimum moisture content. Clay cap can only be placed after testing confirms that the subgrade has achieved the density and moisture content requirements

After the grading is complete, the contractor shall place and compact approved clay cap material a maximum of 6-inch lifts for a total compacted thickness of 24 inches.

Contractor shall notify the engineer at least three days prior to start of placing clay cap.

Lift thickness shall be 6 inches maximum after compaction.

Clay cap shall be 24 inches thick measured perpendicular to the surface.

Compact clay to a minimum of 95% Standard Proctor Maximum Density (ASTM D698) with a sheepsfoot roller or other suitable equipment.

Placement of each lift shall not proceed until all required clay testing and documentation has been completed for the previous lift.

The moisture content of the clay during placement shall be:

- No drier than 90 percent of the optimum moisture content as determined by ASTM D698.
- No wetter than 105 percent above the optimum moisture content as determined by ASTM D698.

Excessively dry or wet clay soil shall be properly moisture-conditioned to within the above range of values.

Provide all equipment necessary to adjust clay to the proper moisture content for compaction.

The contractor is responsible for construction of the clay cap per the plans. If the in-place clay cap fails to meet the requirements of this section, the contractor shall be responsible for the following:

- Removing and replacing or reworking any portion of the clay cap not meeting the project specifications until project specifications are met.

- The contractor shall not be compensated for removing, replacing and reworking clay cap not meeting the specification requirements.

C.1.4 Testing of Constructed Soils

As construction of the clay cap proceeds, the department will provide all required on-site quality control testing of installed materials as follows:

- Record thickness of clay cap.
- Density testing (ASTM D2922) on after the clay is placed and compacted. One test per lift (minimum) or one test for every 25,000 sq. foot of lift constructed, whichever is greater.
- HTCP certified person will perform all necessary sampling, testing, data analysis and documentation during all Clay Cap placement and compaction.
- One Standard Proctor (ATM D698) for each soil type used but no less than one Proctor analysis for each 5,000 cubic yards of clay placed.
- After the cap is placed and compacted, one Shelby tube sample and bulk sample shall be retrieved and analyzed for the following:
 - Grain size distribution and hydrometer analysis.
 - Moisture content.
 - Dry density.
 - Atterberg Limits.

The contractor shall provide the following:

- Access for on-site testing, inspection, and documentation.
- Machinery required to grade/blade density test locations.
- Machinery required to obtain undisturbed clay samples (i.e., with Shelby tubes).
- Replace and recompact clay material removed for testing purposes.

D Measurement

The department will measure Clay Cap by the cubic yard, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.0004	Clay Cap	CY

Payment is full compensation for furnishing, placing and compacting the clay cap on the surface of the Excavation, Hauling, and Reuse of Low-Level Petroleum-Contaminated Soil stock pile material.

352. Lighting Pull Boxes Wauwatosa 17-Inch x 30-Inch, Item SPV.0060.1010; Lighting Pull Boxes Wauwatosa 24-Inch x 36-Inch, Item SPV.0060.1011.

A Description

This special provision describes furnishing and installing polymer concrete electrical pull boxes at the locations shown on the plans in accordance to section 653 of the standard specification.

B Materials

Furnish precast polymer concrete (quazite) pull boxes of rectangular composite enclosure with nominal 17” wide x 30” long and 24” total depth, 24” wide x 36” long and 24” total depth, Style-PG, open bottom, # PG1730BA24 and # PG2436BA24 as manufactured by Hubbell Power Systems, Inc. or approved equal.

Cover shall be heavy duty, bolted cover with logo code 41 "STREET LIGHTING" #PG1730HA41 and PG2436HA41. The pull boxes shall be listed and labeled by (UL) or other Nationally Recognized Testing Laboratory.

C Construction

Conform to standard specification 673.3 and City of Wauwatosa standards. The pull boxes shall be installed 12-inches of crushed stone, set flush with grade and backfilled.

D Measurement

The Department will measure Lighting Pull Boxes Wauwatosa 17-Inch x 30-Inch and Lighting Pull Boxes Wauwatosa 24-Inch x 36-Inch as each individual lighting pull box, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.1010	Lighting Pull Boxes Wauwatosa 17-Inch x 30-Inch	EACH
SPV.0060.1011	Lighting Pull Boxes Wauwatosa 24-Inch x 36-Inch	EACH

Payment is full compensation for furnishing and installing all materials, including pull box, crushed aggregate, for excavation, backfill, for disposing of surplus material; and for furnishing all labor, tools, equipment and incidentals necessary to complete the contract work.

353. 23-FT Standard Concrete Light Poles and Arms, Item SPV.0060.1012

A Description

This special provision describes furnishing and installing light poles, mast arms, pole wiring/fusing and all miscellaneous hardware required to complete the installation of light poles, in accordance with Section 657 of the State Specs, as shown on the plans, and as hereinafter provided.

B Materials

Furnish and deliver light poles and arms conforming to the details as shown on the plans. The poles shall be sky gray colored, polished finished with acrylic seal.

All standards furnished shall be cast in metal molds true to design. Time of mixing shall be sufficient to ensure that all particles shall be thoroughly wetted. Concrete shall be placed in one continuous operation. When filled, the mold shall be rotated at a high speed to ensure a dense concrete by centrifugal force, and produce a cable raceway throughout the length of the standard not less than 2 1/2" at the location of the hand holes and a minimum of 1 1/2" at top of pole. The poles shall then be polished to a smooth ground finish. Reinforcing shall be in accordance with this specification to assure that no cracking shall occur during normal handling.

The span concrete poles are to be octagonal in shape and carry a 0.125 inch/foot taper, and have a sky gray finish. Shaft length is in general to be a minimum. of 27'-7" and a maximum of 28'-0". The pole is to be 23'-0" above grade. The butt diameter shall be 8" minimum and the top diameter shall be 5" minimum. The hand hole shall be 2 1/2" x 12" minimum and 18" above grade. Two (2) cable entrances shall be provided on the pole at 90 degrees on either side of the hand hole. The cable entrances shall be 18" below grade and a minimum size of 2-1/4" x 8". The hand hole cover shall be flush with pole.

The pole shafts shall be fiber reinforced, air-entrained concrete, 5/8" minimum coverage over reinforcement (7,000 psi minimum).

Manufacturer's conformance to specifications shall be certified by an independent testing laboratory.

Poles shall be furnished with flush aluminum cover plate for hand hole and all other necessary hardware. This hardware shall include a removable metal cap which will protect the required open cable raceway at the top from the weather, nonferrous inserts for securing accessories such as cast aluminum pole cap, bracket brace, hand hole cover, etc., 6'-0" x 2" dia. mast arm of galvanized steel or aluminum with 1-1/4" slipfitter, stainless steel or silicone bronze nuts and bolts. Brackets for mast arm are to be one piece (no welds).

All poles shall be guaranteed against defect for a period of 5 yrs. If defects are discovered, poles shall be replaced on a two-for-one basis.

Pole Wiring/fusing: Conductors from the underground cable network shall be Type RHW-2/USE-2 (XLP) individual conductors. In each utilized phase conductor in the handhole, there shall be installed a 1-pole secondary inline 600 VAC fuse assembly as manufactured by BUSS Tron HEB series fuseholder with weatherproof boots, or approved equal, with a KTK fuse. Conductors shall have sufficient length to permit removal of the fuse assembly through the handhole of the pole.

C Construction

Install the poles as required by plans.

The poles shall be located 2'-6" to center from the face of the curb. The pole shall be located so that the hand hole shall be on the sidewalk side. The pole shall have a back rake so that the sidewalk face of the pole is vertical. Compacted limestone 3/8" screened chips shall be provided around the base in accordance with the pole detail. The Contractor shall contact the pole supplier to coordinate delivery time and location. The handhole screws on the new poles are to be lubricated with a non-seizing compound.

Furnish and install all incidental items, including but not limited to nut covers, pole wiring/fusing, and grommets necessary to make the unit complete.

D Measurement

The Department will measure 23-FT Standard Concrete Light Poles and Arms, completed in accordance with the contract, as each individual unit acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.1012	23-FT Standard Concrete Light Poles and Arms	EACH

Payment is full compensation for materials, including but not limited to poles, transformers, pole wiring/fusing, and hardware as necessary to completely install the pole and mast arm; for transportation, all labor, tools, equipment, materials, and incidentals necessary to complete the work.

354. Lighting Control Cabinet 240/480 - Wauwatosa, Item SPV.0060.1013

A Description

This special provision describes furnishing and installing a street lighting distribution center located as shown. The distribution center is to match the City of Wauwatosa standard distribution cabinets.

Work under this item consists of furnishing and installing 240/480-volt, 200-amp electrical service enclosure for power distribution. The distribution centers shall include but not limited to a NEMA 3R aluminum cabinet, panelboard, circuit breakers, lighting contactor with photoelectric control, wiring, all equipment and materials as shown in the plans.

The meter pedestal and concrete base will be paid under a separate bid item.

B Materials

The cabinet with all of its electrical components, wiring and parts shall be listed and labeled by Underwriters Laboratories (UL) or other Nationally Recognized Testing Laboratory as a complete assembled unit.

All materials furnished by the contractor for highway lighting installation under this contract are subject to approval by the engineer.

B.1 Enclosure

The enclosure shall be manufactured by Bison Pro Fab (800) 825-3805, APX Enclosures (717) 328-9399 or approved equal.

Control enclosure shall be NEMA-3R made from 12-gauge Type 304 stainless steel with #3 finish. Seams shall be continuously welded and ground smooth. All hardware shall be Type 304 stainless steel.

Enclosure shall be free standing with an overall height of 54-inches, a width of 48-inches and a depth of 24-inches. Enclosure shall have a 2-inch wide inside flange at the front, back and sides for anchoring to base. Side and back walls shall be stiffened with two vertical stainless steel equipment mounting rails per wall. The door frame shall be double flanged.

The cabinet top shall be sloped to drain and shall have a drip shield over door. Provide screened vent slots (1/8" x 1") under the cabinet overhang located in the top face above door opening.

Outer door shall be NEMA 3R, 12-gauge, with cellular neoprene gasket and a three position door stop rod. Door shall be hinged with a continuous 14-gauge stainless steel hinge secured with 1/4-20 stainless steel carriage bolts.

Provide 3-point latching system with 3/4" diameter stainless steel padlocking handle. Also provide a Corbin No.2 deadbolt lock with two keys.

Enclosure shall have a 0.125-inch thick 5052-H32 aluminum mounting panel at back (interior) of enclosure.

Provide plastic print pocket attached to inside of door.

B.2 Main Disconnect

200A, 2-pole, 600VAC, Square-D #JGL26200 or approved equal. Provide a NEMA 4X stainless steel enclosure Model J250DS-SPLO. Unit shall lockable in the ON and OFF position. Mount unit on exterior of enclosure.

B.3 Contactor

200A, 2-pole, Mechanically Held, 120V Coil, Square-D #8903-SVO10-V02 or equal. Mount directly to back panel. Construct separate latching / unlatching circuit using 8-pin DPDT relay and socket (120V coil, 10A contacts) Square-D or equal.

B.4 Control Transformer

240VAC Primary, 120VAC Secondary, 1PH, 3KVA, Square-D #3S1F. Furnish Square-D #9080FB1211R or equal fuse block assembly with 15A fuse to protect line side of transformer.

B.5 Secondary Load Center

Provide circuit breaker enclosure for secondary circuits, Square-D #QO24L70S or equal with one 20A breaker (#QO120) for maintenance circuit, one 15A breaker (#QO115) for photocell circuit, and one #PK0GTA2 Ground Bar.

B.6 Photocell

The photocell shall be of the button type and installed in the sidewall of the control cabinet facing north. Apply silicon caulk to maintain the integrity of the enclosure. The photocell shall be rated for 120V, 1800W

with 30-60 second delay between “on-off” operations and be warranted for 5-years. Intermatic #K4021C or approved equal.

B.7 Hand-Off-Auto Switch

Square-D #9001-KS43B or equal switch body, #9001-KA1 contact block and #9001-KN760WP nameplate mounted in Hoffman #E-1PB or equal one hole box.

B.8 Other Devices

Furnish one 120V GFI duplex service receptacle in surface mounted box, and one 120V incandescent light fixture. Light fixture shall be wall mount type with gasketed vapor tight globe, wire guard, lamp, and on / off switch in surface mounted box. The components should be as shown below or approved equal.

Duplex GFCI Receptacle: 4” SQ Deep Box:	Hubbell #GFR52521A Appleton #4SDEK or equal with #8362 Cover
Vapor Tight Fixture: 4” Oct. Box: Bulb:	Epc0 #15000 with 15063 Wire Guard Appleton #40D-1/2 GE 60W
Light Switch: 4” SQ Deep Box:	Hubbell #HBL1201 Appleton #4SDEK with #8361 Cover

Provide an insulated groundable neutral assembly, and service ground kit

B.9 Neutral Bar – 240V Circuits

1/4”x 4”x 18” Copper Bus Bar with Mounting Hardware, Square-D #SN225KA or equal. Provide copper mechanical lugs for all conductors to bus bar, Burndy #KA25 or equal.

B.10 Panelboard

Panelboard shall include 240/480 volt, 225A Square ‘D’ panel, 100A main circuit breaker, 30A branch circuit breakers and ground bar as follows or approved equal:

<u>Panelboard:</u>	(1) – Square-D 400A, 600V, I-Line, #HKA-225-S4 (Note: model based on need to maintain consistency with other distribution centers. Model is OEM)
<u>Ground Bar:</u>	(1) – Square-D #PK0GTA2
<u>Main Breaker:</u>	(1) – Square-D 2-Pole, 200A, 600V, I-Line, #JGA26200AB
<u>Circuit Breakers:</u>	Square D I-Line 30A #FA-14040A Square D I-Line 30A #FA-14040B

Provide fillers (Square-D #HNM1BL or #HNM4BL or equal) as required.

All Materials and Methods of Construction shall be in accordance with the applicable provisions of Section 656 of the WisDOT Standard Specifications.

C Construction

The Contractor shall be responsible for coordinating the timely installation of the service lateral by the utility. Provide ground rods as shown with a minimum of four at 5/8” Dia. by 10’ long separated by not less than 10’-0” and ground conductor meeting Table 259-94 of the N.E.C. Connections between the ground conductor and ground rod shall be via an exothermic type connection process.

All wire in a conduit shall be pulled through at the same time. If required to pull wire through an occupied conduit, the existing wire shall first be removed and examined. If defective, the old wire shall be replaced for separate payment. If not defective, the old wire shall be pulled through with the new. Removal, inspection, and repulling of old wire is an incidental to the pulling of new wire. The cables shall be trained in straight horizontal and vertical directions and be parallel next to and adjacent to other cables whenever possible, using cable clamps attached with #10 screw to mounting panel, Panduit CCH series or approved equal. Adhesive type clamps are not allowed. All equipment shall be mounted to panel in enclosure unless otherwise indicated. Cabinet interior shall be cleaned of all construction debris prior to final acceptance.

Electrical permits and all applications will be required.

D Measurement

The department will measure by each Lighting Control Cabinet 240/480 – Wauwatosa as individual unit acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.1013	Lighting Control Cabinet 240/480 - Wauwatosa	Each

Payment is full compensation for furnishing and installing all materials including electrical enclosure and all contents, construction and required line and load side connections; for all incidentals; and for all labor, tools, equipment, materials and incidentals necessary to complete the work.

355. Luminaires Utility LED A (30K), Item SPV.0060.1014; Luminaires Utility LED C (30K), Item SPV.0060.1015.

A Description

This special provision describes furnishing and installing Luminaires LED with correlated color temperature of 3000K (30K) and 70 CRI minimum according to standard spec 659 and hereinafter provided.

B Materials

Conform to standard spec 659.2.

C Construction

Conform to standard spec 659.3.

D Measurement

The Department will measure Luminaires Utility LED A (30K) and Luminaires Utility LED C (30K), as each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.1014	Luminaires Utility LED A (30K)	EACH
SPV.0060.1015	Luminaires Utility LED C (30K)	EACH

Basis of payment will be standard spec 659.5(2) and 659.5(3).

356. Polyethylene Duct 1 ¼-Inch, Item SPV.0090.1004.

A Description

This special provision describes furnishing and installing underground Cable-In-Duct, 2-conductors AWG No. 4 with AWG No. 8 Ground, including Cable Testing, and Erosion Control (as required). Cable in Duct shall be installed in earth, in conduit, in lighting poles and distribution centers, and at other locations as shown in the plans or required to suit field conditions.

All work under this item shall be completed in accordance to section 655 of the standard specifications except as hereinafter amended.

Conductors shall be installed after duct is installed and paid for separately.

B Materials

The duct shall comply with section 655 of the standard specifications.

C Construction

The duct shall be installed in accordance to section 655 of the standard specifications.

D Measurement

The Department will measure Polyethylene Duct 1 ¼-Inch by the linear 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.0090.1004	Polyethylene Duct 1 ¼-Inch	LF

Payment is full compensation for furnishing and installing materials, including duct, for excavating trenches, for placing duct; for backfilling; for restoring disturbed or damaged areas, including sodding; for making connections and testing installed cable system; for disposing of surplus material; and for furnishing all labor, tools, equipment and incidentals necessary to complete the contract work.

Schedule of Items

Attached, dated September 24, 2020, are the revised Schedule of Items Pages 1 – 66.

Plan Sheets

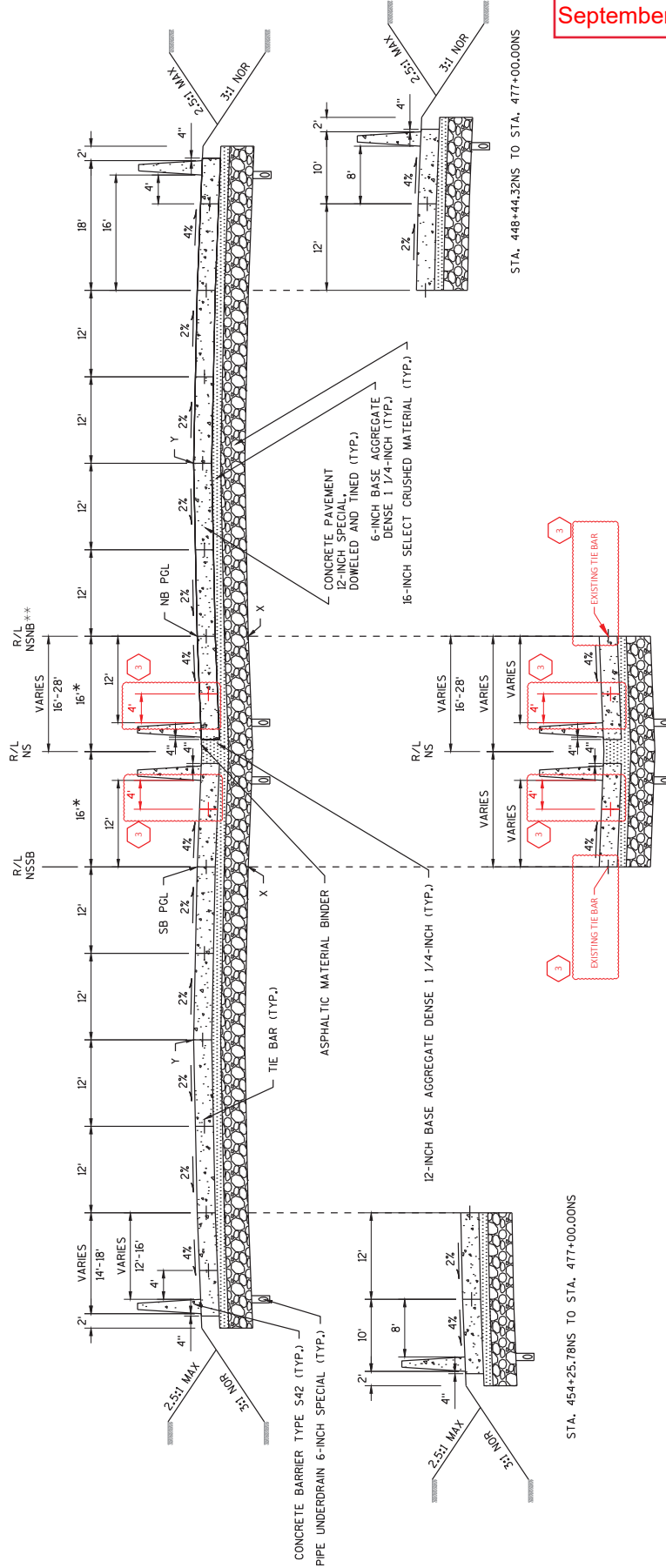
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

1060-33-84

Revised: 25-26, 60, 598-607, 990, 1009, 1011-1014, 1154-1161, 1984, 2180, 2197, 2344, 2348, 2349, 2352, 2353, 2358, 2359, 2360, 2367

Added: 54A-B, 60A, 545A, 1422A-B

END OF ADDENDUM



Addendum No. 03
 ID 1060-33-84
 Revised Sheet 25
 September 24, 2020

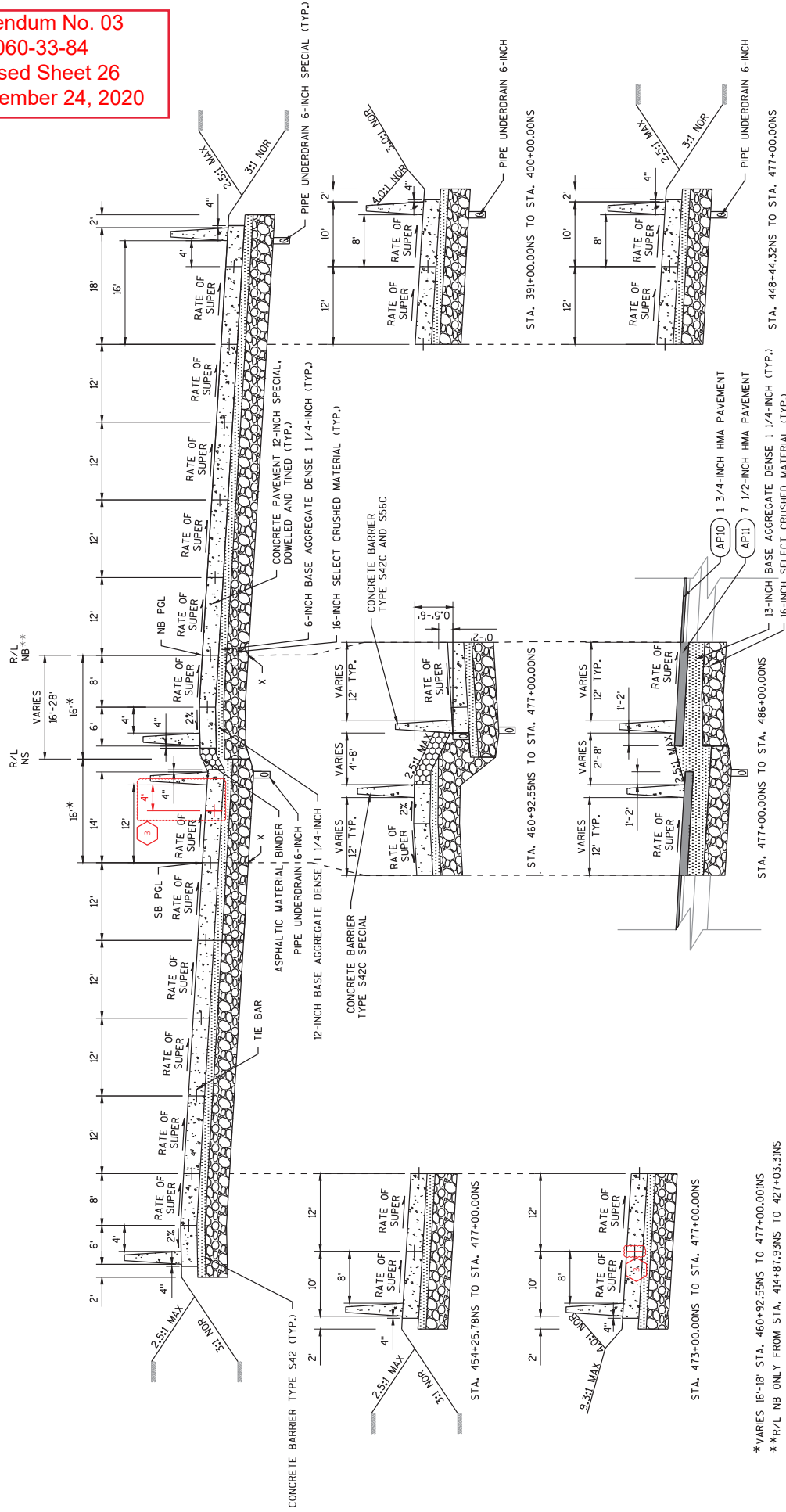
NOTES:
 X = POINT REFERRED TO ON CROSS-SECTION
 Y = CROWN POINT
 PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATIONS

TYPICAL FINISHED NORMAL CROWN SECTION
 IH 417/USH 45
 STA. 385+89.93NS TO STA. 477+00.00NS

*VARIES 16'-18' STA. 457+92.50NS TO 477+00.00NS
 **R/L NSNB ONLY FROM STA. 414+87.93NS TO 427+03.3MS

Addendum No. 03
 ID 1060-33-84
 Revised Sheet 26
 September 24, 2020

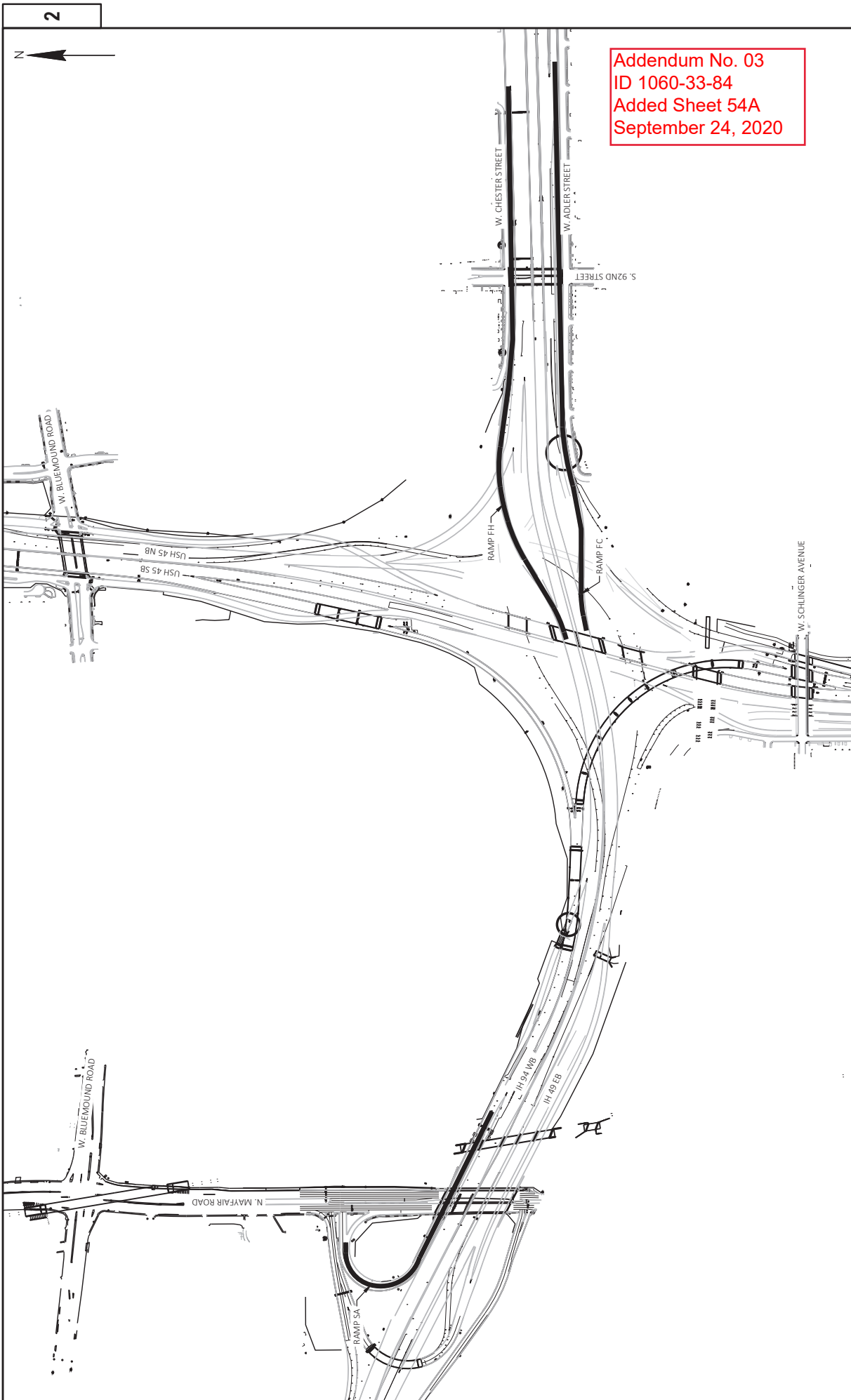
2



NOTES:
 X = POINT REFERRED TO ON CROSS-SECTION
 Y = CROWN POINT
 POL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATIONS

TYPICAL FINISHED SUPERELEVATED SECTION
 I-41/USH 45
 STA. 385+89.93NS TO STA. 477+00.00NS

* VARIES 16'-18" STA. 460+92.55NS TO 477+00.00NS
 ** R/L NB ONLY FROM STA. 414+87.93NS TO 427+03.31NS

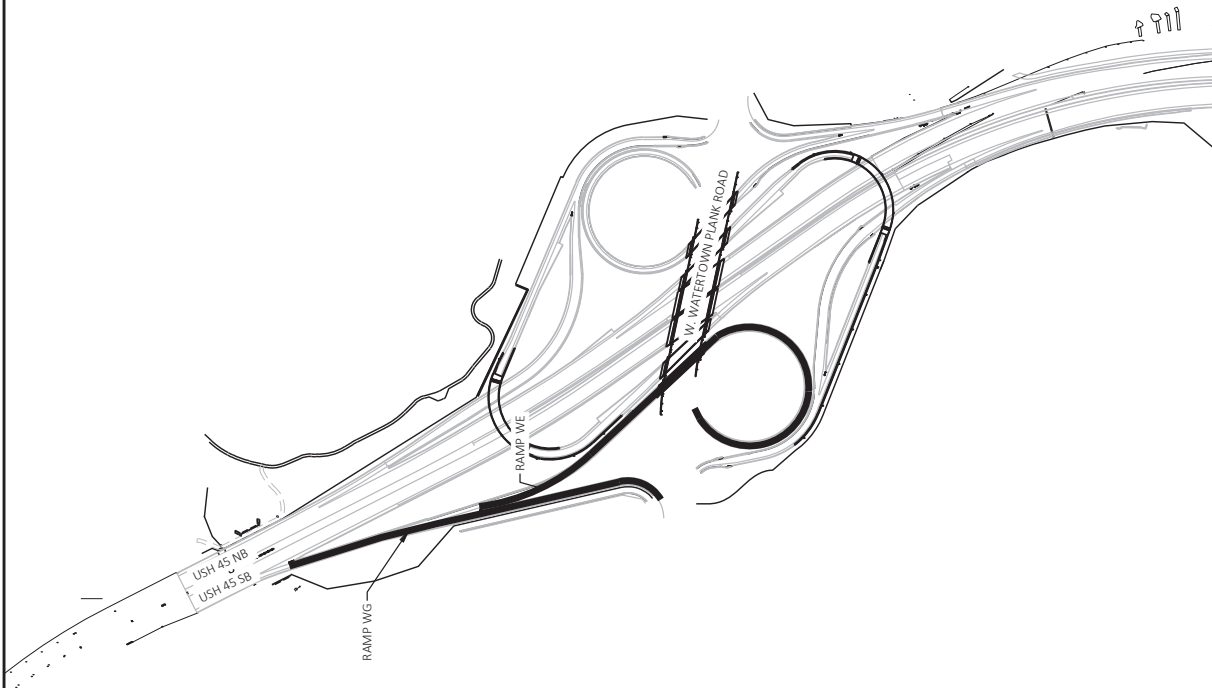


Addendum No. 03
 ID 1060-33-84
 Added Sheet 54A
 September 24, 2020

PROJECT NO: 1060-33-84	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS - CROSS-STITCHING LOCATIONS	SHEET 54A	E
FILE NAME: W:\P\PS\CD\10603384\03\PLAN\021000A_CD.DWG	PLANNING: MANNEN, WAYNE	PLANNING: MANNEN, WAYNE	SCALE: 1 IN=500 FT	WISDOT/CADDIS SHEET 42
LAYOUT NAME: 021000A_CD	DATE: 9/23/2020 7:56 AM	DATE: 9/23/2020 7:56 AM		
	HWY: IH 41			



Addendum No. 03
ID 1060-33-84
Added Sheet 54B
September 24, 2020



PROJECT NO: 1060-33-84

FILE NAME: W:\PDS\CD\10603384\SD\PLAN\02100A_CD.DWG
LAYOUT NAME: 02100B.ECD

HWY: IH41

COUNTY: MILWAUKEE

PLOT DATE: 9/23/2020 7:57 AM

CONSTRUCTION DETAILS - CROSS-STITCHING LOCATIONS

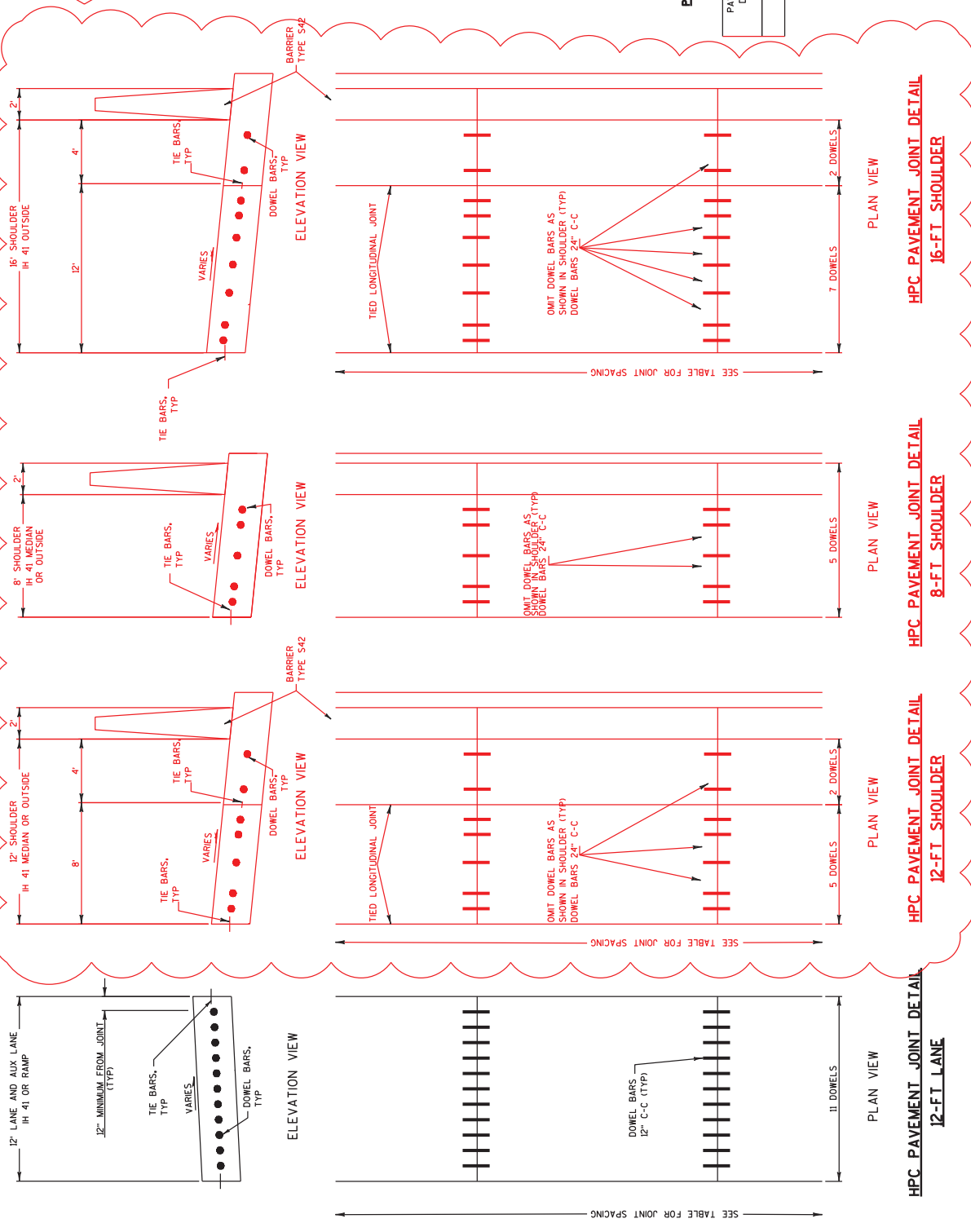
PLOT BY: MANVEN, WAYNE

PLOT NAME:

SHEET 54B

WISDOT/CADDIS SHEET 42

Addendum No. 03
 ID 1060-33-84
 Revised Sheet 60
 September 24, 2020

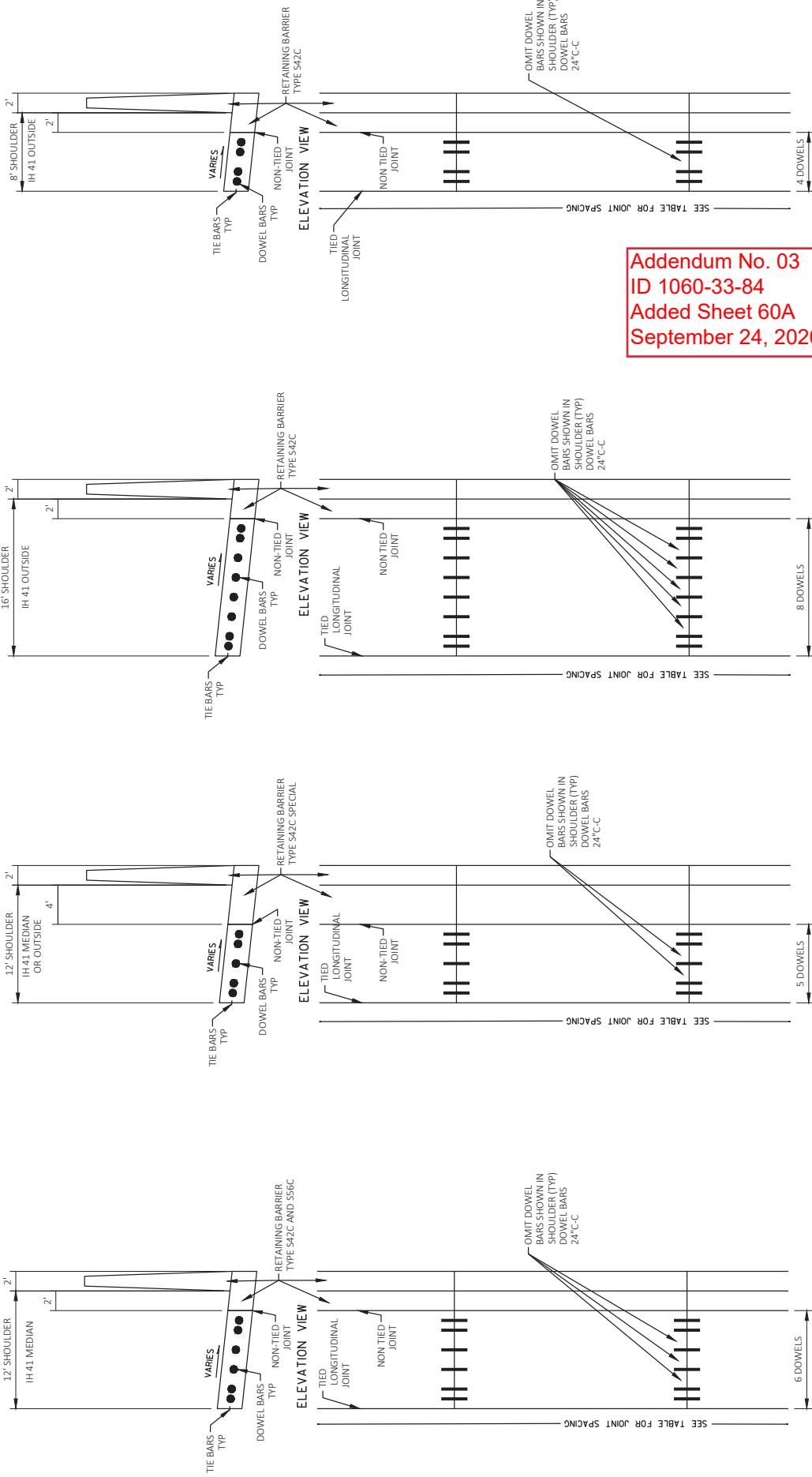


- NOTES**
- 1) ALL DRIVING LANES AND AUX LANES TO HAVE DOWEL BARS SPACED 12 INCHES FROM CENTER TO CENTER.
 - 2) DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS.
 - 3) LOCATE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS 12 INCHES FROM THE EDGE OF PAVEMENT OR LONGITUDINAL JOINT.
 - 4) TREAT SAWED SURFACES OF TRANSVERSE AND LONGITUDINAL JOINTS WITH SILANE SEALANT.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
12"	1 1/2"	15'

HPC PAVEMENT JOINT DETAIL 12-FT LANE
 HPC PAVEMENT JOINT DETAIL 12-FT SHOULDER
 HPC PAVEMENT JOINT DETAIL 8-FT SHOULDER
 HPC PAVEMENT JOINT DETAIL 16-FT SHOULDER



PLAN VIEW

PLAN VIEW

PLAN VIEW

PLAN VIEW

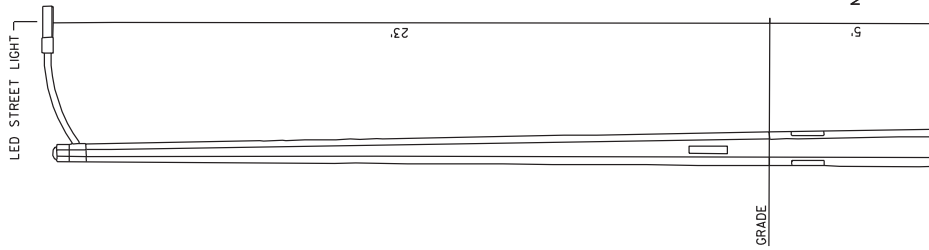
HPC PAVEMENT JOINT DETAIL
 12-FT SHOULDER
 (RETAINING BARRIER)

HPC PAVEMENT JOINT DETAIL
 12-FT SHOULDER
 (RETAINING BARRIER SPECIAL)

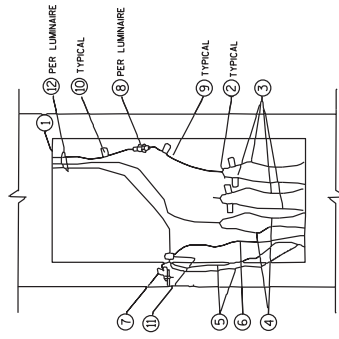
HPC PAVEMENT JOINT DETAIL
 16-FT SHOULDER
 (RETAINING BARRIER)

HPC PAVEMENT JOINT DETAIL
 8-FT SHOULDER
 (RETAINING BARRIER)

PROJECT NO: 1060-33-84	COUNTY: MILWAUKEE	CONSTRUCTION DETAIL	SHEET 60A
HWY: IH 41	FLY: 1 IN=10 FT	FLY NAME: MARYEN, WAYNE	WSDOT/CADD SHEET 42
FILE NAME: W:\NPS\C3D\10603316\BA\DSNPL\AN021000.CD.DWG	DATE: 9/24/2020 9:46 AM	DATE: 9/24/2020 9:46 AM	DATE: 9/24/2020 9:46 AM
LAYOUT NAME: - 52 - 02000.CD - 02002.CD			

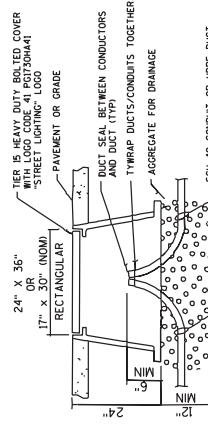


CONCRETE POLE DETAIL
NTS



- 1 HANDHOLE AND COVER
- 2 INSULATED SPLICE
- 3 UNGROUNDED CONDUCTORS
- 4 GROUNDED CONDUCTORS
- 5 SYSTEM GROUNDING CONDUCTORS
- 6 GROUND CONDUCTOR TO GROUND ROD
- 7 HANDHOLE GROUNDING LUG
- 8 INLINE FUSE ASSEMBLY W/5A KTK FUSE WITH WEATHERPROOF BOOTS AND FUSE ASSEMBLY
- 9 CIRCUIT TAG
- 10 REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTION (NOT INSULATED)
- 12 3"10 RHW/USE TO LUMINAIRE

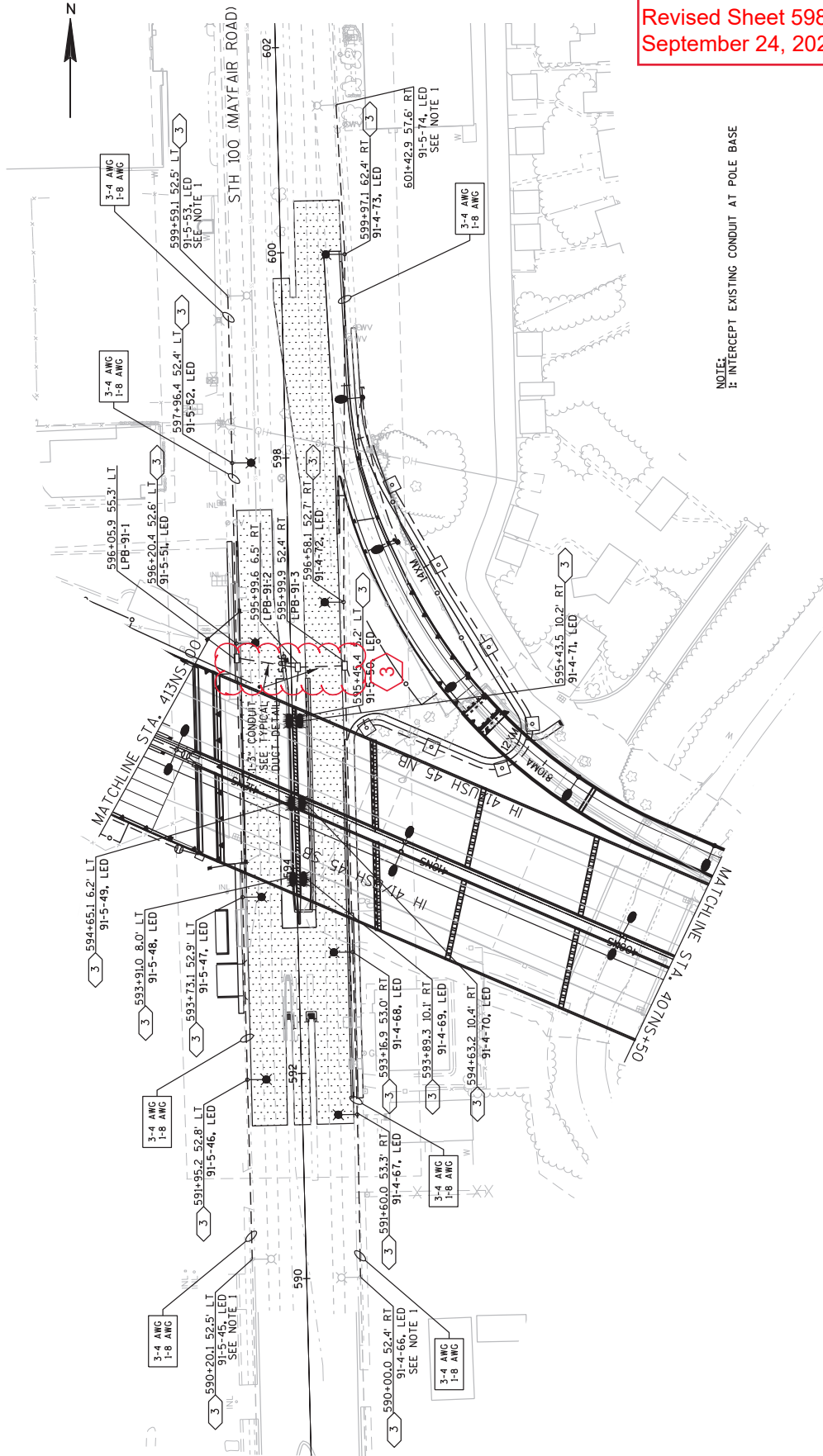
STANDARD POLE WIRING DETAIL
NTS



- NOTE:
1. PULL BOX IS A LULUPT30BA24 OR PG2436BA24 LISTED CONCRETE COMPOSITE

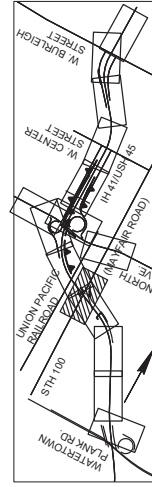
LIGHTING (STREET LIGHTING) PULL BOX
NTS

Addendum No. 03
ID 1060-33-84
Added Sheet 545A
September 24, 2020

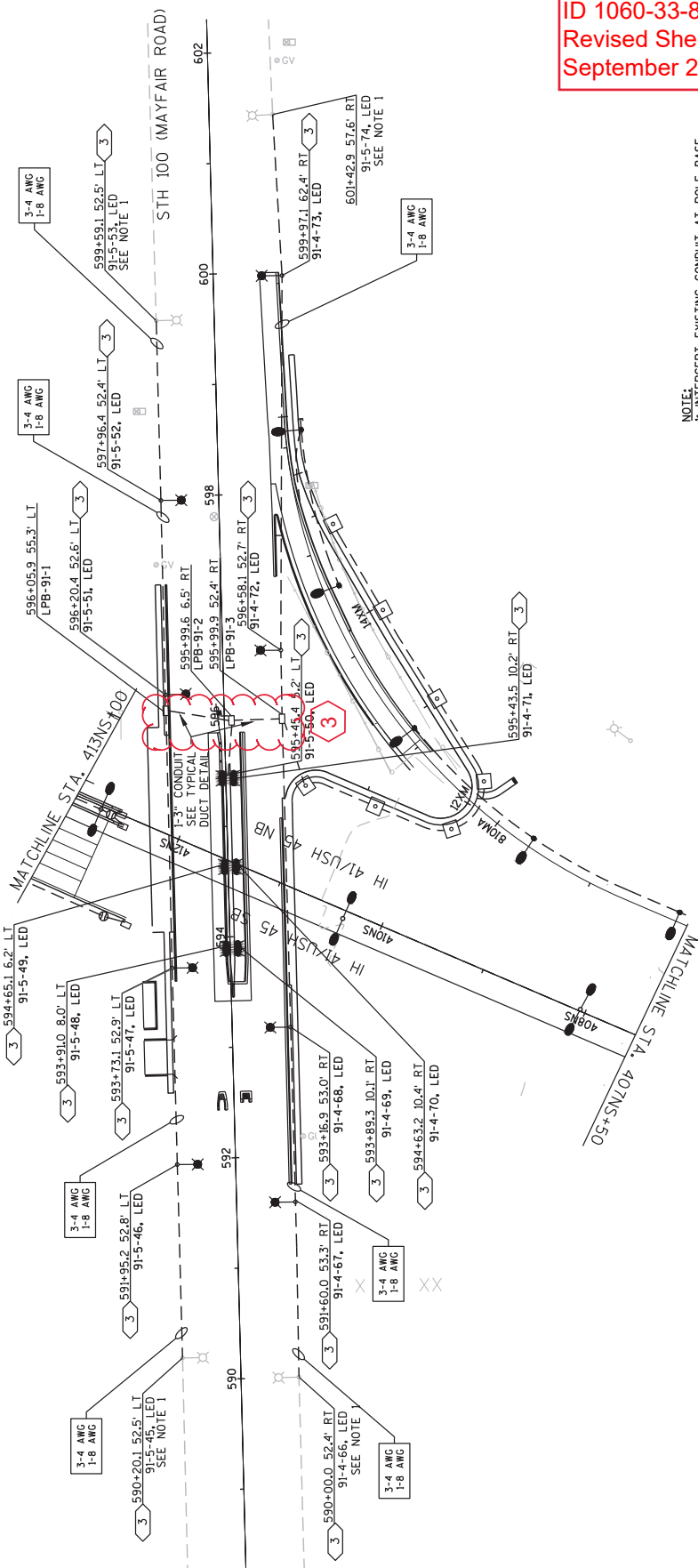


Addendum No. 03
 ID 1060-33-84
 Revised Sheet 598
 September 24, 2020

NOTE:
 I: INTERCEPT EXISTING CONDUIT AT POLE BASE

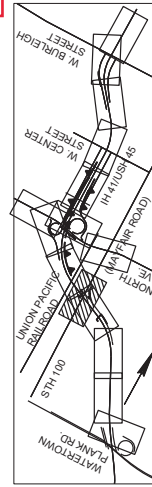


PROJECT NO: 1060-33-84	COUNTY: MILWAUKEE	SHEET 598	SHEET 1 OF 2
HWY: IH 41	LIGHTING PLANS - FINAL - LOCAL ROADWAY - MAYFAIR ROAD		
FILE NAME : W:\PROJECTS\1906\DRAWINGS\CADD DRAWINGS\023601.LP 2020-05-20 MAYFAIR RD.DWG	PLOT DATE : 9/23/2020 4:55 PM	PLOT SCALE : 1" = 100'	PLOT NAME : I: INTERCEPT EXISTING CONDUIT AT POLE BASE
LAYOUT NAME - 023609.LP (2) ONLY	PLOT BY : WILLIAM NEAVE		WISDOT/CADD SHEET 42



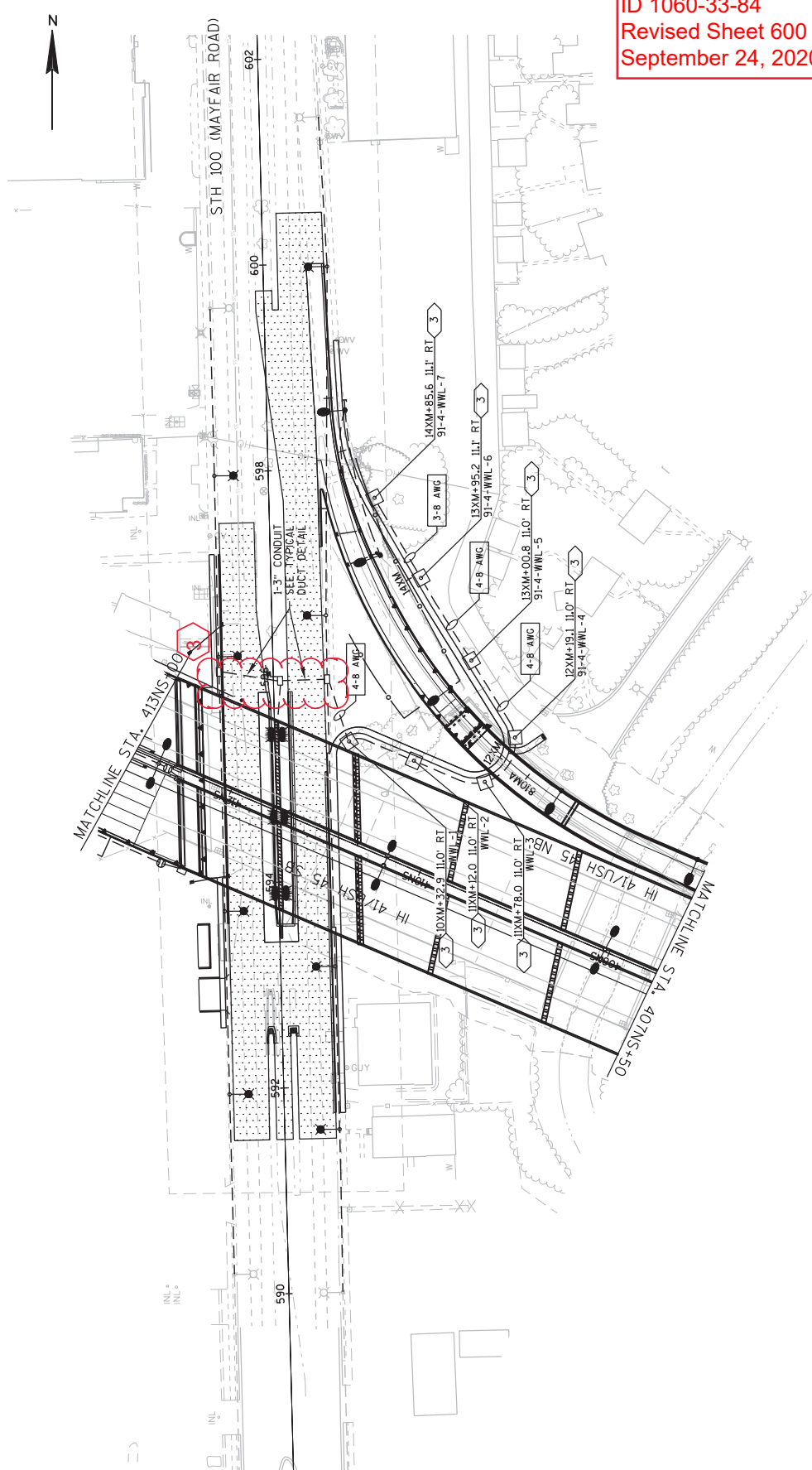
Addendum No. 03
 ID 1060-33-84
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 September 24, 2020

NOTE:
 I: INTERCEPT EXISTING CONDUIT AT POLE BASE

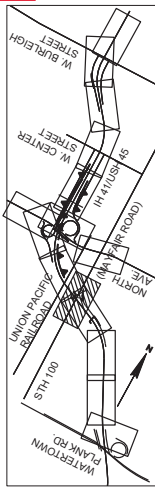


PROJECT NO: 1060-33-84	COUNTY: MILWAUKEE	PLLOT DATE: 9/23/2020 4:56 PM	PLLOT NAME: WILLIAM NEAVE	PLLOT SCALE: 1" = 100'	SHEET 599
HWY: IH 41	LIGHTING PLANS - SCHEMATICS - LOCAL ROADWAY - MAYFAIR ROAD	SHEET 2 OF 2		WISDOT/CADD SHEET 42	

FILE NAME : W:\PROJECTS\1906\DRAWINGS\CADD DRAWINGS\023601.LP 2020-05-20 MAYFAIR RD.DWG
 LAYOUT NAME - 023610.LP (SCHEMATIC) (2) ONLY



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SHEET 1 OF 2

600

SHEET

LIGHTING PLANS - FINAL - LOCAL ROADWAY (DECORATIVE) - MAYFAIR ROAD

COUNTY: MILLWAUKEE

HWY: IH 41

PROJECT NO: 1060-33-84

FILE NAME : W:\PROJECTS\1906\DRAWINGS\CADD DRAWINGS\023601.LP 2020-05-20 MAYFAIR RD DECORATIVE.DWG

LAYOUT NAME - 023609.LP (2) ONLY

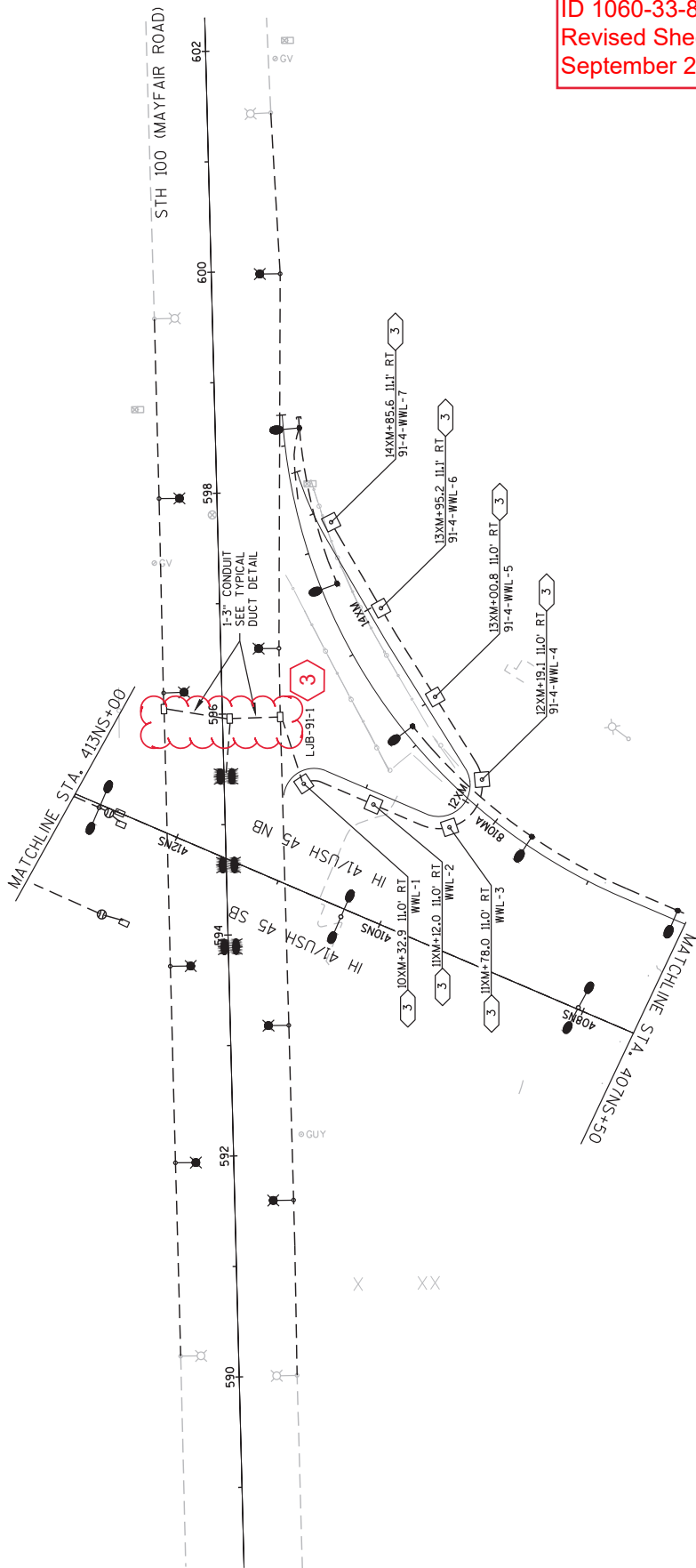
PLOT DATE : 9/23/2020 4:46 PM

PLOT BY : WILLIAM NEAVE

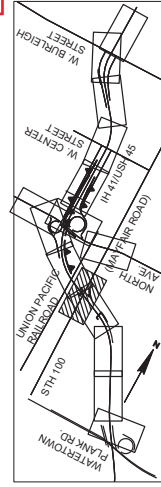
PLOT NAME :

PLOT SCALE : 1" = 100'

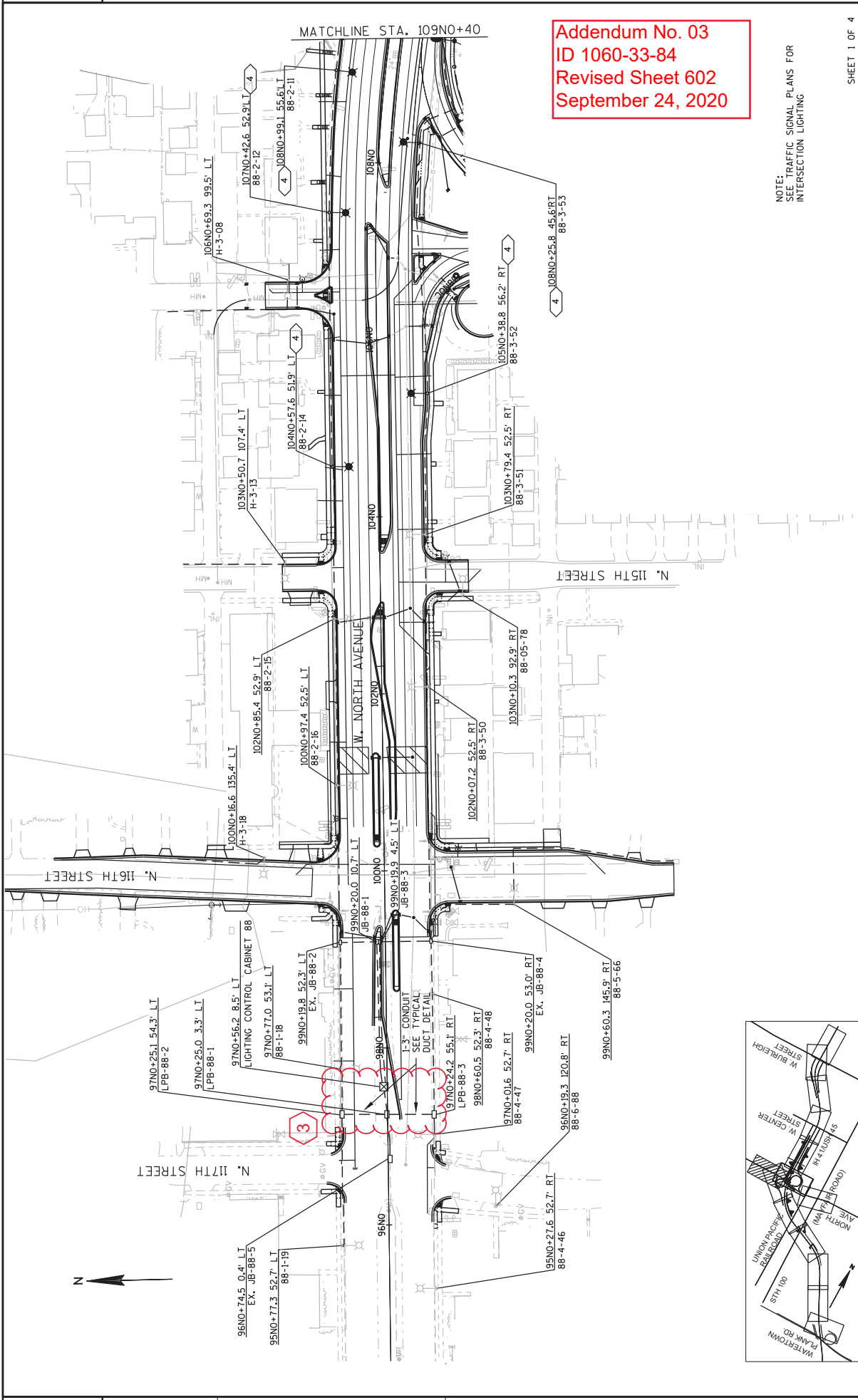
WISDOT/CADD SHEET 42



Addendum No. 03
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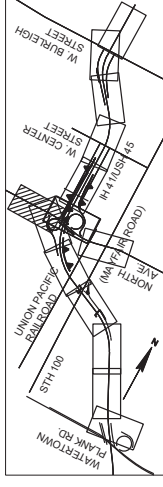
PROJECT NO: 1060-33-84	COUNTY: MILWAUKEE	LIGHTING PLANS - SCHEMATIC - LOCAL ROADWAY (DECORATIVE) - MAYFAIR ROAD	SHEET 601
HWY: IH41	PLOT BY: WILLIAM NEAVE	PLOT NAME :	WISDOT/CADD SHEET 42
FILE NAME : W:\PROJECTS\1906\CADD\DRAWINGS\CADD DRAWINGS\023601.LP 2020-05-20 MAYFAIR RD DECORATIVE.DWG	PLOT DATE : 9/23/2020 4:46 PM	PLOT SCALE : 1" = 100'	
LAYOUT NAME - 023610.LP (SCHEMATIC) (2) ONLY			

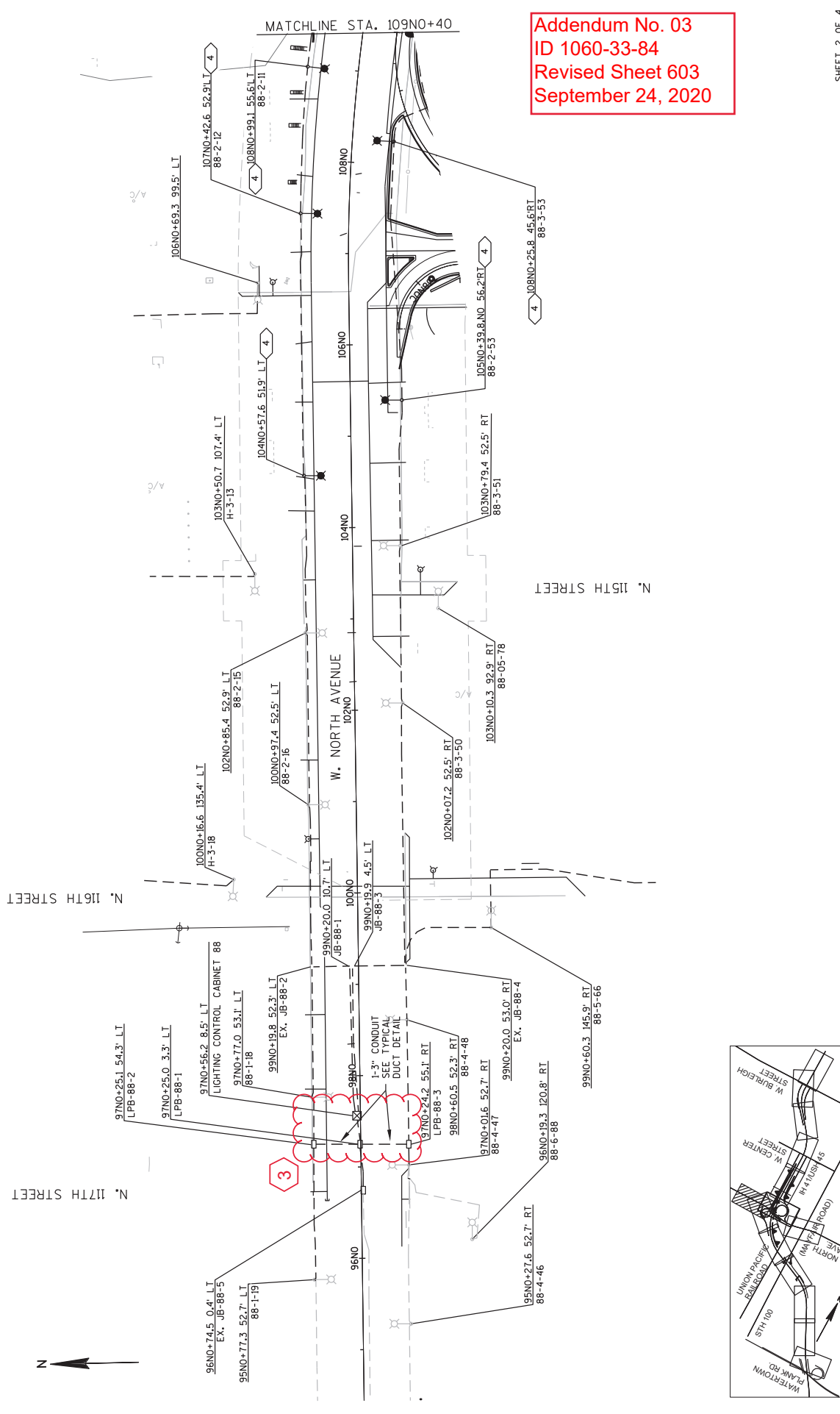


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NOTE:
 SEE TRAFFIC SIGNAL PLANS FOR
 INTERSECTION LIGHTING

PROJECT NO: 1060-33-84	COUNTY: MILWAUKEE	LIGHTING PLANS - FINAL - LOCAL ROADWAY - NORTH AVENUE	SHEET 602
FILE NAME : W:\PROJECTS\1906\DRAWINGS\CADD DRAWINGS\023601.LP 2020-05-20 NORTH_AVE.DWG	HWY: IH41	PLOT DATE : 9/23/2020 5:27 PM	WISDOT/CADD SHEET 42
LAYOUT NAME - 023617.LP ONLY		PLOT BY : WILLIAM NEAVE	PLOT SCALE : 1" = 100'



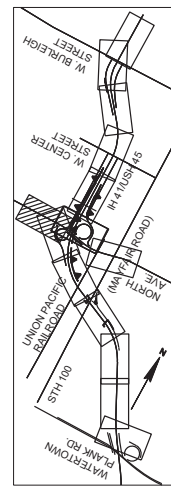


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 ID 1060-33-84
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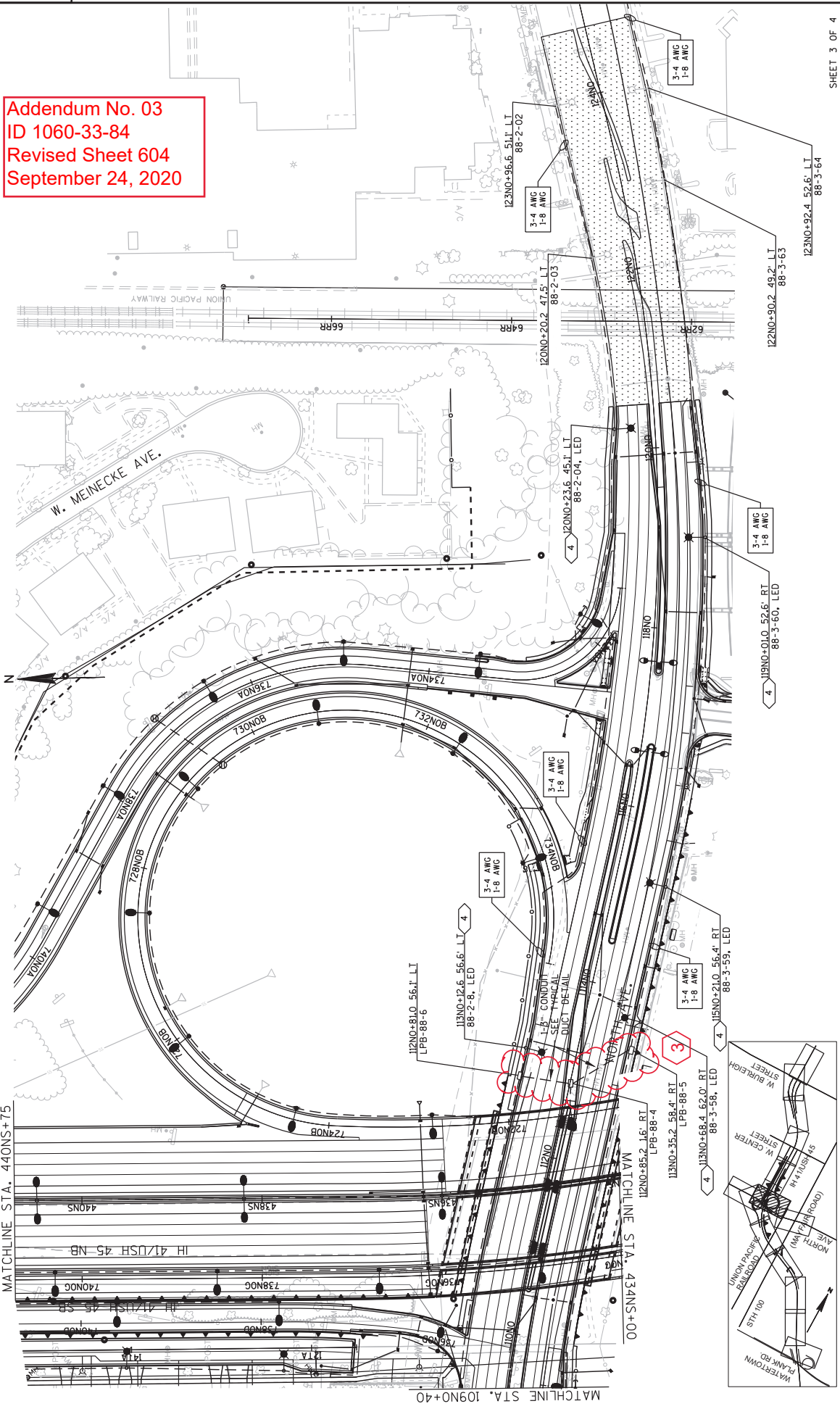
N. 15TH STREET

N. 116TH STREET

N. 117TH STREET



Addendum No. 03
 ID 1060-33-84
 Revised Sheet 604
 September 24, 2020



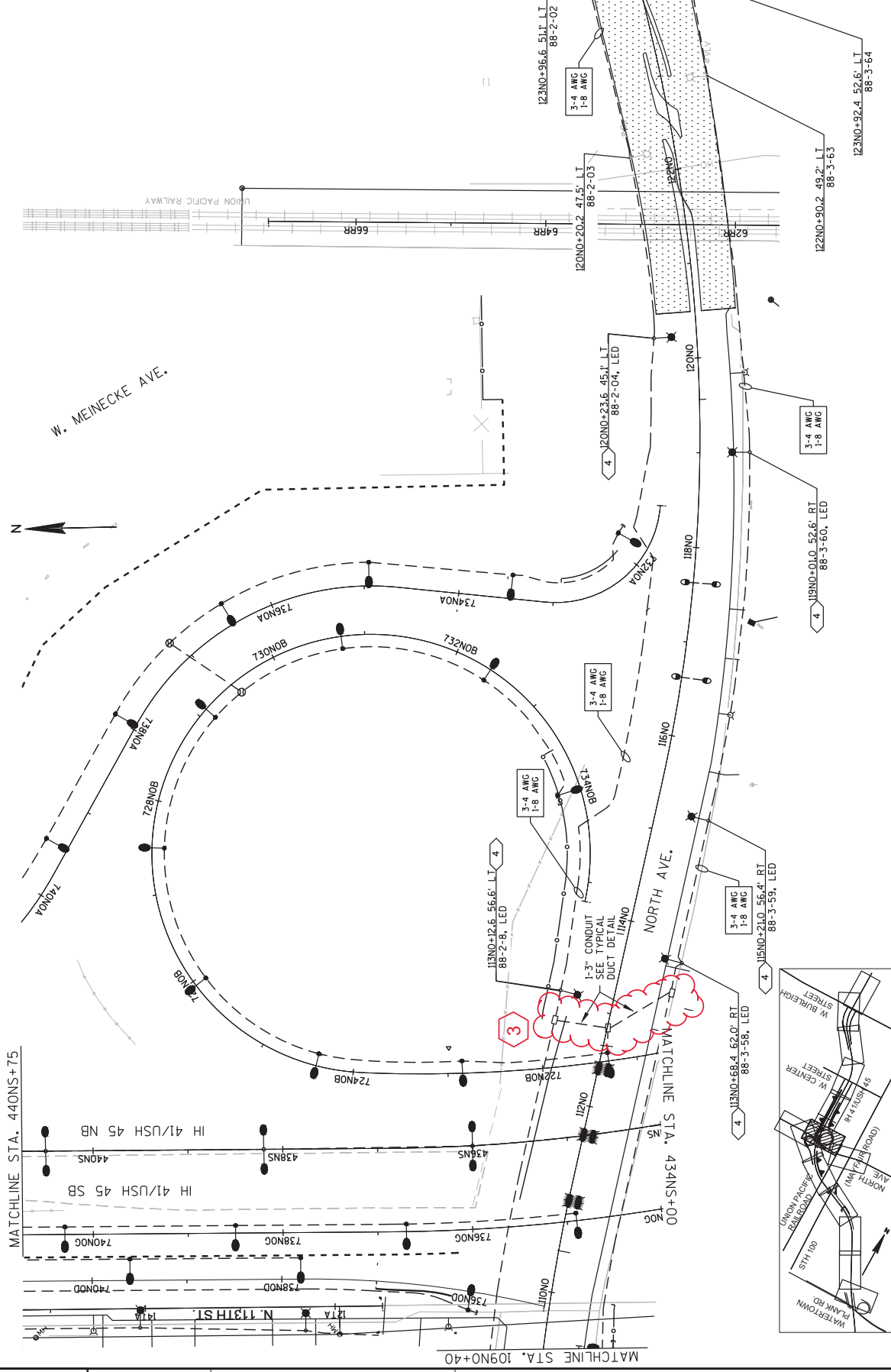
MATCHLINE STA. 109NO+40

MATCHLINE STA. 44ONS+75

MATCHLINE STA. 43ANS+00

PROJECT NO: 1060-33-84	COUNTY: MILWAUKEE	LIGHTING PLANS - FINAL - LOCAL ROADWAY - NORTH AVENUE	SHEET 604
HWY: IH 41	FILE NAME: W:\PROJECTS\1906\CADD\DRAWINGS\CADD DRAWINGS\023601.LP 2020-05-20 NORTH AVE.DWG	PLOT DATE: 9/23/2020 5:28 PM	PLOT SCALE: 1" = 100'
	LAYOUT NAME: 023623.LP (3) ONLY	PLOT BY: WILLIAM NEAVE	WSDOT/CADD SHEET 42
			SHEET 3 OF 4

Addendum No. 03
 ID 1060-33-84
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 September 24, 2020



2

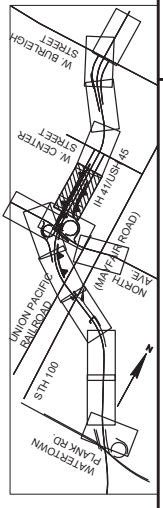
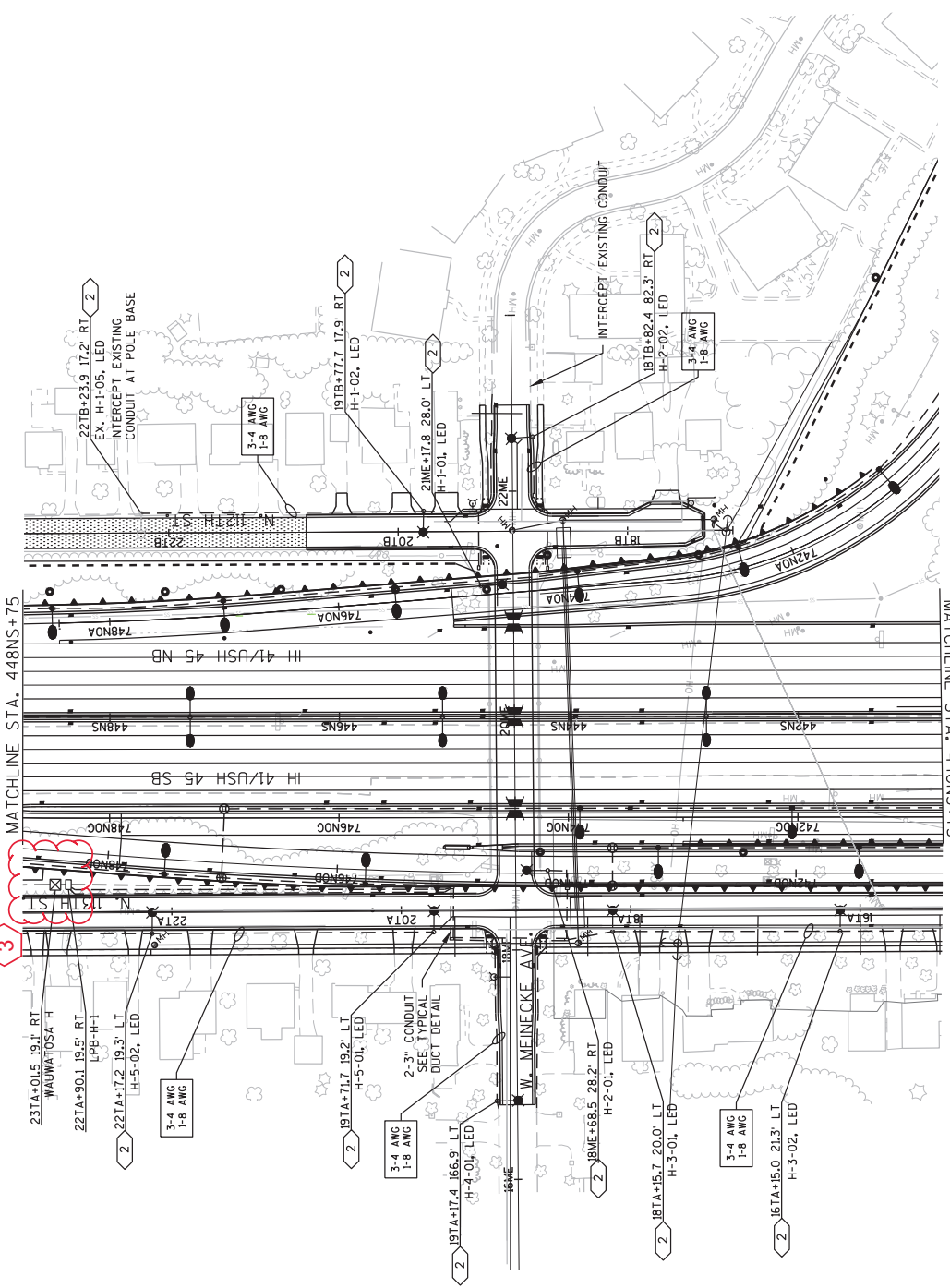
2

SHEET 4 OF 4

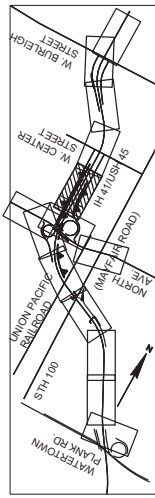
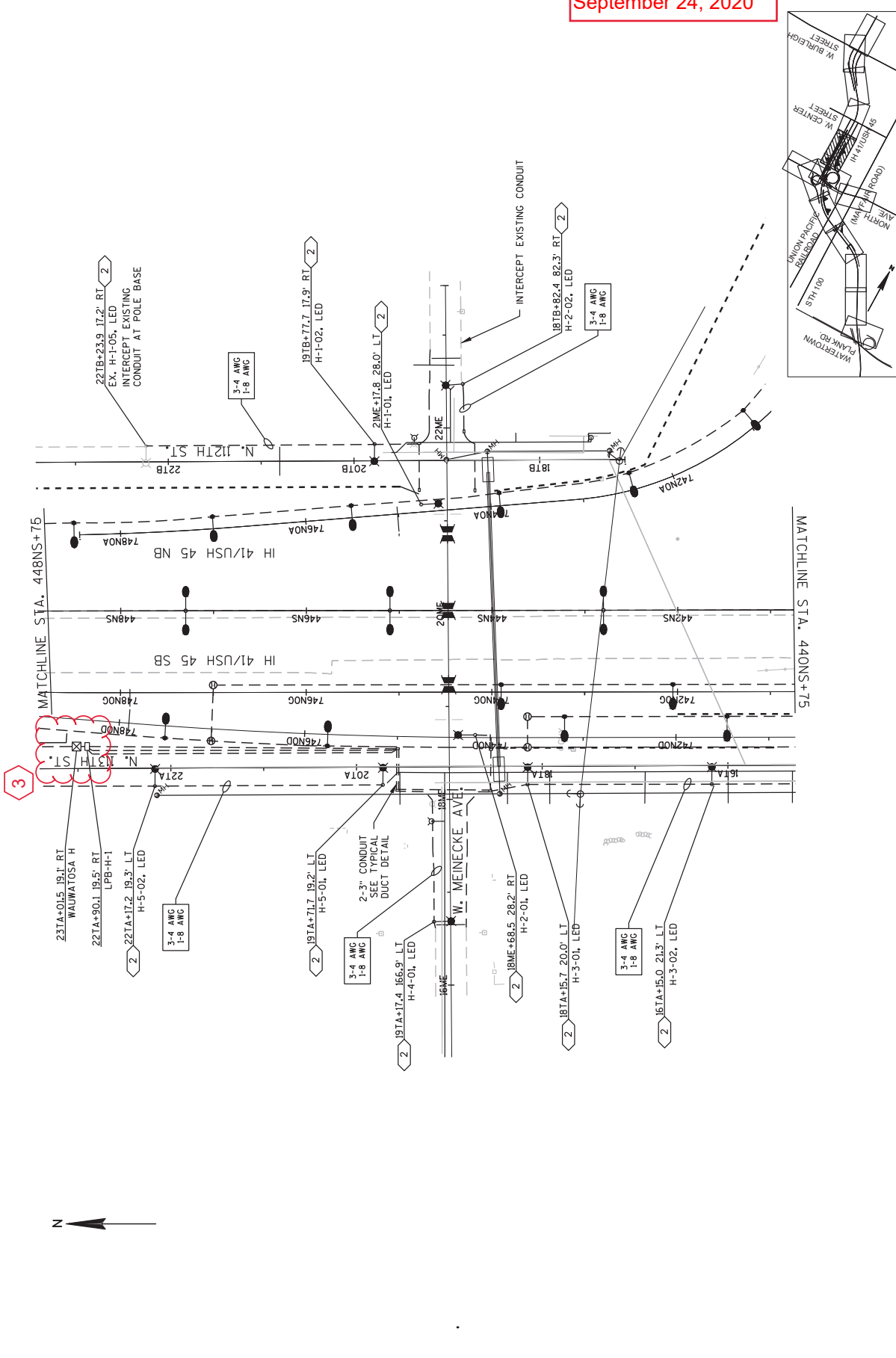
PROJECT NO: 1060-33-84
 COUNTY: MILWAUKEE
 HWY: IH 41
 LIGHTING PLANS - SCHEMATIC - LOCAL ROADWAY - NORTH AVENUE
 SHEET 605
 WSDOT/CADD SHEET 42

FILE NAME: W:\PROJECTS\1906\DRAWINGS\CADD DRAWINGS\02601.LP 2020-05-20 NORTH AVE.DWG
 LAYOUT NAME - 02624.LP (SCHEMATIC) (3) ONLY
 PLOT DATE: 9/23/2020 5:28 PM
 PLOT BY: WILLIAM NEAVE
 PLOT NAME: LOCAL ROADWAY - NORTH AVENUE
 PLOT SCALE: 1" = 100'

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Addendum No. 03
 ID 1060-33-84
 Revised Sheet 607
 September 24, 2020



Addendum No. 03
 ID 1060-33-84
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DUST CONTROL SURFACE TREATMENT

STAGE	LOCATION	SY
ALL	PROJECT	243
TOTAL		243

DELINEATOR REFLECTORS

STAGE	LOCATION	EACH
ALL	PROJECT	500
TOTAL		500

WATER

STAGE	LOCATION	MGAL
ALL	PROJECT-BASE AGGREGATE	243
	PROJECT-EXCAVATION	1,985
TOTAL		2,228

3

CPM SCHEDULE ITEMS

STAGE	LOCATION	EACH
ALL	PROJECT 1060-33-84	32
TOTAL		32

SPV.0060.0601	MONTHLY
BASELINE	CPM PROGRESS SCHEDULE UPDATES
MONTHLY	SCHEDULE UPDATES

MAINTAIN AND SALVAGE CRASH CUSHIONS TEMPORARY

CATEGORY	STATION	LOCATION	EACH
1000	388+90 NS	LT	1
	433+90 NS	RT	1
	482+00 NS	LT	1
TOTAL			3

SPV.0060.0165	TEMPORARY
MAINTAIN AND SALVAGE	CRASH CUSHIONS TEMPORARY
TEMPORARY	LEFT IN PLACE

SALVAGE BARRIER FOR COUNTIES

CATEGORY	COUNTY	LF
300	MILWAUKEE	462.5
	RACINE	250
	WALWORTH	387.5
	WASHINGTON	1,400.0
TOTAL		2,500.0

SPV.0090.0600	TEMPORARY
SALVAGE	CONCRETE BARRIER
TEMPORARY	LEFT IN PLACE

*ADDITIONAL QUANTITIES FOUND ELSEWHERE
 CATEGORY 1000 UNLESS OTHERWISE NOTED

PIPE UNDERDRAIN

STAGE	ROADWAY	STATION	TO	STATION	OFFSET	PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0206	612.0406	612.0806	633.5200	SPV.0060.8015	PIPE CONNECTION TO EXISTING STRUCTURE EACH	SPV.0090.0126	PIPE UNDERDRAIN 6-INCH SPECIAL LF	SPV.0090.0127
ALL		PROJECT ID 1060-33-84													
		CORE SYSTEM RAMPS													
	<u>RAMP CS</u>	573+00CS	-	575+13CS	LT/RT	-	-	639	-	-	-	2	-	-	-
	<u>RAMP WS</u>	578+54CS	-	579+46CS	LT/RT	-	-	181	-	-	1	-	-	-	-
	<u>MAINLINE</u>	588+90WS	-	591+29WS	LT/RT	-	-	569	-	-	3	-	-	-	-
		400+10NS	-	403+94NS	RT	-	-	-	-	-	-	417	-	-	-
		402+65NS	-	403+53NS	LT	-	-	-	-	-	-	88	-	-	-
		411+99NS	-	413.32NS	LT	-	-	-	-	-	-	136	-	-	-
		412+76NS	-	415+57NS	RT	-	-	-	-	-	-	336	-	-	-
		430+94NS	-	433.70NS	RT	-	-	-	-	-	-	534	-	-	-
	<u>RAMP NOA</u>	435+89NS	-	443.11NS	LT	25	-	-	1	1	-	765	-	-	-
	<u>RAMP BUC</u>	741+00NOA	-	452+60NS	RT	25	-	-	1	1	-	1178	-	-	-
	<u>UPRR</u>	782+01BUC	-	786+95BUC	LT	25	-	-	1	1	-	482	-	-	-
	<u>UPRR WEST TRACK</u>	22+45RDW	-	24+10RDW	LT	-	-	-	-	-	-	-	-	-	165
		PROJECT ID 1060-33-84 TOTAL													
						75		1,389	3	3	6	3,836			165

CROSS STITCHING LONGITUDINAL JOINTS AND CRACKS

STAGE	LOCATION	COMMENTS
ALL	SPV.0060.0130 CROSS STITCHING LONGITUDINAL JOINTS AND CRACKS EACH	
	<u>RAMP EC</u> 145	SEE NOTE (1)
	<u>RAMP EH</u> 65	SEE NOTE (1)
	<u>RAMP SA</u> 25	SEE NOTE (1)
	<u>RAMP WG</u> 315	SEE NOTE (1)
	<u>RAMP WE</u> 120	SEE NOTE (1)
	<u>UNDISTRIBUTED</u> 30	SEE NOTE (1)
	PROJECT ID 1060-33-84 TOTAL 700	

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STAGE	STATION	TO	STATION	SY
5	372+00NS	-	486+00NS	8.074
PROJECT ID 1060-33-84				
PROJECT ID 1060-33-84 TOTAL				8.074

NOTES:
(1) SERVICE RAMP LOCATIONS ARE WITHIN THE LOCATIONS OF CROSS STITCHING TO BE DETERMINED BY THE ENGINEER

*ADDITIONAL QUANTITIES FOUND ELSEWHERE
CATEGORY 1000 UNLESS OTHERWISE NOTED

FIELD OFFICE

SPV.0135.0100
FIELD OFFICE
SPECIAL
MONTH

PROJECT
PROJECT ID:1060-33-84

45

PROJECT ID:1060-33-84 TOTAL

45

FINISHING ROADWAY

213.0100.0001
FINISHING ROADWAY
1060-33-84
EACH

STAGE LOCATION

PROJECT

1

TOTAL

1

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CRACK AND DAMAGE SURVEY

LOCATION	PROJECT	QUANTITY	UNIT	DESCRIPTION	SPV CODE
		43	5	CRACK AND DAMAGE SURVEY SINGLE OR DOUBLE UNIT RESIDENTIAL EACH	SPV.0060.0150
		43	5	CRACK AND DAMAGE SURVEY MULTIHUNIT RESIDENTIAL EACH	SPV.0060.0155
		43	5	CRACK AND DAMAGE SURVEY COMMERCIAL PUBLIC OR INDUSTRIAL EACH	SPV.0060.0160
PROJECT ID:1060-33-84 TOTAL		43	5		

CLAY CAP

LOCATION	STATION	TO	STATION	OFFSET	CLAY CAP CY	REMARKS
PROJECT ID:1060-33-84						
RAMPS	738+00NOA	-	744+00NOA	LT	3,000	FINAL CAP
NOC	728+00NOC	-	733+00NOC	RT	3,300	FINAL CAP
PROJECT:1060-33-84 TOTAL					6,300	

PROJECT NO:1060-33-84

HWY:JH 41

COUNTY:MILWAUKEE

MISCELLANEOUS QUANTITIES

SHEET: 1011

E

FILENAME:

PLOT BY:

PLOT NAME:

PLOT DATE:

PLOT SCALE: 1:1

*ADDITIONAL QUANTITIES FOUND ELSEWHERE
CATEGORY 1000 UNLESS OTHERWISE NOTED

EARTH WORK SUMMARY

Division	From/To Station	Location	A Total Cut Volume (CY)	B 205.0100 Excavation Common (CY)	C 205.0501.S.0001 Excavation, Hauling, and Disposal of Petroleum Contaminated Soil (TON)	D SPV. 0035.0003 Excavation, Hauling, and Reuse of Low-Level Contaminated Soil (CY) (7)	E SPV. 0195.0004 Excavation, Hauling, and Disposal of Low-Level Contaminated Soil (TON) = CY*1.7	F SPV. 0035.0001 Excavation EBS (CY) (5)	Available Material (CY) (2)	SPV. 0035.0002 EBS Backfill (CY) (2)	Factor 1.00	209.1100 Backfill Granular Grade 1 (CY) (8)	SPV. 0195.0001 Fly Ash Stabilization (CY) (6)	Unexpanded Fill (3)	Expanded Fill (4)	Waste (5)
1	386+00NS TO 398+00NS 413+35NS TO 434+00NS 436+00NS TO 482+00NS	MAINLINE SB TEMP WIDENING	14,635 12,305 34,981	14,635 12,305 34,981	0 0 0	0 0 0	0 0 0	483 951 1,752	14,635 12,305 34,981	483 951 1,752	1.00	-- -- --	43 84 154	279 713 5,171	307 784 5,688	14,328 11,521 29,293
	385+00NS TO 403+00NS 418+00NS TO 432+50NS 442+00NS TO 447+50NS 474+00NS TO 477+00NS	MAINLINE TEMP MEDIAN TEMP MEDIAN TEMP MEDIAN	2,755 4,592 1,110 4,463	2,755 4,592 1,110 4,463	0 0 0 0	0 0 0 0	0 0 0 0	536 534 144 653	2,755 4,592 1,110 4,463	536 534 144 653	1.00	-- -- -- --	47 47 13 57	99 0 0 60	109 0 0 66	2,646 4,592 1,110 4,397
	97+19 TO 100+00 100+50 TO 120+50 100+50 TO 120+50 88+75 TO 89+00 22+00 TO 23+50 17+50 TO 30+26 16+80 TO 18+00 11+60 TO 32+03 160+00 TO 168+00	LOCAL W. NORTH AVE W. NORTH AVE EB W. NORTH AVE WB PRIVATE DRIVE W. MEINECKE AVE 112TH ST W. MEINECKE AVE 113TH ST 116TH ST	2,002 991 21,001 89 626 3,782 1,148 10,568 3,248	2,002 531 13,946 89 626 3,782 1,148 10,568 3,248	0 782 0 0 0 0 0 0 0	0 0 1,950 0 0 0 0 0 0	0 0 8,679 0 0 0 0 0 0	624 4,444 4,444 278 333 2,836 267 4,540 1,778	2,002 531 15,896 89 626 3,782 1,148 10,568 3,248	624 4,444 4,444 278 333 2,836 267 4,540 1,778	1.00	-- -- -- -- -- -- -- -- --	16 1 19 0 28 649 64 162 12	17 1 21 0 31 714 70 178 14	1,985 530 15,875 89 595 3,068 1,077 10,390 3,234	
	8+50 TO 17+50 17+40 TO 17+80 16+55 TO 17+40 11+50 TO 17+50 17+30 TO 17+60 9+50 TO 17+50 UNDISTRIBUTED	UPRR TEMP SHOOFLY TEMP SHOOFLY TEMP SHOOFLY FINAL CONFIG FINAL CONFIG FINAL CONFIG	1,176 80 0 1,049 550 5,060 780	1,176 80 0 1,049 550 5,060 780	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	1,176 80 0 1,049 550 5,060 780	0 0 0 0 0 0 0	1.00	6,673 0 380 2,652 0 0 990	-- -- -- -- -- -- --	6,144 0 380 2,596 0 0 0	-- -- -- -- -- -- --	1,176 80 0 1,049 550 5,060 780
Division 1	Subtotal Stage 1		126,992	119,477	782	1,950	8,679	24,597	121,427	24,597	1.00	10,695	445	16,393	8,001	113,426

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EARTH WORK SUMMARY

Division	From/To Station	Location	A Total Cut Volume (CY)	B 205.0100 Excavation Common (CY)	C 205.0501.S.0001 Excavation, Hauling, and Disposal of Petroleum Contaminated Soil (TON)	D SPV. 0035.0003 Excavation, Hauling, and Reuse of Low-Level Contaminated Soil (CY) (7)	E SPV. 0195.0004 Excavation, Hauling, and Disposal of Low-Level Contaminated Soil (TON) TON = CY*1.7	F SPV. 0035.0001 EBS Excavation (CY) (5)	Available Material (CY) (2)	SPV. 0035.0002 EBS Backfill (CY) (2)	Factor 1.00	209.1100 Backfill Granular Grade 1 (CY) (8)	SPV. 0195.0001 Fly Ash Stabilization (6)	Unexpanded Fill (3)	Expanded Fill (4)	Waste (5)	
2	385+90 TO 481+81 600+00 TO 629+60	MAINLINE	73,195	46,095	0	9,000	30,770	10,657	55,095	10,657	1.00	--	938	7,041	7,745	47,350	
		IH 41 NB	70,641	70,641	0	0	0	0	3,289	70,641	3,289	1.00	--	289	5,134	5,647	64,994
	803+00 TO 814+28 733+50 TO 748+44 725+00 TO 735+00	RAMPS	287	287	0	0	0	0	1,253	287	1,253	1.00	--	110	1,400	1,539	-1,252
		IMA	9,861	9,861	0	0	0	0	1,660	9,861	1,660	1.00	--	146	5,866	6,452	3,409
		NOA NOB	1,288	1,288	0	0	0	0	1,111	1,288	1,111	1.00	--	98	455	500	788
	19+50 TO 26+50 19+50 TO 24+25 19+50 TO 27+50 UNDISTRIBUTED	UPRR	4,680	4,680	0	0	0	0	0	4,680	0	1.00	251	--	186	--	4,680
		TEMP SHOOFLY	1,312	1,312	0	0	0	0	0	1,312	0	1.00	18	--	23	--	1,312
		FINAL CONFIG	5,037	5,037	0	0	0	0	0	5,037	0	1.00	714	--	714	--	5,037
		FINAL CONFIG	1,426	1,426	0	0	0	0	0	1,426	0	1.00	90	--	0	--	1,426
	Division 2 Subtotal Stage 2			167,369	140,627	0	9,000	30,770	17,970	149,627	17,970	1.00	1,073	1,581	20,818	21,884	127,743
3	385+90NS TO 403+20NS 435+80NS TO 472+00NS 472+00 TO 477+00	MAINLINE	13,050	13,050	0	0	0	0	13,050	1,922	1.00	--	169	0	0	13,050	
		IH 41/USH 45 NB	5,700	5,700	0	0	0	0	4,022	5,700	4,022	1.00	--	354	0	0	5,700
	TEMP MEDIAN	106	106	0	0	0	0	0	106	0	1.00	--	--	24	0	106	
Division 3 Subtotal Stage 3			18,856	18,856	0	0	0	5,944	18,856	5,944	1.00	0	523	24	18,856	18,856	

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(CONTINUED ON NEXT SHEET)

EARTH WORK SUMMARY (CONTINUED)														
Division	From/To Station	A	B	C	D	E	F	Available Material	SPV. 0035.0002 EBS Backfill (CY) (2)	209.1100 Backfill Granular Grade 1 (CY) (3)	SPV. 0195.0001 Fly Ash Stabilization (CY) (6)	Unexpanded Fill (3)	Expanded Fill (4)	Waste (5)
		Total Excavation Common Volume (CY) (1)	205.0501.S.0001 Excavation, Hauling, and Disposal of Petroleum Contaminated Soil (TON) (C)	SPV. 0035.0003 Excavation, Hauling, and Reuse of Low-Level Contaminated Soil (CY) (7)	SPV. 0195.0004 Excavation, Hauling, and Disposal of Low-Level Contaminated Soil (TON) (E)	SPV. 0035.0001 EBS Excavation (CY) (2) (5)	SPV. 0035.0001 EBS Excavation (CY) (2) (5)	Material	Factor 1.00	Factor 1.10				
						TON = CY*1.7								
4	385+50 TO 200+00	86,636	0	0	0	0	10,500	86,636	10,500	--	924	1,211	1,333	85,303
	200+00 TO 228+62	17,544	0	0	0	0	3,180	17,544	3,180	--	280	1,250	1,375	16,168
	779+62 TO 736+00	7,709	0	0	0	0	1,431	7,709	1,431	--	126	1,123	1,235	6,474
	736+00 TO 724+50	8,652	0	0	0	0	889	8,652	889	--	78	0	0	8,652
	724+50 TO 733+00	20	0	0	0	0	944	20	944	--	83	6,600	7,260	-7,398
	728+00 TO 733+00	7,284	0	0	0	0	556	7,284	556	--	49	18,996	20,896	-12,714
	728+00 TO 733+00	19	0	0	0	0	556	19	556	--	49	8,784	9,662	-10,088
	728+00 TO 738+00	397	0	0	0	0	1,111	397	1,111	--	98	1,529	1,682	-1,285
	728+00 TO 732+50	1,700	0	0	0	0	611	1,700	611	--	54	0	0	1,700
	Division 4 Subtotal Stage 4	129,959	0	0	0	0	19,778	129,959	19,778	0	1,740	39,493	43,443	86,812
5	48+80 TO 591+80	480	0	0	0	0	633	480	633	--	--	56	62	418
	591+80 TO 599+00	2,159	0	0	0	0	1,600	2,159	1,600	--	--	0	0	2,159
	Division 5 Subtotal Stage 5	2,639	0	0	0	0	2,233	2,639	2,233	0	0	56	62	2,577
	TOTAL	445,815	782	10,950	39,449	0	70,523	422,508	70,523	11,768	4,290	76,785	92,246	349,414

3

Notes:

- Excavation Common is equal to A - (C/1.7) - D - E
- EBS Excavation SPV.00350100 (CY) to be backfilled with EBS Backfill SPV.0035.0101 (CY). EBS Excavation volume assumed as 25% roadway area (Freeway and Ramps) and 40% roadway area (local roads) at an average depth of 18-inches, in addition to locations shown in plans. All EBS Excavation to be wasted offsite unless specified by the engineer. EBS Backfill Factor: 1.00
- The backfill needed to construct the mechanically stabilized earth walls has been estimated. The MSE backfill quantity has been subtracted from the fill volume in all end area calculations. The width of the MSE backfill off of the back of the MSE wall has been estimated as 0.8 times the height of the retaining walls. Expanded Fill = Unexpanded Fill * Fill Factor
- A soil expansion factor of 1.1 was used to generate estimated earthwork quantities. Due to potential soil variability, actual quantities may vary. No quantity adjustments will be made for differing soil expansion factors encountered in the field.
- The storm sewer excavation is estimated to be between 60,000 and 90,000 cubic yards and total structural excavation from all structures is not estimated. cubic yards dependent on the means and methods used for construction. These quantities are not included in this table and should be considered additional waste that is incidental to the storm sewer and structure items. Waste does not include estimated yardage for EBS excavation (Column F).
- Fly Ash Stabilization SPV.0195.0001 (TON). Fly Ash Stabilization volume assumed as 20% roadway area (Freeway and Ramps only) calculated at a rate of 110 pounds per square yard.
- All Excavation, Hauling, and Reuse of Low-Level Contaminated Soil (D) shall be placed at locations as shown in the plans and capped with a 2-ft clay cap and topsoil (clay cap and topsoil paid separately).

Addendum No. 03
ID 1060-33-84
Revised Sheet 1014
September 24, 2020

LIGHTING - FINAL LIGHTING LOCAL

- 654.0105 CONCRETE BASES TYPE 5*
- 654.0111 CONCRETE BASES TYPE 11
- 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG*
- 657.0322 POLES TYPE 5-ALUMINUM
- 657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT*
- 657.0620 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 4-FT*
- 659.0700 LIGHTING UNITS WALKWAY
- SPV.0060.1012 23-FT STANDARD CONCRETE LIGHT POLES AND ARMS
- SPV.0060.1014 LUMINAIRES UTILITY LED A (30K)
- SPV.0060.1015 LUMINAIRES UTILITY LED C (30K)

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	OFFSET	CONCRETE BASES TYPE 5	CONCRETE BASES TYPE 11	ELECTRICAL WIRE LIGHTING 12 AWG	ALUMINUM TYPE 5	LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT	LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 4-FT	LIGHTING UNITS WALKWAY	23-FT STANDARD CONCRETE LIGHT POLES AND ARMS	UTILITY LED A (30K)	UTILITY LED C (30K)	COMMENTS	
1100	2	H	H-3-04	127A+31.0	25.0' LT	-	-	117	-	-	-	-	-	-	-	-	113TH STREET
			H-3-03	147A+05.7	20.1' LT	-	-	117	-	-	-	-	-	-	-	-	*
			H-3-02	167A+15.0	21.3' LT	-	-	117	-	-	-	-	-	-	-	-	*
			H-3-01	187A+15.7	20.0' LT	-	-	117	-	-	-	-	-	-	-	-	*
			H-4-01	16ME+68.8	17.9' LT	-	-	117	-	-	-	-	-	-	-	-	MEINECKE AVENUE
			H-2-02	22ME+47.6	18.0' RT	-	-	117	-	-	-	-	-	-	-	-	*
			H-1-01	21ME+17.8	28.0' RT	-	-	117	1	-	-	-	-	-	-	-	STRUCTURE MOUNT
			H-2-01	18ME+69.1	27.0' RT	-	-	117	1	-	-	-	-	-	-	-	STRUCTURE MOUNT
			H-1-02	19TB+77.7	17.9' RT	-	-	117	-	-	-	-	-	-	-	-	112TH STREET
			H-1-09	29TB+34	17.9' RT	-	-	117	-	-	-	-	-	-	-	-	*
			H-1-10	31TB+24.0	17.9' RT	-	-	117	-	-	-	-	-	-	-	-	*
			H-5-01	197A+71.7	19.2' LT	-	-	117	-	-	-	-	-	-	-	-	113TH STREET
			H-5-02	227A+17.2	19.3' LT	-	-	117	-	-	-	-	-	-	-	-	*
			H-5-03	247A+83.0	19.0' LT	-	-	117	-	-	-	-	-	-	-	-	*
			H-5-04	277A+23.0	19.0' LT	-	-	117	-	-	-	-	-	-	-	-	*
2			SUBTOTAL			0	0	1,755	2	0	2	0	13	15	0	0	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 03
 ID 1060-33-84
 Revised Sheet 1154
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LIGHTING - FINAL LIGHTING LOCAL CONTINUED

- 654.0105 CONCRETE BASES TYPE 5*
- 654.0111 CONCRETE BASES TYPE 11
- 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG*
- 657.0322 POLES TYPE 5-ALUMINUM*
- 657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT*
- 657.0620 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 4-FT*
- 659.0700 LIGHTING UNITS WALKWAY
- SPV.0060.1C23-FT STANDARD CONCRETE LIGHT POLES AND ARMS
- SPV.0060.1C LUMINAIRES UTILITY LED A (30K)
- SPV.0060.1C LUMINAIRES UTILITY LED C (30K)

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	OFFSET	CONCRETE BASES TYPE 5	CONCRETE BASES TYPE 11	ELECTRICAL WIRE LIGHTING 12 AWG*	POLES TYPE 5 ALUMINUM	LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT*	LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 4-FT*	LUMINAIRE LIGHTING UNITS WALKWAY	23-FT STANDARD CONCRETE LIGHT POLES AND ARMS	LUMINAIRES UTILITY LED A (30K)	LUMINAIRES UTILITY LED C (30K)	COMMENTS	
1100	3	91	91-4-67	591+60.0	53.3' RT	1		117	1	1						1	STH 100 - MAYFAIR ROAD
			91-4-68	593+16.9	53.0' RT	1		117	1	1							
			91-4-72	596+58.1	52.7' RT	1		117	1	1							
			91-4-73	599+97.1	62.4' RT	1		117	1	1							
			91-5-46	592+95.2	52.8' LT	1		117	1	1							
			91-5-47	593+73.1	52.9' LT	1		117	1	1							
			91-5-50	596+20.4	52.6' LT	1		117	1	1							
			91-5-52	597+96.4	52.4' LT	1		117	1	1							
			WW1	10XM+32.9	11.0' RT		1	54				1					WALKWAY LED LIGHTING UNITS
			WW2	11XM+12.0	11.0' RT		1	54				1					
			WW3	11XM+78.0	11.0' RT		1	54				1					
			WW4	12XM+19.1	11.0' RT		1	54				1					
			WW5	13XM+00.8	11.0' RT		1	54				1					
			WW6	13XM+95.2	11.1' RT		1	54				1					
			WW7	14XM+85.6	11.1' RT		1	54				1					
3			SUBTOTAL			8	7	1,314	8	8	0	7	0	0	0	8	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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 ID 1060-33-84
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LIGHTING - FINAL LIGHTING LOCAL CONTINUED

- 654.0105 CONCRETE BASES TYPE 5*
- 654.0111 CONCRETE BASES TYPE 11
- 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG*
- 657.0322 POLES TYPE 5-ALUMINUM*
- 657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT*
- 657.0620 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 4-FT*
- 659.0700 LIGHTING UNITS WALKWAY
- SPV.0060.1023-FT STANDARD CONCRETE LIGHT POLES AND ARMS
- SPV.0060.10 LUMINAIRES UTILITY LED A (30K)
- SPV.0060.10 LUMINAIRES UTILITY LED C (30K)

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	OFFSET	CONCRETE BASES TYPE 5	CONCRETE BASES TYPE 11	ELECTRICAL WIRE LIGHTING 12 AWG	POLES TYPE 5 ALUMINUM	LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT	LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 4-FT	LIGHTING UNITS WALKWAY	23-FT STANDARD CONCRETE LIGHT POLES AND ARMS	SPV0060.1014 LUMINAIRES UTILITY LED A (30K)	SPV0060.1015 LUMINAIRES UTILITY LED C (30K)	COMMENTS
1100	4	88	88-03-51	103NO+79.4	52.5 RT	1		117	1	1						NORTH AVENUE
			88-03-52	105NO+38.8	56.2 RT	1		117	1							"
			88-03-53	108NO+25.8	45.6 RT	1		117	1	1						"
			88-03-58	113NO+68.4	62.0 RT	1		117	1	1						"
			88-03-59	115NO+21.0	56.4 RT	1		117	1	1						"
			88-03-60	119NO+01.0	52.6 RT	1		117	1	1						"
			88-2-14	104NO+57.6	51.9 LT	1		117	1							"
			H-3-08	106NO+69.3	99.5 LT	1		117	1							"
			88-2-12	107NO+42.6	52.9 LT	1		117	1	1						114TH STREET
			88-2-11	108NO+99.1	55.6 LT	1		117	1	1						NORTH AVENUE
			88-2-8	113NO+12.6	56.6 LT	1		117	1	1						"
			88-2-04	120NO+23.6	45.1 LT	1		117	1	1						"
4			SUBTOTAL			12	0	1,404	12	12	0	0	0	1	11	
1100			TOTALS			20	7	4,473	22	20	2	7	13	16	19	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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 ID 1060-33-84
 Revised Sheet 1156
 September 24, 2020

Addendum No. 03
 ID 1060-33-84
 Revised Sheet 1157
 September 24, 2020

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LIGHTING - LOCAL LIGHTING CONDUIT AND WIRE

- 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH*
- 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH*
- 655.0620 ELECTRICAL WIRE LIGHTING 8 AWG*
- 655.0630 ELECTRICAL WIRE LIGHTING 4 AWG*
- SPV.0090.1004 POLYETHYLENE DUCT 1 1/4-INCH

CATEGORY	STAGE	SYSTEM	CIRCUIT	FROM	TO	652.0225*		652.0235*		655.0620*		655.0630*		SPV.0090.1004	COMMENTS
						CONDUIT RIGID SCHEDULE 40 2-INCH	CONDUIT RIGID SCHEDULE 40 3-INCH	CONDUIT RIGID SCHEDULE 40 3-INCH	ELECTRICAL WIRE LIGHTING 8 AWG	ELECTRICAL WIRE LIGHTING 4 AWG	ELECTRICAL WIRE LIGHTING 4 AWG	POLYETHYLENE DUCT 1 1/4-INCH			
1100	2	H	3	H-3-04	H-3-03	195	--	195	585	--	--	--	--		
			3	H-3-03	H-3-02	215	--	215	645	--	--	--	--		
			3	H-3-02	H-3-01	200	--	200	600	--	--	--	--		
			3	H-3-01	H	500	100	600	1,800	100					
			4	H	H-4-01	500	50	550	1,650	50					
			2	H	H-2-01	400	50	450	1,350	50					
			2	H	H-2-02	500	50	550	1,650	50					
			1	H	H-1-01	440	50	490	1,470	50					
			1	H-1-01	H-1-02	70	50	120	360	50					
			1	H-1-02	H-1-05	250	--	250	750	--	--	--	--		
			5	H	H-5-01	100	50	150	450	50					
			5	H-5-01	H-5-02	245	--	245	735	--	--	--	--		
			5	H-5-02	H-5-03	265	--	265	795	--	--	--	--		
			5	H-5-03	H-5-04	240	--	240	720	--	--	--	--		
			6	H	LPB-H-8	550	50	600	1,800	--	--	--	--		
			6	LPB-H-8	LPB-H-7	--	50	50	150	--	--	--	--		
			6	LPB-H-7	H-6-01	50	--	50	150	--	--	--	--		
	2	H	SUBTOTAL			4,720	500	5,220	15,660	400					

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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SHEET 40 OF 44

LIGHTING - LOCAL LIGHTING CONDUIT AND WIRE CONTINUED

- 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH*
- 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH*
- 655.0620 ELECTRICAL WIRE LIGHTING 8 AWG*
- 655.0630 ELECTRICAL WIRE LIGHTING 4 AWG*
- SPV.0090.10/POLYETHYLENE DUCT 1 1/4-INCH

3

3

CATEGORY	STAGE	SYSTEM	CIRCUIT	FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	655.0620* ELECTRICAL WIRE LIGHTING 8 AWG	655.0630* ELECTRICAL WIRE LIGHTING 4 AWG	SPV.0090.1004 POLYETHYLENE DUCT 1 1/4-INCH	COMMENTS
						LF	LF	LF	LF		
1100	3	91	4	91-4-66	91-4-67	155	--	155	465	LF	--
			4	91-4-67	91-4-68	155	--	155	465	--	--
			4	91-4-68	91-4-72	330	--	330	990	--	--
			4	91-4-72	LPB-91-3, LPB-91-2	200	--	200	600	100	--
			4	LPB-91-3, LPB-91-2	UDL - (91-4-69 / 91-4-70 / 91-4-71)	160	--	160	480	100	UDL - STH 100 / MAYFAIR ROAD
			4	LPB-91-3	91-4-WWL1	130	--	520	--	--	--
			4	91-4-WWL1	91-4-WWL2	70	--	280	--	--	--
			4	91-4-WWL2	91-4-WWL3	70	--	210	--	--	--
			4	91-4-WWL3	91-4-WWL4	50	--	150	--	--	--
			4	91-4-WWL4	91-4-WWL5	85	--	255	--	--	--
			4	91-4-WWL5	91-4-WWL6	95	--	285	--	--	--
			4	91-4-WWL6	91-4-WWL7	90	--	270	--	--	--
			4	91-4-72	91-4-73	330	--	990	--	--	--
			4	91-4-73	91-5-45	140	--	420	--	--	--
			5	91-5-45	91-5-46	170	--	510	--	--	--
			5	91-5-46	91-5-47	170	--	510	--	--	--
			5	91-5-47	91-5-51	240	--	720	--	--	--
			5	91-5-51	LPB-91-1, LPB-91-2	100	--	300	100	100	--
			5	LPB-91-1, LPB-91-2	UDL - (91-5-48 / 91-5-49 / 91-5-50)	140	--	420	100	100	UDL - STH 100 / MAYFAIR ROAD
			5	91-5-51	91-5-52	170	--	510	--	--	--
			5	91-5-52	91-5-45	160	--	480	--	--	--
	3	91				3,210	0	4,590	7,860	400	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LIGHTING - LOCAL LIGHTING CONDUIT AND WIRE CONTINUED

- 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH*
- 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH*
- 655.0620 ELECTRICAL WIRE LIGHTING 8 AWG*
- 655.0630 ELECTRICAL WIRE LIGHTING 4 AWG*
- SPV0090.10 POLYETHYLENE DUCT 1 1/4-INCH

CATEGORY	STAGE	SYSTEM	CIRCUIT	FROM		TO		652.0225*		652.0235*		655.0620*		655.0630*		COMMENTS
				LF	LF	LF	LF	LF	LF	LF	LF	LF	LF			
1100	4	88	1	88	LPB-88-1	LPB-88-1	--	50	150	450	--	--	--	--	--	
			1	LPB-88-2	88-1-18	88-1-18	50	50	150	50	50	50	50	50	50	
			2	88	LPB-88-1	LPB-88-1	--	50	150	150	--	--	--	--	--	
			2	LPB-88-1	LPB-88-2	EX_JB-88-2	200	--	160	480	150	150	150	150	150	
			2	88-2-15	88-2-14	88-2-14	170	--	170	510	--	--	--	--	--	
			2	88-2-12	88-2-12	88-2-12	280	--	280	840	--	--	--	--	--	
			2	88-2-12	88-2-11	88-2-11	155	--	155	465	--	--	--	--	--	
			2	88-2-11	88-2-8	88-2-8	410	--	410	1,230	--	--	--	--	--	
			2	88-2-8	88-2-4	88-2-4	710	--	710	2,130	--	--	--	--	--	
			2	88-2-3	88-2-3	88-2-3	190	--	190	570	--	--	--	--	--	
			3	88	LPB-88-1	LPB-88-1	--	50	150	150	--	--	--	--	--	
			3	LPB-88-1	LPB-88-3	LPB-88-3	--	50	150	150	--	--	--	--	--	
			3	LPB-BB-3	EX_JB-88-4	EX_JB-88-4	200	--	200	600	200	200	200	200	200	
			3	88-3-51	88-3-52	88-3-52	155	--	155	465	--	--	--	--	--	
			3	88-3-52	88-3-53	88-3-53	275	--	275	825	--	--	--	--	--	
			3	88-3-53	UDL - (88-3-56/88-3-57)	UDL - (88-3-56/88-3-57)	350	--	350	1,050	--	--	--	--	--	
			3	88-3-53	88-3-58	88-3-58	555	--	555	1,665	--	--	--	--	--	
			3	88-3-58	88-3-59	88-3-59	150	--	150	450	--	--	--	--	--	
			3	88-3-59	88-3-60	88-3-60	380	--	380	1,140	--	--	--	--	--	
			3	88-3-60	88-3-63	88-3-63	390	--	390	1,170	--	--	--	--	--	
			5	88	LPB-88-1	LPB-88-1	--	50	150	150	--	--	--	--	--	
			5	LPB-88-1	LPB-88-3	LPB-88-3	--	50	150	150	--	--	--	--	--	
			5	LPB-BB-3	EX_JB-88-4	EX_JB-88-4	200	--	200	600	200	200	200	200	200	
			5	EX_JB-88-4	88-5-66	88-5-66	100	--	100	300	--	--	--	--	--	
							4,920	350	5,380	16,140	150	150	150	150	150	
							12,850	850	15,190	39,660	950	950	950	950	950	
							TOTALS									

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LIGHTING - CONTROL AND SERVICES
240/480 VAC-3-WIRE

- 654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 654.0230 CONCRETE CONTROL CABINET BASES TYPE L30
- 655.0640 ELECTRICAL WIRE LIGHTING 1 AWG
- 656.0400.1001 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (HL-40-UC)
- 656.0400.1002 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (HL-40-NA)
- 656.0400.1003 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (HL-40-BS)
- 656.0400.1004 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (H)
- 656.0400.1005 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (88)
- 659.2230 LIGHTING CONTROL CABINETS 240/480 30-INCH
- SPV.0060.1013 LIGHTING CONTROL CABINETS 240/480 WAUWATOSA

3

SPV.0060.1013

SPV.0060.1013

CATEGORY	STAGE	DESCRIPTION	LOCATION	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30	655.0640 ELECTRICAL WIRE LIGHTING 1 AWG	656.0400.1001 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (HL-40-UC)	656.0400.1002 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (HL-40-NA)	656.0400.1003 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (HL-40-BS)	656.0400.1004 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (H)	656.0400.1005 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (88)	659.2230 LIGHTING CONTROL CABINETS 240/480 30-INCH WAUWATOSA	SPV.0060.1013 LIGHTING CONTROL CABINETS 240/480 WAUWATOSA	COMMENTS
1100	2	H	113TH STREET NORTH OF MEINCKE AVENUE	1	--	18	--	--	--	--	--	--	--	--
	4	88	NORTH AVENUE SOUTH OF 177TH STREET	1	--	18	--	--	--	--	--	--	--	--
1100	4	HL-40-WV	NW CORNER OF IH 41 AND WATERTOWN PLANK ROAD	--	--	--	--	--	--	--	--	--	--	INSTALLED UNDER 1060-33-72
	4	HL-40-UC	SW CORNER OF IH 41 AND UNDERWOOD PARKWAY	--	1	18	1	--	--	--	--	--	--	--
	4	HL-40-NA	SW CORNER OF IH 41 AND CENTER STREET	--	1	18	--	--	--	--	--	--	--	--
	5	HL-40-BS	NE CORNER OF IH 41 AND BURLEIGH STREET	--	1	18	--	--	--	--	--	--	--	--
TOTALS				2	3	90	1	1	1	1	1	3	2	

- PLAQUE TEXT
- HL-40-UC UNDERWOOD PARKWAY
- 2 - 480 VAC WARNING (2 REQUIRED PER LOCATION; METER PEDESTAL AND CABINET DOOR)
- HL-40-NA NORTH AVENUE
- 2 - 480 VAC WARNING (2 REQUIRED PER LOCATION; METER PEDESTAL AND CABINET DOOR)
- HL-40-BS BURLEIGH STREET
- 2 - 480 VAC WARNING (2 REQUIRED PER LOCATION; METER PEDESTAL AND CABINET DOOR)

Addendum No. 03
ID 1060-33-84
Revised Sheet 1160
September 24, 2020

LIGHTING - LIGHTING SYSTEM

SPV.0105.1001 MAINTENANCE OF LIGHTING SYSTEMS
 SPV.0105.1002 LIGHTING SYSTEM INTEGRATOR
 SPV.0105.1003 LIGHTING SYSTEM SURVEY

CATEGORY	STAGE	DESCRIPTION / SYSTEM	LOCATION	SPV.0105.1001 MAINTENANCE OF LIGHTING SYSTEMS	SPV.0105.1002 LIGHTING SYSTEM INTEGRATOR	SPV.0105.1003 LIGHTING SYSTEM SURVEY	COMMENTS
1100	1-5	HL-40-WW	IH 41 / USH 45	LS 0.1	LS 0.1	LS 0.1	--
		HL-40-UC	IH 41 / USH 45	0.3	0.3	0.3	--
		HL-40-NA	IH 41 / USH 45	0.3	0.3	0.3	--
		HL-40-BS	IH 41 / USH 45	0.3	0.3	0.3	--
	1-5	TOTALS		1	1	1	

LIGHTING - PULL BOXES LOCAL

SPV.0060.1010 LIGHTING PULL BOXES WAUWATOSA 17-INCH x 30-INCH
 SPV.0060.1011 LIGHTING PULL BOXES WAUWATOSA 24-INCH x 36-INCH

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	OFFSET	SPV.0060.1010 LIGHTING PULL BOXES WAUWATOSA 17-INCH x 30-INCH	SPV.0060.1011 LIGHTING PULL BOXES WAUWATOSA 24-INCH x 36-INCH	COMMENTS
1100	2	H	LPB-H-1	22TA+90.8	22.4' RT	1	1	--
			LPB-H-2	19TA+55.5	19.4' RT	1	1	--
			LPB-H-3	18TA+55.2	18.1' RT	1	1	--
			LPB-H-4	18TA+56.1	26.1' LT	1	1	--
			LPB-H-5	19TA+56.1	25.1' LT	1	1	--
			LPB-H-6	27TA+62.4	21.4' LT	1	1	--
			LPB-H-7	28TA+41.3	20.5' LT	1	1	--
			LPB-H-8	28TA+55.6	18.0' RT	1	1	--
	2	H	SUBTOTAL			7	1	
3	91		LPB-91-1	596+05.6	55.3' LT	1	1	--
			LPB-91-2	595+99.6	6.5' RT	1	1	--
			LPB-91-3	595+99.9	52.4' RT	1	1	--
	3	91	SUBTOTAL			3	0	
4	88		LPB-88-1	97NO+25.0	3.3' LT	1	1	--
			LPB-88-2	97NO+25.1	54.3' LT	1	1	--
			LPB-88-3	97NO+24.2	55.1' RT	1	1	--
	4	88	SUBTOTAL			2	1	
			TOTALS			12	2	

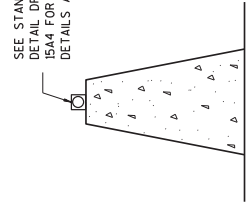
Addendum No. 03
 ID 1060-33-84
 Revised Sheet 1161
 September 24, 2020

GENERAL NOTES

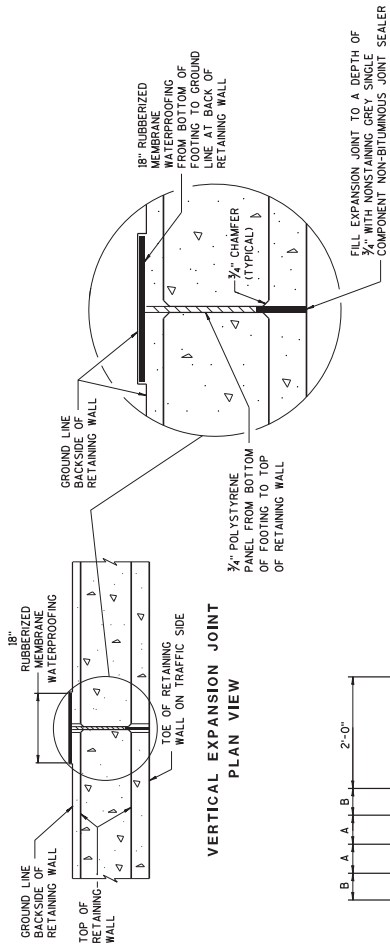
- PROVIDE EXPANSION JOINTS WHERE THERE ARE EXISTING EXPANSION JOINTS OR AT THE END OF EACH POUR.
- NO HORIZONTAL STEEL CROSSES EXPANSION JOINTS.
- CONSTRUCT PER STANDARD SPECIFICATION 603.
- SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASETENED TOGETHER UNLESS NOTED OTHERWISE.
- 4000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

Addendum No. 03
ID 1060-33-84
Added Sheet 1422A
September 24, 2020

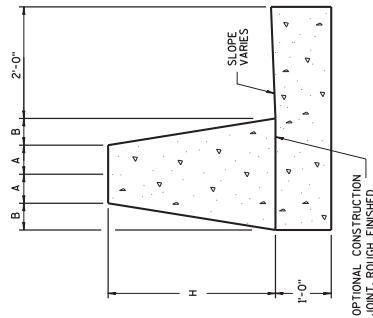
SEE STANDARD
DETAIL DRAWING
1544 FOR DELINEATOR
DETAILS AND SPACING



DELINEATOR



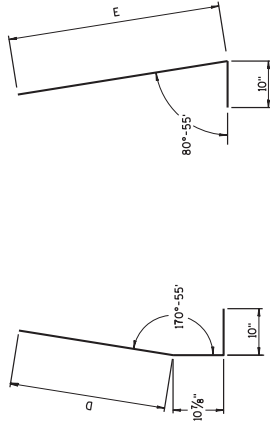
VERTICAL EXPANSION JOINT PLAN VIEW



ROADSIDE RETAINING WALL

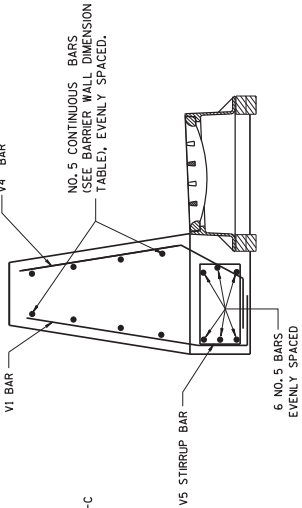
BAR CHART
ROADSIDE RETAINING WALL

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

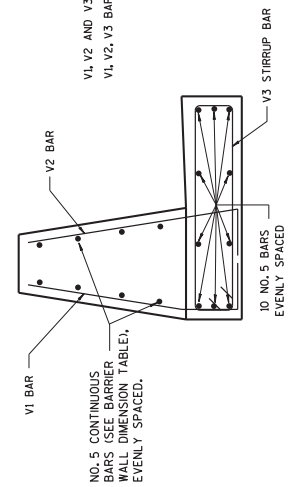


V2 BAR BENDING DETAIL

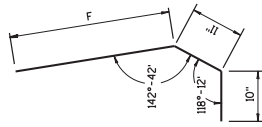
V1 BAR BENDING DETAIL



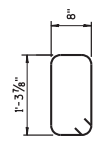
ROADSIDE RETAINING WALL BAR PLACEMENT NEAR INLET



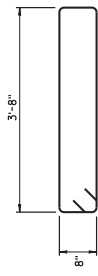
ROADSIDE RETAINING WALL NORMAL BAR PLACEMENT



V4 BAR BENDING DETAIL

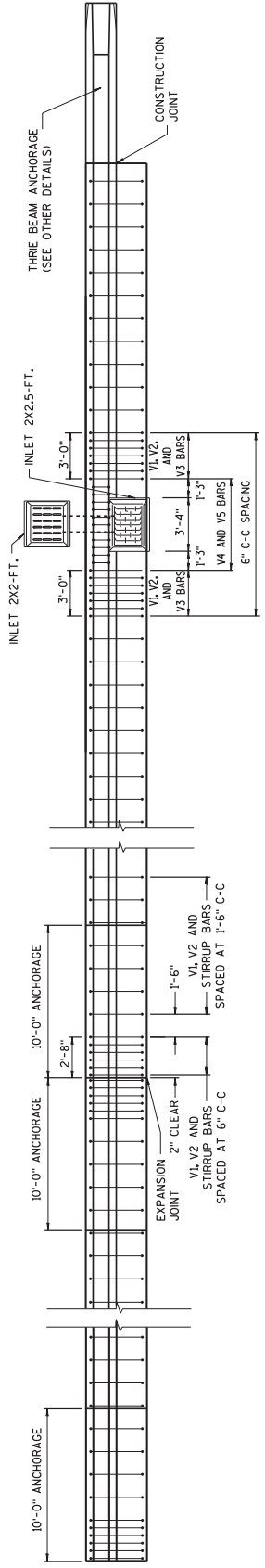


V5 STIRRUP BAR BENDING DETAIL



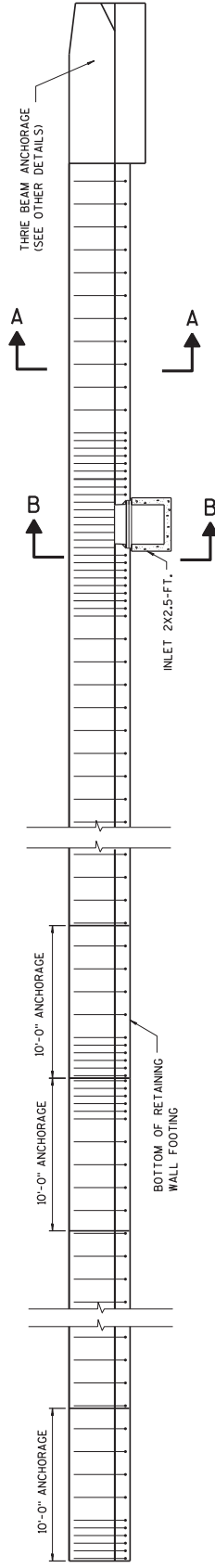
V3 STIRRUP BAR BENDING DETAIL

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



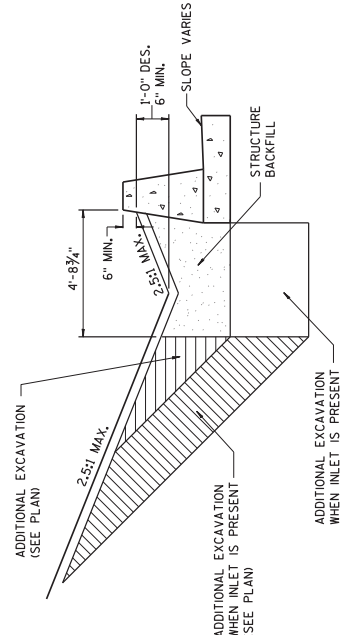
PLAN VIEW

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

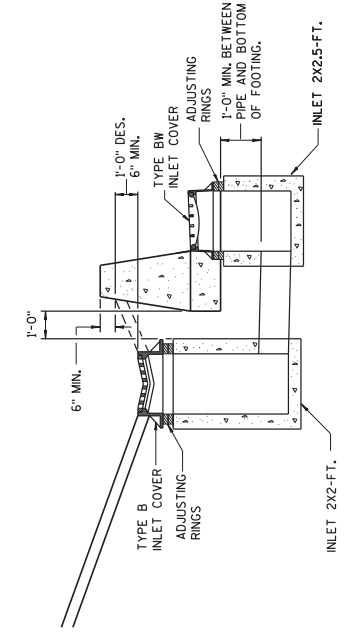


ELEVATION VIEW

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



SECTION A-A



SECTION B-B

MINIMUM DESIGN OF EARTH WORK

MINIMUM DESIGN OF EARTH WORK FOR INLET

Addendum No. 03
 ID 1060-33-84
 Added Sheet 1422B
 September 24, 2020

SINGLE SLOPE ROADSIDE RETAINING WALL	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017	/s/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR FHWA

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL WITHIN THE WALL IN THE REINFORCING ZONE	30	0	120
BEHIND/BELOW THE REINFORCING ZONE	31	0	120
SILT, BROWN, SOME CLAY, TRACE SAND EL. 713.3 TO EL. 714.4	0	4,500	130
SILT, BROWN, SOME CLAY, TRACE SAND, LITTLE GRAVEL EL. 714.8 TO EL. 710.3	0	4,000	120
SAND, BROWN, FINE, LITTLE SILT EL. 710.3 TO EL. 709.3	32	0	120
SILT, BROWN, SOME CLAY, TRACE SAND AND GRAVEL EL. 709.3 TO EL. 707.3	0	2,500	115
SAND, BROWN, FINE, LITTLE SILT EL. 707.3 TO EL. 705.8	32	0	120
SILT, BROWN, SOME CLAY EL. 705.8 TO EL. 703.8	0	1,000	115
SILT, GRAY, LITTLE CLAY AND SAND EL. 703.8 AND BELOW	0	2,500	120
SILT, BROWN, FINE TO MEDIUM SAND EL. 711.8 TO EL. 708.8	30	0	115
SILT, BROWN, SOME CLAY, LITTLE SAND EL. 708.8 TO EL. 705.8	0	3,000	120
SAND, BROWN, FINE TO MEDIUM, SOME SILT EL. 705.8 TO EL. 699.8	32	0	120
SILT, BROWN, SOME CLAY, TRACE SAND EL. 704.8 TO EL. 699.8	0	4,500	130
SAND, BROWN, FINE TO MEDIUM, SOME GRAVEL EL. 699.8 TO EL. 697.8	32	0	120
SILT, BROWN, LITTLE CLAY, TRACE SAND EL. 697.8 TO EL. 692.8	0	2,000	115
SAND AND GRAVEL, GRAY, FINE TO COARSE EL. 692.8 TO EL. 689.8	33	0	125
SILT, BROWN, TRACE SAND EL. 689.8 AND BELOW	0	4,500	125
SILT, SOME CLAY, LITTLE SAND EL. 705.1 TO EL. 697.1	0	2,000	120
SAND, BROWN, FINE TO MEDIUM, SOME SILT EL. 697.1 TO EL. 694.1	31	0	115
SILT, BROWN EL. 694.1 TO EL. 692.1	0	1,500	120
SILT, GRAY, SOME FINE TO MEDIUM SILT EL. 692.1 TO EL. 688.1	31	0	115
SILT, GRAY, SOME FINE TO MEDIUM SAND AND GRAVEL EL. 688.1 TO EL. 681.1	32	0	120
CLAY, GRAY, TRACE OF SILT EL. 681.1 TO EL. 677.6	0	4,500	125
SILT, GRAY, SOME FINE TO COARSE SAND, SOME GRAVEL EL. 677.6 AND BELOW	36	0	130

WALL EXTERNAL STABILITY EVALUATION

DIMENSIONS	WALL HEIGHT (FEET)	EXPOSED WALL HEIGHT (FEET)	REINFORCEMENT LENGTH (FEET)	L/H	WALL STATION (WS)	BIDDING USED	CAPACITY TO DEMAND RATIO (CDR) ±
	10.5	21.5	27.9				
	9.0	20.0	26.4				
	9.9	17.0	21.2				
	0.94	0.79	0.76				
	11+00	12+12	13+50				
	B-16	B-17	B-14				
	1.0	1.0	1.0				
	1.6	1.3	1.2				
	NA	NA	1.5				
	1.8	1.0	1.0				
	6,000	7,000	9,000				

1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FEET.
 2. CDR REQUIREMENTS AND LOAD AND RESISTANCE FACTORS ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.
 3. THE CDR VALUE IS THE MINIMUM CDR. THE APPLICABLE GLOBAL SLOPE STABILITY WAS EVALUATED AT THE CRITICAL WALL LOCATION.

GEOMETRY TABLE

WALL STATION	R/L STATION	OFFSET TO P.P. WALL	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
9+98.40	400+484.42 'N'	110.00' RT.	733.11	733.20	729.26
10+00.00	400+494.93 'N'	110.06' RT.	733.12	733.21	729.15
10+10.00	400+499.38 'N'	110.34' RT.	733.16	733.24	728.63
10+25.00	400+734.55 'N'	110.77' RT.	733.23	731.79	727.88
10+50.00	400+97.17 'N'	111.46' RT.	733.36	729.37	726.15
10+75.00	401+20.78 'N'	112.19' RT.	733.48	726.50	723.58
10+79.62	401+25.14 'N'	112.25' RT.	733.50	726.50	723.29
11+00.00	401+44.38 'N'	112.77' RT.	733.61	724.58	721.83
11+25.00	401+67.88 'N'	113.39' RT.	733.73	722.22	719.09
11+50.00	401+91.56 'N'	113.99' RT.	733.85	719.86	716.71
11+75.00	402+15.15 'N'	114.55' RT.	733.94	717.49	714.53
12+00.00	402+38.72 'N'	115.10' RT.	733.98	715.13	712.81
12+12.00	402+50.00 'N'	115.35' RT.	733.99	714.00	712.55
12+25.00	402+62.29 'N'	115.62' RT.	733.98	713.33	712.45
12+50.00	402+85.86 'N'	116.11' RT.	733.94	712.04	712.15
12+75.00	403+09.42 'N'	116.58' RT.	733.85	710.76	711.92
13+00.00	403+32.98 'N'	117.03' RT.	733.72	709.47	709.74
13+18.44	403+50.34 'N'	117.34' RT.	733.59	708.52	707.63
13+18.44	403+50.34 'N'	117.34' RT.	733.59	708.52	707.63
13+25.00	403+56.63 'N'	117.45' RT.	733.54	706.18	706.88
13+38.80	403+69.34 'N'	117.67' RT.	733.43	707.47	706.29
13+38.80	403+69.34 'N'	117.67' RT.	733.43	707.47	706.29
13+50.00	403+80.54 'N'	117.82' RT.	733.28	706.90	705.79
13+53.40	403+83.68 'N'	117.86' RT.	733.28	706.72	705.63
13+53.40	403+83.68 'N'	117.86' RT.	733.28	706.72	705.63
13+75.00	50+95.03 'UC'	40.62' RT.	722.08	706.91	706.72
13+84.28	50+85.19 'UC'	41.74' RT.	723.08	707.01	707.73
13+91.33	50+77.68 'UC'	42.91' RT.	723.44	707.08	708.49
14+00.00	50+68.44 'UC'	43.33' RT.	723.44	707.17	709.43
14+25.00	50+41.65 'UC'	45.01' RT.	723.44	707.48	708.90
14+50.00	50+14.76 'UC'	45.55' RT.	723.44	707.93	708.70
14+71.62	49+91.49 'UC'	45.35' RT.	723.44	708.45	708.71
14+75.00	49+87.86 'UC'	45.23' RT.	723.44	708.53	708.71
14+83.18	49+79.06 'UC'	44.87' RT.	723.44	708.78	708.87
14+83.18	49+79.06 'UC'	44.87' RT.	719.15	708.78	708.87
15+00.00	49+61.04 'UC'	43.78' RT.	719.15	709.30	709.19
15+16.76	49+43.15 'UC'	42.22' RT.	719.15	709.92	709.65
15+16.76	49+43.15 'UC'	42.22' RT.	719.15	709.92	709.65
15+25.00	49+34.40 'UC'	41.28' RT.	719.15	710.22	709.88
15+50.00	49+06.02 'UC'	37.76' RT.	719.15	711.27	711.61
15+62.44	215+28.49 'N'SSP 48+95.02 'UC'	54.95' L.L. 35.63' RT.	719.15	711.86	712.18

ADDENDUM NO. 03

ID 1060-33-84
 Revised Sheet 2180
 September 24, 2020

9/22/20

WALL DATA
2180

STRUCTURE R-40-561

DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

REVISION
BY

DATE

UPDATED WALL STABILITY TABLE
DLM

SCALE = 10:00

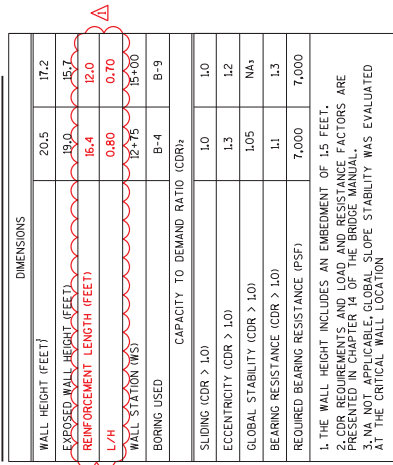
GEOMETRY TABLE

WALL STATION	R/L STATION	OFFSET TO F.F. WALL	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
11+60.94	224+98.67 'N55B'	64.95' L.T.	720.79	720.81	716.91
11+70.00	224+89.61 'N55B'	64.95' L.T.	721.09	721.11	717.46
11+75.00	224+84.62 'N55B'	64.95' L.T.	721.25	720.37	717.55
12+00.00	224+59.62 'N55B'	64.95' L.T.	722.03	716.67	717.59
12+14.65	224+45.93 'N55B'	64.95' L.T.	722.43	714.57	717.46
12+28.14	224+32.44 'N55B'	64.95' L.T.	722.81	712.97	717.41
12+50.00	224+10.59 'N55B'	64.95' L.T.	723.68	709.26	714.86
12+59.02	224+01.56 'N55B'	64.95' L.T.	724.07	707.93	712.66
12+59.02	224+01.56 'N55B'	64.95' L.T.	724.07	707.93	712.66
12+75.00	223+85.59 'N55B'	64.95' L.T.	724.51	705.56	708.75
12+76.14	223+82.45 'N55B'	64.95' L.T.	724.68	705.27	708.10
12+76.14	223+82.45 'N55B'	64.95' L.T.	724.68	705.27	708.10
12+85.94	223+74.64 'N55B'	64.95' L.T.	716.16	704.55	706.48
12+85.94	223+74.64 'N55B'	64.95' L.T.	716.16	704.55	706.48
13+00.00	411+94.38 'N5'	74.18' L.T.	716.16	704.65	706.99
13+25.00	412+04.80 'N5'	51.46' L.T.	716.16	704.83	707.37
13+34.94	412+08.95 'N5'	42.41' L.T.	716.16	704.90	708.09
13+34.94	412+08.95 'N5'	42.41' L.T.	716.16	704.90	708.09
13+50.00	412+15.23 'N5'	28.73' L.T.	716.16	705.00	708.26
13+75.66	412+25.10 'N5'	7.22' L.T.	716.16	705.17	708.61
13+75.00	412+25.65 'N5'	6.01' L.T.	716.27	705.18	708.63
13+83.66	412+29.27 'N5'	1.87' R.T.	716.98	705.24	708.77
13+83.66	412+29.27 'N5'	1.87' R.T.	716.98	705.24	708.77
13+84.42	412+29.59 'N5'	2.56' R.T.	716.98	705.24	708.78
14+00.00	412+36.08 'N5'	16.71' R.T.	716.98	705.35	709.03
14+25.00	412+46.50 'N5'	39.44' R.T.	716.98	705.53	709.39
14+50.00	412+56.93 'N5'	62.16' R.T.	716.98	705.71	709.68
14+70.66	412+65.55 'N5'	80.95' R.T.	716.98	706.00	712.92
14+70.66	412+65.55 'N5'	80.95' R.T.	716.98	706.00	712.92
14+75.00	412+69.88 'N5'	80.95' R.T.	716.98	706.06	714.07
14+76.12	412+73.01 'N5B'	80.95' R.T.	716.98	706.27	714.56
14+76.12	412+73.01 'N5B'	80.95' R.T.	724.39	706.27	714.56
14+95.04	412+89.93 'N5'	80.95' R.T.	723.69	707.38	717.19
14+96.71	412+91.60 'N5'	80.95' R.T.	723.59	707.49	717.43
14+96.71	412+91.60 'N5'	80.95' R.T.	723.59	707.49	717.43
15+00.00	412+94.89 'N5'	81.00' R.T.	723.39	707.71	717.91
15+19.67	600+25.29 'N5NB'	64.95' R.T.	722.58	710.53	717.36
15+25.00	600+30.61 'N5NB'	64.95' R.T.	722.36	711.29	717.21
15+50.00	600+55.61 'N5NB'	64.95' R.T.	721.38	714.87	716.57
15+75.00	600+80.61 'N5NB'	64.95' R.T.	720.39	716.45	716.23
15+85.66	600+91.27 'N5NB'	64.95' R.T.	719.98	719.98	716.07
15+95.66	601+01.27 'N5NB'	64.95' R.T.	719.58	719.58	716.09

SOIL PARAMETERS

SOIL DESCRIPTION	FRICITION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL WITHIN THE WALL IN THE REINFORCING ZONE	30	0	120
FILL BEHIND/BELOW THE REINFORCING ZONE	31	0	120
B-4			
SILT, BROWN, SOME CLAY, LITTLE SAND AND GRAVEL	0	1,000	110
SILT, SOME GRAVEL, LITTLE SAND	0	2,000	115
EL. 698.3 TO EL. 695.3			
SAND AND GRAVEL, FINE TO COARSE	32	0	120
EL. 695.3 TO EL. 692.3			
CLAY, GRAY, SOME SILT	0	750	110
SAND AND GRAVEL, FINE TO COARSE	33	0	125
EL. 692.3 TO EL. 689.3			
CLAY, GRAY, SOME SILT	0	4,500	125
EL. 689.3 TO EL. 682.3			
SILT, SOME FINE TO MEDIUM SAND, SOME GRAVEL	0	4,500	135
EL. 682.3 TO EL. 678.3			
EL. 678.3 AND BELOW			
B-9			
SAND AND GRAVEL, FINE TO COARSE	32	0	125
EL. 708.2 TO EL. 697.2			
CLAY, GRAY, SOME SILT	0	2,500	120
EL. 697.2 TO EL. 694.2			
SAND AND GRAVEL, FINE TO COARSE	33	0	125
EL. 694.2 TO EL. 691.2			
CLAY, GRAY, SOME SILT	0	3,500	125
EL. 691.2 TO EL. 680.2			
CLAY, GRAY, SOME SILT	0	3,000	135
EL. 680.2 TO EL. 679.2			
COBBLES, FINE TO COARSE GRAVEL	36	0	135
EL. 679.2 TO EL. 675.2			
SAND AND GRAVEL, BROWN, FINE TO COARSE, COBBLES	36	0	135
EL. 675.2 AND BELOW			

WALL EXTERNAL STABILITY EVALUATION



Addendum No. 03
ID 1060-33-84
Revised Sheet 2197
September 24, 2020

9/22/20

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-40-564

WALL DATA

SHEET 5
2197

REVISION BY

DATE

PLANS DLM (C/D) BLB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
206.3000	EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-576	LS	518
502.010.5	CONCRETE MASONRY SOLDIER PILE FOOTINGS	CY	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY	23
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	1,027
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	100,355
506.0605	STRUCTURAL STEEL HS	LB	341,900
506.3010	WELDED STUD SHEAR CONNECTORS 7/8X5-INCH	EACH	4,264
513.2001	RAILING PIPE R-40-576	LF	750
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	46
517.0600	PAINTING EPOXY SYSTEM R-40-576	LS	1
517.010.5	CONCRETE STAINING R-40-576	SF	18,565
517.050.5	ARCHITECTURAL SURFACE TREATMENT R-40-576	SF	15,225
SPV.0035	LIGHTWEIGHT FOAMED CONCRETE FILL	CY	402
SPV.0060	ANCHOR ASSEMBLIES NOISE BARRIER STRUCTURES R-40-576	EACH	19
SPV.0060	TIEBACK ANCHORS	EACH	176
SPV.0060	TIEBACK ANCHORS PERFORMANCE TESTS	EACH	9
SPV.0075	OBSTRUCTIONS FOUNDATION DRILLING	HRS	15
SPV.0090	PIPE UNDERDRAIN 6-INCH SPECIAL	LF	1,135
SPV.0090	FOUNDATION DRILLING	LF	4,755
SPV.0090	FENCE DECORATIVE WALL	LF	127
SPV.0100	TIMBER LAGGING	MBM	52
SPV.0165	GEOCOMPOSITE DRAIN BOARD	SF	15,690
	NON-BID ITEMS		
	FILLER		

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
 BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
 THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.
 BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE SHOWN OR NOTED.
 ALL DIMENSIONS ARE ALONG THE FRONT FACE OF WALL UNLESS OTHERWISE SHOWN OR NOTED.
 THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.
 THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-576".
 THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF WALL R-40-576 WITH THE CONSTRUCTION OF THE EAST ABUTMENT OF BRIDGE B-40-875 AND SIGN STRUCTURE S-40-71.
 SEE SPECIAL PROVISIONS FOR AESTHETIC TREATMENT TO WALL.

HORIZONTAL CURVE DATA

WALL CURVE 1	WALL CURVE 2	WALL CURVE 3	WALL CURVE 4
P.I. = 14+94.09	P.I. = 19+70.72	P.I. = 20+48.11	P.I. = 21+09.21
Δ = 1°-55'-12"	Δ = 1°-50'-56"	Δ = 1°-52'-25"	Δ = 9°-19'-23"
T = 88.53'	T = 35.68'	D = 18°-07'-37"	D = 18°-07'-57"
L = 177.00'	L = 71.45'	T = 35.66'	T = 25.74'
R = 2984.00'	R = 318.62'	L = 71.02'	L = 51.37'
P.C. = 14+05.57	P.C. = 19+40.99	R = 316.08'	R = 315.70'
P.T. = 15+82.57	P.T. = 20+12.45	P.C. = 20+12.45	P.C. = 20+83.46
		P.T. = 20+83.46	P.T. = 21+34.83

BACKFILL ALL SPACES AT THE BACK FACE AND NOT OCCUPIED BY THE NEW STRUCTURE WITH FLOWABLE BACKFILL TO CONTROL LOW STRENGTH MATERIAL (CLSM). WHERE COMPACTION WITH SMALL WALK BEHIND EQUIPMENT AT THE BACKFACE OF WALL CAN REASONABLY BE ACCOMPLISHED AS DETERMINED BY THE ENGINEER, STRUCTURE BACKFILL IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATIONS MAY BE USED. THE CONTRACTORS OPTION, ALL BACKFILL MATERIAL SPECIFICATIONS MUST BE INCLUDED IN THE BID ITEM "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-576".
 EXISTING STRUCTURES ARE NOT SHOWN IN THESE PLANS. THE REMOVAL OF THESE STRUCTURES IS INCLUDED IN A LUMP SUM PAY ITEM AS PART OF THE B-40-875 BRIDGE QUANTITIES.
 ALL WALL ANCHOR SLAB COPING & PARAPET EXPANSION JOINTS TO MATCH ALL WALL FACING EXPANSION & CONTRACTION JOINTS.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.
 PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE TOP HORIZONTAL SURFACE OF THE ANCHOR SLAB COPING ADJACENT TO PARAPETS ONLY.

SOLDIER PILE WALL NOTES

THE QUANTITY OF CAST-IN-PLACE CONCRETE MASONRY FOR THE SOLDIER PILE WALL COPING, EAST-IN-PLACE CONCRETE TIEBACK ANCHOR SLAB AND PARAPET IS PAID FOR UNDER THE ITEM "CONCRETE MASONRY RETAINING WALLS".
 THE VOLUME OF EARTHWORK REQUIRED TO INSTALL THE ANCHOR SLAB SOLDIER PILES AND FOOTINGS IS INCLUDED IN THE BID ITEM "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-576". AFTER WALL SOLDIER PILE CONSTRUCTION HAS BEEN COMPLETED, ALL EARTHWORK IN FRONT OF THE RETAINING WALL IS PAID FOR UNDER THE ROADWAY ITEM "COMMON EXCAVATION". SEE ROADWAY PLAN FOR EXCAVATION LIMITS.
 FLOWABLE BACKFILL AND CLSM ARE INCLUDED IN THE BID ITEM "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-576". SEE SPECIAL PROVISIONS FOR DESCRIPTION OF FLOWABLE BACKFILL AND CLSM.
 SURFACE PREP AND PAINT SOLDIER PILES FROM TOP OF PILE TO 1'-0" BELOW TOP OF ANCHOR SLAB. THE PAINT AND FINISH SHALL BE SPECIFIED IN SECTION 517 OF THE STANDARD SPECIFICATIONS. WELDED STUD SHEAR CONNECTORS ARE NOT REQUIRED TO BE PAINTED. PAINTING OF PILES IS MEASURED AND PAID FOR AS BID ITEM NUMBER 517.0600. PAINTING EPOXY SYSTEM R-40-576.
 FILL TO TOP OF SHOOT ELEVATION WHERE NEEDED TO PROVIDE WORKING SURFACE. FILL INCIDENTAL TO BID ITEM "CONCRETE MASONRY SOLDIER PILE FOOTINGS".

BACKFILL TO A MINIMUM OF 4'-0" BELOW THE TOP OF WALL ELEVATION PRIOR TO STRESSING TIEBACK ANCHORS. BACKFILL INCLUDED IN BID ITEM "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-576".
 WHERE LIGHTWEIGHT FOAMED CONCRETE FILL (LFC) IS USED BEHIND THE WALL, LFC IS TO BE INSTALLED PRIOR TO STRESSING TIEBACK ANCHORS. DO NOT STRESS TIEBACK ANCHORS PRIOR TO LFC OBTAINING THE SPECIFIED 28-DAY COMPRESSIVE STRENGTH.

STATE PROJECT NUMBER
1060-33-84

Addendum No. 03
ID 1060-33-84
Revised Sheet 2344
September 24, 2020

8

 9/23/20

9/23/20	ESTIMATED QUANTITIES	CAD
NOI DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION		
STRUCTURE R-40-576		
WWR	ISSUED BY	PLANS CAD
GENERAL NOTES		
SHEET 4		
& QUANTITIES 2344		

STATE PROJECT NUMBER
1060-33-84

SOLDIER PILE DATA TABLE (CONT.)

PILE NO.	WALL R/L STA	OFFSET LEFT	APPROX. EXISTING GRADE	FINISHED GRADE AT WALL FACE	FOUNDATION DRILLING LENGTH	TOP OF WALL	TOP OF SOLDIER PILE	TOP OF FOOTING	BOTTOM OF FOOTING	FOOTING LENGTH	FOOTING DIAMETER	SOLDIER PILE SECTION	SOLDIER PILE LENGTH	NO. OF SHEAR HEADS	THE BACK ELEV 1	THE BACK ELEV 2	KNOWN OBSTRUCTION
141	20+54.34	1.73	761.82	755.39	30.68	766.25	764.75	753.14	731.14	21.00	2.5	WR14X73	33.62	24	760.25	-	
142	20+61.84	1.73	761.03	755.27	30.00	765.16	763.16	752.02	731.02	21.00	2.5	WR14X73	32.63	22	755.16	-	
143	20+69.34	1.87	760.23	755.16	32.32	764.06	762.86	751.91	727.91	24.00	3.0	WR24X55	34.65	10	-	-	
144	20+76.84	1.87	759.55	755.05	31.75	762.96	761.46	751.80	727.80	24.00	3.0	WR24X55	33.66	9	-	-	
145	20+84.34	1.87	759.22	754.95	31.52	763.86	760.36	751.70	727.70	24.00	3.0	WR24X55	32.67	8	-	-	
146	20+91.84	1.75	758.89	754.84	25.18	760.76	759.26	751.59	733.59	18.00	2.5	WR14X40	25.68	7	-	-	
147	20+99.34	1.75	758.56	754.73	24.19	759.67	758.17	751.48	733.48	18.00	2.5	WR14X40	24.69	6	-	-	
148	21+06.84	1.75	758.51	754.57	23.24	758.57	757.07	751.32	733.32	18.00	2.5	WR14X40	23.74	5	-	-	
149	21+14.34	1.75	758.45	754.41	22.30	757.47	755.97	751.16	733.16	18.00	2.5	WR14X40	22.80	5	-	-	
150	21+20.88	1.75	758.45	754.27	21.49	756.50	755.00	751.02	733.02	18.00	2.5	WR14X40	21.99	4	-	-	
151	21+26.46	1.75	758.44	754.01	21.17	755.69	754.44	750.76	732.76	18.00	2.5	WR14X40	21.67	3	-	-	
152	21+32.05	1.75	758.43	753.37	21.25	754.87	753.87	750.12	732.12	18.00	2.5	WR14X40	21.75	3	-	-	

△

NOTES

ALL DIMENSIONS AND ELEVATIONS GIVEN IN FEET.
FOUNDATION DRILLING LENGTH BASED ON ELEVATION 6" BELOW TOP OF SOLDIER PILE OR EXISTING GRADE, WHICHEVER IS LOWER. DRILLING LENGTH SHALL BE THE MAXIMUM OF THE TWO. THE TOP OF SOLDIER PILE TO THE BOTTOM OF FOOTING.

Addendum No. 03
ID 1060-33-84
Revised Sheet 2349
September 24, 2020

9/23/20
[Signature]

9/23/20	SHEAR STUDS	CAD
NO. DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION		
STRUCTURE R-40-576		
DESIGNED BY	WR14X40	CAD
DRWN	WR14X40	CAD
SOLDIER PILE DATA TABLE 3		SHEET 9
		2349

TIEBACK ANCHOR DATA TABLE

PILE NO.	TIEBACK NUMBER	TIEBACK ELEVATION	TIEBACK ORIENTATION (DEGRESS)	TIEBACK ORIENTATION (DEGRESS)	** TIEBACK ORIENTATION (DEGRESS)	** TIEBACK ORIENTATION (DEGRESS)	* ESTIMATED ANCHOR LENGTH (FT)	MINIMUM UNBONDED ANCHOR LENGTH (FT)	FACTORED DESIGN LOAD (KIPS)	LOCK OFF LOAD (KIPS)	PROOF TEST LOAD (KIPS)
108	132	765.88	15	90	90	27	15	115	69	132	
109	133	765.88	15	90	90	27	15	115	69	132	
110	134	765.88	15	90	90	27	15	115	69	132	
111	135	765.88	15	90	90	27	15	115	69	132	
112	136	768.46	30	90	90	30	15	130	104	149	
113	137	762.46	30	90	90	30	15	130	104	149	
114	138	767.97	30	90	90	30	15	130	104	149	
115	139	761.97	30	90	90	30	15	130	104	149	
116	140	767.48	30	95	95	30	15	130	104	149	
117	141	761.48	30	95	95	30	15	130	104	149	
118	142	766.99	30	92.5	92.5	30	15	130	104	149	
119	143	760.99	30	92.5	92.5	30	15	130	104	149	
120	144	766.50	30	90	90	30	15	130	104	149	
121	145	760.50	30	90	90	30	15	130	104	149	
122	146	766.01	30	90	90	30	15	130	104	149	
123	147	760.01	30	90	90	30	15	130	104	149	
124	148	765.52	30	90	90	30	15	130	104	149	
125	149	759.52	30	90	90	30	15	130	104	149	
126	150	765.03	30	90	90	30	15	130	104	149	
127	151	759.03	30	90	90	30	15	130	104	149	
128	152	764.54	30	90	90	30	15	130	104	149	
129	153	764.05	30	90	90	30	15	130	104	149	
130	154	768.05	30	90	90	30	15	130	104	149	
131	155	768.05	30	90	90	30	15	130	104	149	
132	156	765.05	30	90	90	25	15	110	88	126	
133	157	764.56	30	90	90	25	15	110	88	126	
134	158	764.07	30	90	90	25	15	110	88	126	
135	159	763.58	30	90	90	25	15	110	88	126	
136	160	763.09	30	90	90	24	15	105	84	120	
137	161	762.60	30	90	90	24	15	105	84	120	
138	162	762.14	30	90	90	24	15	105	84	120	
139	163	761.72	30	90	90	24	15	105	84	120	
140	164	761.30	30	90	90	24	15	105	84	120	
141	165	760.88	30	90	90	24	15	105	84	120	
142	166	760.45	30	90	90	24	15	105	84	120	
143	167	760.03	30	90	90	24	15	105	84	120	
144	168	759.61	30	90	90	24	15	105	84	120	
145	169	762.18	15	90	90	21	15	90	54	103	
146	170	761.76	15	90	90	21	15	90	54	103	
147	171	761.34	15	90	90	21	15	90	54	103	
148	172	760.91	15	90	90	21	15	90	54	103	
149	173	760.49	15	90	90	21	15	90	54	103	
150	174	760.07	15	90	90	13	15	55	33	63	
151	175	760.25	15	90	90	13	15	55	33	63	
152	176	759.46	15	90	90	11	15	45	27	51	

LEGEND

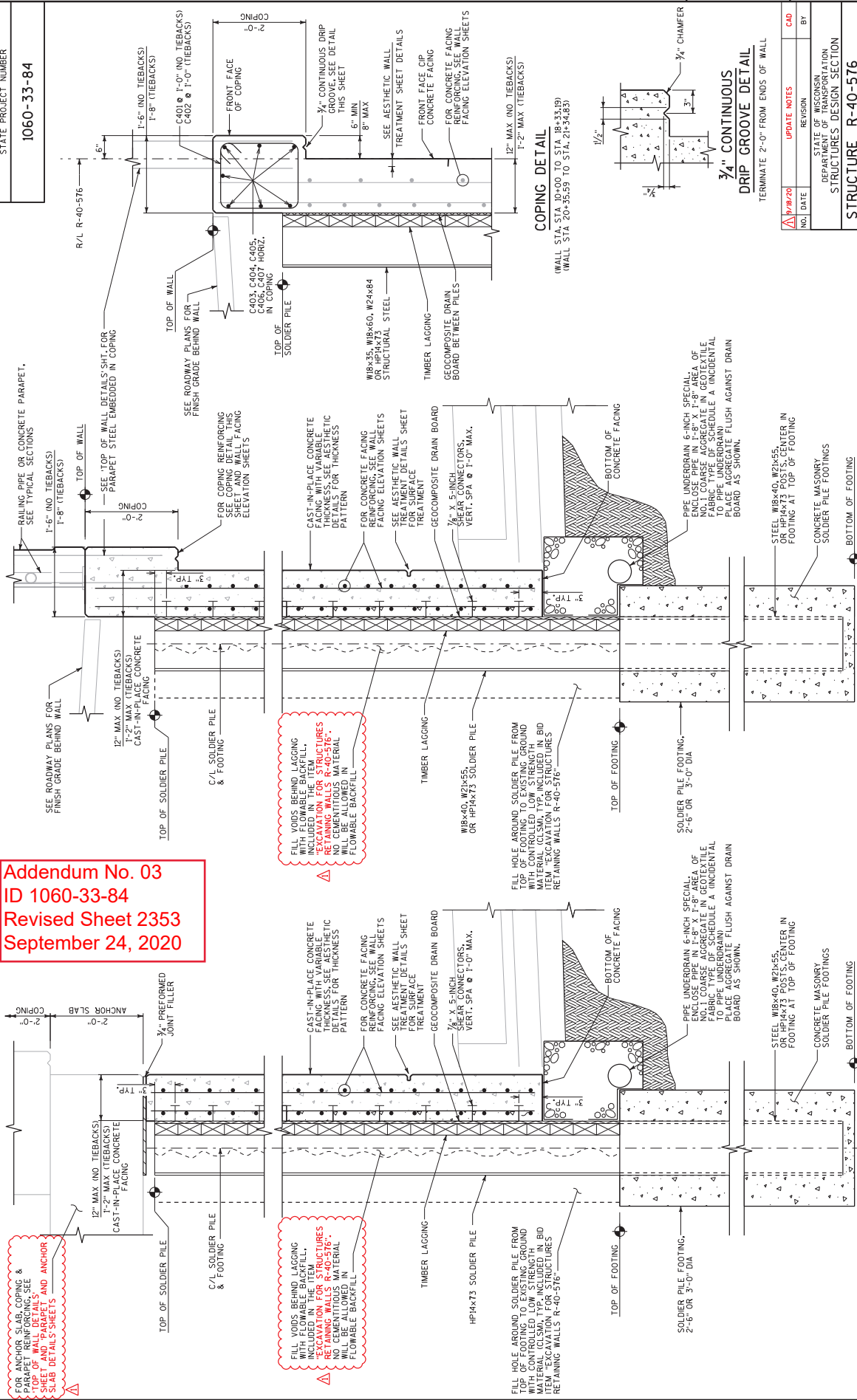
- * ESTIMATED BONDED ANCHOR LENGTH BASED ON 8" DIA. ANCHOR AND AN ASSUMED UNIFORM, ULTIMATE BOND STRESS OF 2.0 KSI (F_{hi}-L_o).
- MINIMUM BONDED ANCHOR LENGTH = 15'-0"
- ▲ ELEVATION GIVEN AT FRONT FACE OF SOLDIER PILE
- ** HORIZONTAL ORIENTATION IS MEASURED FROM WALL 'X/L' IN COUNTER-CLOCKWISE DIRECTION

Addendum No. 03
ID 1060-33-84
Revised Sheet 2352
September 24, 2020

[Signature] 9/23/20

DATE	REVISION	BY
9/18/20	TIEBACK LOADS	CAD
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION		
STRUCTURE R-40-576		
DESIGNED BY	CHECKED BY	CAD
WWR	WWR	
TIEBACK ANCHOR DATA TABLE 2		
SHEET 12		
2352		

STATE PROJECT NUMBER
1060-33-84



Addendum No. 03
ID 1060-33-84
Revised Sheet 2353
September 24, 2020

FOR ANCHOR SLAB COPING & PARAPET, SEE THIS SHEET AND PARAPET AND ANCHOR SLAB DETAILS SHEETS

FILL VOIDS BEHIND LAGGING WITH FLOWABLE BACKFILL. EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-576. ALL EXCAVATION MATERIAL WILL BE ALLOWED IN FLOWABLE BACKFILL.

FILL Voids AROUND SOLDIER PILE FROM TOP OF FOOTING TO EXISTING GROUND WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM), TYP. INCLUDED IN BID RETAINING WALLS R-40-576.

PIPE UNDERDRAIN 6-INCH SPECIAL. ENCLOSE PIPE IN 1'-8" X 1'-8" AREA OF CONCRETE. USE SCHEDULE 40 STEEL FABRIC TYPE OF SCHEDULE 40 INCIDENTAL TO PIPE UNDERDRAIN. PLACE AGGREGATE FLUSH AGAINST DRAIN BOARD AS SHOWN.

SOLDIER PILE AND WALL SECTION (NO ANCHOR SLABS)
(WALL STA. 10+00 TO STA. 18+33.19)
(WALL STA. 20+35.59 TO STA. 21+34.83)

SOLDIER PILE AND WALL SECTION AT ANCHOR SLABS
(STA. 18+33.19 TO STA. 20+35.59)

COPING DETAIL
(WALL STA. 10+00 TO STA. 18+33.19)
(WALL STA. 20+35.59 TO STA. 21+34.83)

3/4" CONTINUOUS DRIP GROOVE DETAIL
TERMINATE 2'-0" FROM ENDS OF WALL

NO.	DATE	REVISION	BY
1	9/18/20	UPDATE NOTES	CAD

STATE OF WISCONSIN	PLANS	CAD
DEPARTMENT OF TRANSPORTATION	BY	
STRUCTURES DESIGN SECTION	DATE	
STRUCTURE R-40-576	BRN	WWR/CJD

COPING AND WALL FACING DETAILS 1	SHEET 13
2353	

9/23/20

[Signature]

BILL OF BARS - FACING (CONTINUED)

BAR MARK	NO. REOD.	LENGTH	BENT	BAR SERIES	LOCATION
F437	X 62	9'-1"		▲	VERTICAL-PANEL 37
F438	X 46	15'-8"	▲	▲	VERTICAL-PANEL 38
F439	X 36	3'-8"	▲	▲	VERTICAL-PANEL 39
F440	X 4	23'-7"			HORIZONTAL-PANEL 1
F441	X 2	12'-5"			HORIZONTAL-PANEL 1
F442	X 731	29'-8"			HORIZONTAL-PANELS 2-25, 36-37
F443	X 689	29'-8"			HORIZONTAL-PANELS 16-25, 30-35
F444	X 23	22'-0"			HORIZONTAL-PANEL 26
F445	X 45	22'-0"			HORIZONTAL-PANEL 26
F446	X 29	30'-1"			HORIZONTAL-PANEL 27, 28
F447	X 55	30'-1"			HORIZONTAL-PANEL 27, 28
F448	X 62	22'-1"			HORIZONTAL-PANEL 29
F449	X 17	22'-2"			HORIZONTAL-PANEL 38
F450	X 8	16'-5"			HORIZONTAL-PANEL 39

BILL OF BARS - FACING

BAR MARK	NO. REOD.	LENGTH	BENT	BAR SERIES	LOCATION
F401	X 62	2'-6"	▲	▲	VERTICAL-PANEL 1
F402	X 62	4'-2"	▲	▲	VERTICAL-PANEL 2
F403	X 62	6'-0"	▲	▲	VERTICAL-PANEL 3
F404	X 62	7'-5"	▲	▲	VERTICAL-PANEL 4
F405	X 62	9'-0"	▲	▲	VERTICAL-PANEL 5
F406	X 62	8'-10"	▲	▲	VERTICAL-PANEL 6
F407	X 62	9'-9"	▲	▲	VERTICAL-PANEL 7
F408	X 62	10'-8"	▲	▲	VERTICAL-PANEL 8
F409	X 62	11'-7"	▲	▲	VERTICAL-PANEL 9
F410	X 62	13'-1"	▲	▲	VERTICAL-PANEL 10
F411	X 62	14'-2"	▲	▲	VERTICAL-PANEL 11
F412	X 62	15'-3"	▲	▲	VERTICAL-PANEL 12
F413	X 62	16'-4"	▲	▲	VERTICAL-PANEL 13
F414	X 62	17'-6"	▲	▲	VERTICAL-PANEL 14
F415	X 62	18'-9"	▲	▲	VERTICAL-PANEL 15
F416	X 62	19'-11"	▲	▲	VERTICAL-PANEL 16
F417	X 62	20'-5"	▲	▲	VERTICAL-PANEL 17
F418	X 62	21'-4"	▲	▲	VERTICAL-PANEL 18
F419	X 62	21'-8"	▲	▲	VERTICAL-PANEL 19
F420	X 62	21'-11"	▲	▲	VERTICAL-PANEL 20
F421	X 62	22'-2"	▲	▲	VERTICAL-PANEL 21
F422	X 62	22'-6"	▲	▲	VERTICAL-PANEL 22
F423	X 62	22'-10"	▲	▲	VERTICAL-PANEL 23
F424	X 62	23'-2"	▲	▲	VERTICAL-PANEL 24
F425	X 62	23'-6"	▲	▲	VERTICAL-PANEL 25
F426	X 46	24'-0"	▲	▲	VERTICAL-PANEL 26
F427	X 62	15'-1"	▲	▲	VERTICAL-PANEL 27
F428	X 62	15'-4"	▲	▲	VERTICAL-PANEL 28
F429	X 46	19'-2"	▲	▲	VERTICAL-PANEL 29
F430	X 62	17'-8"	▲	▲	VERTICAL-PANEL 30
F431	X 62	15'-11"	▲	▲	VERTICAL-PANEL 31
F432	X 62	14'-3"	▲	▲	VERTICAL-PANEL 32
F433	X 62	12'-10"	▲	▲	VERTICAL-PANEL 33
F434	X 62	11'-7"	▲	▲	VERTICAL-PANEL 34
F435	X 62	10'-4"	▲	▲	VERTICAL-PANEL 35
F436	X 62	12'-4"	▲	▲	VERTICAL-PANEL 36

▲ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

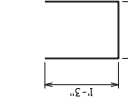
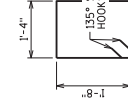
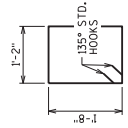
BAR SERIES TABLE

BAR MARK	NO. REOD.	LENGTH
F401	2 SERIES OF 31	1'-8" TO 3'-3"
F402	2 SERIES OF 31	3'-3" TO 5'-1"
F403	2 SERIES OF 31	5'-1" TO 6'-10"
F404	2 SERIES OF 31	6'-10" TO 8'-0"
F410	2 SERIES OF 31	12'-7" TO 13'-7"
F411	2 SERIES OF 31	13'-7" TO 14'-8"
F412	2 SERIES OF 31	14'-8" TO 15'-9"
F413	2 SERIES OF 31	15'-9" TO 16'-10"
F414	2 SERIES OF 31	16'-10" TO 18'-1"
F415	2 SERIES OF 31	18'-1" TO 19'-4"
F416	2 SERIES OF 31	19'-4" TO 20'-6"
F429	2 SERIES OF 31	18'-6" TO 19'-10"
F430	2 SERIES OF 31	16'-9" TO 18'-6"
F431	2 SERIES OF 31	15'-0" TO 16'-9"
F432	2 SERIES OF 31	13'-5" TO 15'-0"
F433	2 SERIES OF 31	12'-3" TO 13'-5"
F434	2 SERIES OF 31	10'-11" TO 12'-3"
F435	2 SERIES OF 31	9'-8" TO 10'-11"
F436	2 SERIES OF 31	11'-0" TO 13'-8"
F437	2 SERIES OF 31	7'-1" TO 11'-0"
F438	2 SERIES OF 23	4'-3" TO 7'-1"
F439	2 SERIES OF 18	3'-1" TO 4'-3"

BUNDLE AND TAG EACH SERIES SEPARATELY.

BILL OF BARS - COPING

BAR MARK	NO. REOD.	LENGTH	BENT	BAR SERIES	LOCATION
C401	X 289	6'-2"	X		COPING-VERT. STIRRUP - NO TIEBACKS
C402	X 674	6'-6"	X		COPING-VERT. STIRRUP - TIEBACKS
C403	X 89	29'-8"			COPING-HORIZ.
C404	X 7	22'-0"			COPING-HORIZ. - PANEL 26
C405	X 14	30'-1"			COPING-HORIZ. - PANEL 27, 28
C406	X 7	22'-2"			COPING-HORIZ. - PANEL 38
C407	X 7	16'-5"			COPING-HORIZ. - PANEL 39
C408	X 17	3'-0"	X		VERTICAL COPING-HORIZ. U-BAR
C409	X 2	10'-7"			COPING-VERT.
C410	X 2	5'-1"			COPING-VERT.



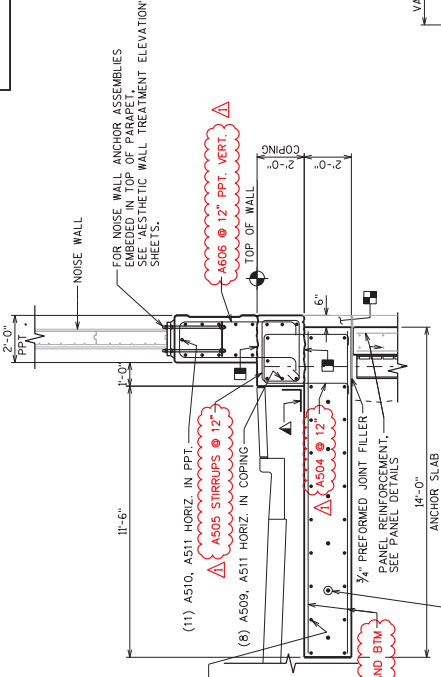
Addendum No. 03
ID 1060-33-84
Revised Sheet 2358
September 24, 2020

9/23/20

9/18/20 COPING BAR LOCATION CAD
 NO. DATE REVISION BY
 STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION
 STRUCTURES DESIGN SECTION
 STRUCTURE R-40-576
 DESIGNED BY: WWR
 CHECKED BY: CAD
 WALL FACING & COPING
 BILL OF BARS
 SHEET 18
 2358

STATE PROJECT NUMBER
1060-33-84

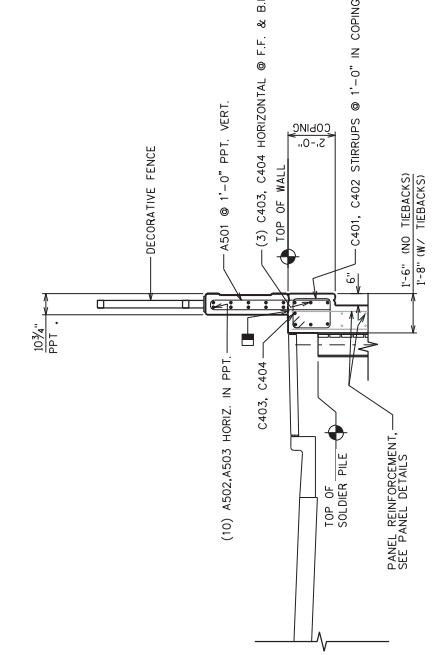
Addendum No. 03
ID 1060-33-84
Revised Sheet 2359
September 24, 2020



REINFORCEMENT SECTION AT NOISE WALL ANCHOR SLAB
STA 18+33.19 TO STA 20+35.59

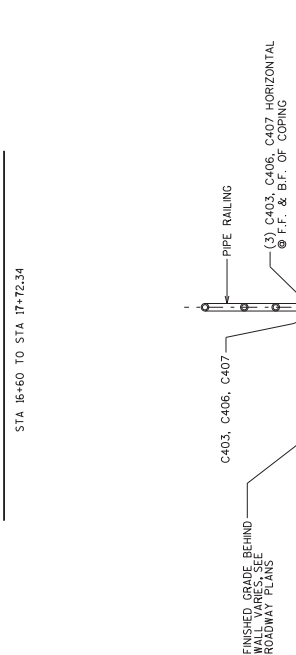
(10) A502, A503 HORIZ. IN PPT.
(20) A508, A511, OR A512 HORIZ. IN ANCHOR SLAB
(10) TOP & BTM.

REINFORCEMENT SECTION AT PARAPET
STA 18+60 TO STA 17+72.34



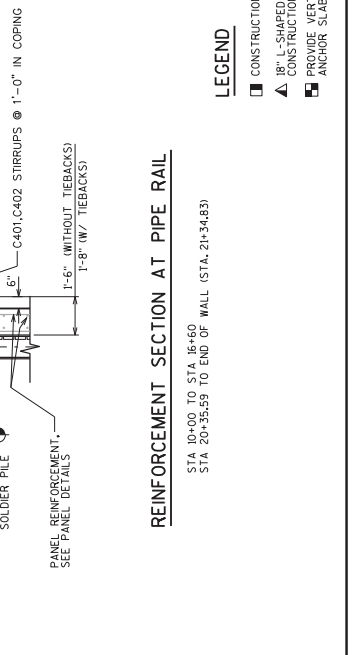
(10) A502, A503 HORIZ. IN PPT.
(20) A508, A511, OR A512 HORIZ. IN ANCHOR SLAB
(10) TOP & BTM.

REINFORCEMENT SECTION AT BRIDGE ABUTMENT
STA 17+72.34 TO STA 18+33.19



REINFORCEMENT SECTION AT BRIDGE ABUTMENT
STA 17+72.34 TO STA 18+33.19

(10) A502, A503 HORIZ. IN PPT.
(20) A508, A511, OR A512 HORIZ. IN ANCHOR SLAB
(10) TOP & BTM.



TYPICAL 42-INCH VERT. FACE PARAPET

(10) A502, A503 HORIZ. IN PPT.
(20) A508, A511, OR A512 HORIZ. IN ANCHOR SLAB
(10) TOP & BTM.

REINFORCEMENT SECTION AT PIPE RAIL
STA 18+00 TO STA 18+60
STA 20+35.59 TO END OF WALL (STA. 21+34.83)

REINFORCEMENT SECTION AT BRIDGE ABUTMENT
STA 17+72.34 TO STA 18+33.19

REINFORCEMENT SECTION AT NOISE WALL ANCHOR SLAB
STA 18+33.19 TO STA 20+35.59

LEGEND

- ▣ CONSTRUCTION JOINT, STRIKE OFF AS SHOWN AND LEAVE ROUGH.
- ▲ 18" L-SHAPED RUBBERIZED MEMBRANE WATERPROOFING ALONG HORIZONTAL CONSTRUCTION JOINT.
- PROVIDE VERTICAL COPING (1'-0" W. X 6'-0" H. X 24" H) ON FRONT FACE OF ANCHOR SLAB TO MATCH VERTICAL COPING IN FACING PANEL #29 BELOW.

9/18/20	ANCHOR SLAB BAR SPACING	CAD
DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION		
STRUCTURE B-40-576		
BRN	FRS	CAD
BRN	WWR	CHKD.
TOP OF WALL DETAILS		
SHEET 19		
2359		

9/23/20

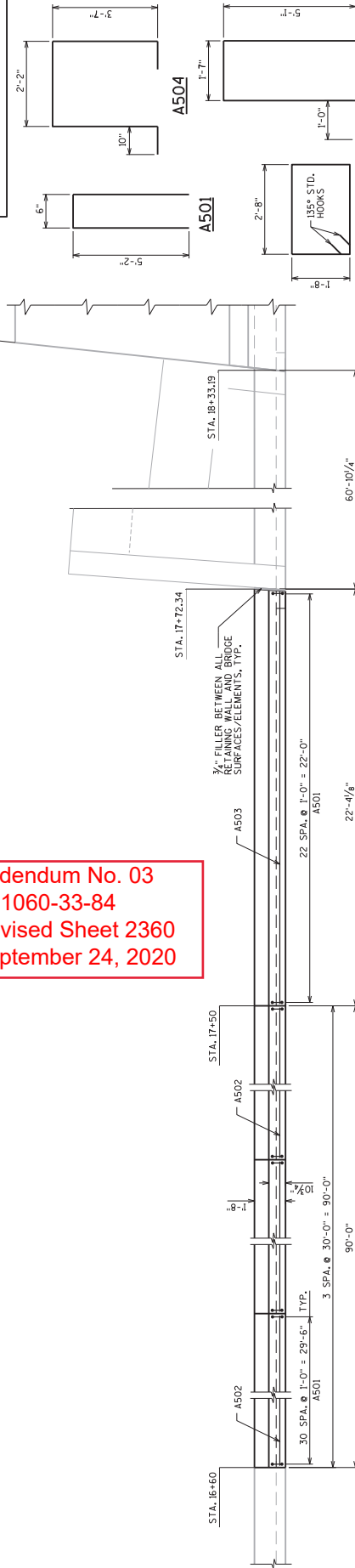
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8

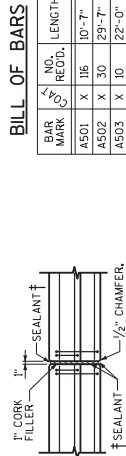
STATE PROJECT NUMBER
1060+33-84

STA. 17+72.34
MATCH LINE A

**Addendum No. 03
ID 1060-33-84
Revised Sheet 2360
September 24, 2020**



PARTIAL PLAN



BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	NO. REQ'D.	LENGTH	BENT SERIES	LOCATION
A501	106	10'-7"	X	COPING/PARAPET-VERT.
A502	30	29'-7"		PARAPET-HORIZ.
A503	10	22'-0"		PARAPET-HORIZ.
A504	209	10'-6"	X	ANCHOR SLAB/CURB-VERT.
A505	209	9'-4"	X	CURB-VERT.
A506	209	13'-1"	X	CURB/PARAPET-VERT.
A607	418	13'-8"		ANCHOR SLAB-HORIZ.-TRANS.
A508	20	21'-4"	▲	ANCHOR SLAB-HORIZ.-LONGIT. (PANEL 29)
A509	8	21'-9"		CURB-HORIZ.-LONGIT. (PANEL 29)
A510	11	21'-11"		PARAPET-HORIZ.-LONGIT. (PANEL 29)
A511	174	29'-7"		ANCHOR SLAB, CURB, PPT.-HORIZ.
A512	60	28'-11"	▲	ANCHOR SLAB-HORIZ. AT CURVE

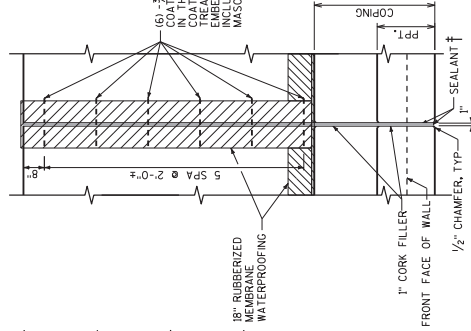
▲ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

66.74" DIAMETER x 1'-6" SMOOTH EPOXY COATED DOMELS PLACED AT MID-DEPTH OF JOINTS. ALL DOMELS SHALL BE TREATMENT OVER 1/2" THE DOMEL LENGTH. ALL DOMELS SHALL BE INCLUDED IN THE BID ITEM "CONCRETE MASONRY RETAINING WALLS".

† 1" CORK FILLER WITH NON-BITUMINOUS JOINT SEALER, COLOR TO MATCH CONCRETE STAIN. (1" DEEP AND 1/8" BELOW SURFACE OF PRECAST CONCRETE) FILLER OR CORK FILLER.

PARAPET EXPANSION JOINT

NO NOT RUN BARS THRU JOINT. NO NOT RUN BARS THRU ANCHOR SLAB JOINTS. CONTRACTION AND EXPANSION JOINTS.

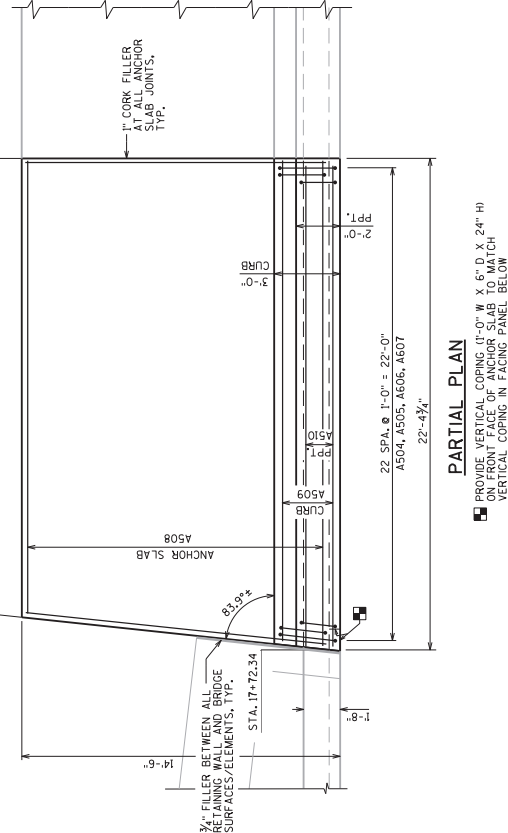


ANCHOR SLAB EXPANSION JOINT (PLAN VIEW)

DO NOT RUN BAR STEEL THRU JOINT EXCEPT FOR DOMEL BARS AS SHOWN. LOCATED AT ALL WALL FACING CONTRACTION AND EXPANSION JOINTS.

STA. 17+84.74
MATCH LINE B

STA. 17+72.34
MATCH LINE A



PARTIAL PLAN

PROVIDE VERTICAL COPING (1'-0" W X 6" D X 24" H) ON FRONT FACE OF ANCHOR PANEL. VERTICAL COPING IN FACING PANEL BELOW

BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
A508	2	20'-7" TO 22'-0"
A508	6	28'-3" TO 29'-7"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY
1	9/23/20		CAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-40-576

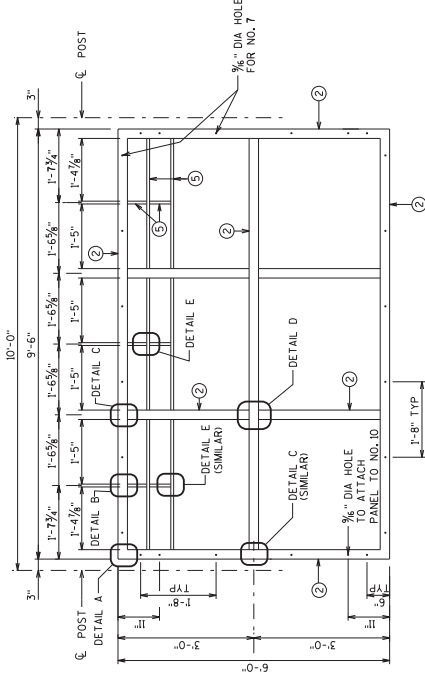
PREPARED BY	DESIGNED BY	CHECKED BY

PARAPET AND ANCHOR SLAB DETAILS 1

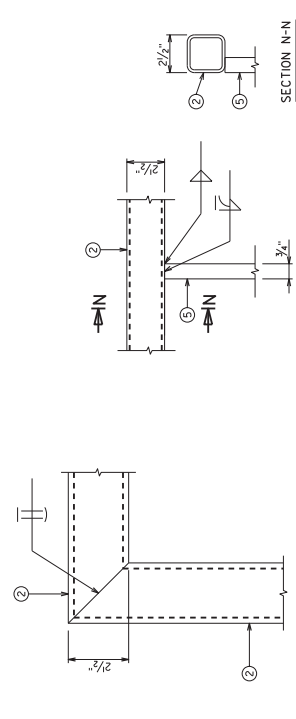
9/23/20

[Signature]

SHEET 20
2360



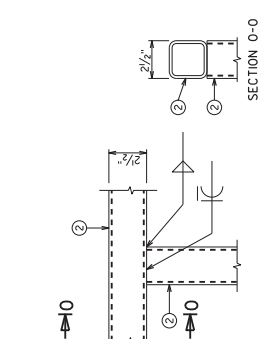
DECORATIVE FENCE BRIDGE PANEL
TYPICAL 10' PANEL SHOWN



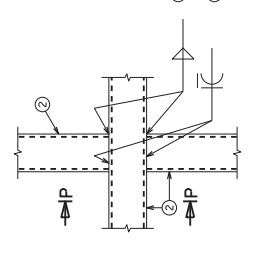
DETAIL A

DETAIL B

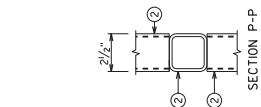
SECTION N-N



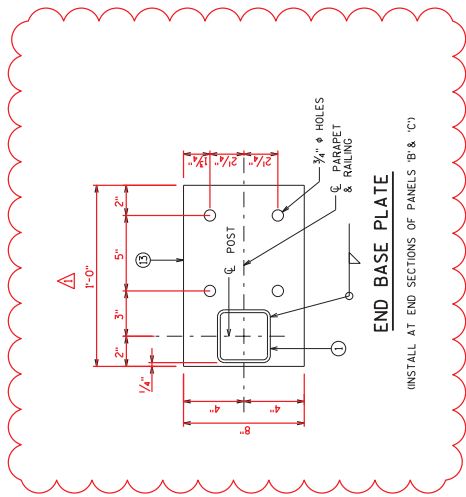
DETAIL C



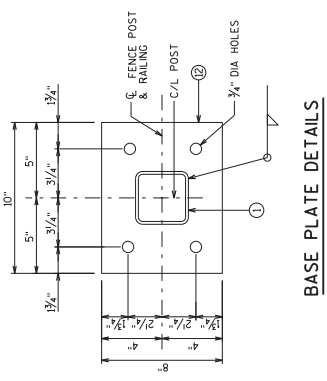
DETAIL D



SECTION P-P



END BASE PLATE
(INSTALL AT END SECTIONS OF PANELS 'B' & 'C')



BASE PLATE DETAILS

Addendum No. 03
ID 1060-33-84
Revised Sheet 2367
September 24, 2020

NOTES

FOR NOTES AND LEGEND, SEE FENCE DECORATIVE WALL '1' OF '3' SHEET.
DETAILS SHOWN ARE TYPICAL FOR ALL FENCE PANELS.

NO.	DATE	REVISION	BY
1	9/28/20	END BASE PLATE DIMS.	CAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION
STRUCTURE R-40-576

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]

[Signature]
9/23/20

FENCE WALL
(3 OF 3)

SHEET 27
2367



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0105 Clearing	139.000 STA	_____.	_____.
0004	201.0120 Clearing	909.000 ID	_____.	_____.
0006	201.0205 Grubbing	140.000 STA	_____.	_____.
0008	201.0220 Grubbing	909.000 ID	_____.	_____.
0010	203.0200 Removing Old Structure (station) 0001. STA. 123+50	LS	LUMP SUM	_____.
0012	203.0200 Removing Old Structure (station) 0002. STA 433NS+99.67	LS	LUMP SUM	_____.
0014	203.0200 Removing Old Structure (station) 0003. STA 621NSNB+00.00	LS	LUMP SUM	_____.
0016	203.0200 Removing Old Structure (station) 0004. STA. 417NS+50	LS	LUMP SUM	_____.
0018	203.0200 Removing Old Structure (station) 0005. STA. 418NS+15	LS	LUMP SUM	_____.
0020	203.0200 Removing Old Structure (station) 0006. STA. 22RDE+37	LS	LUMP SUM	_____.
0022	203.0200 Removing Old Structure (station) 0007. STA. 20+07.0	LS	LUMP SUM	_____.
0024	203.0200 Removing Old Structure (station) 0008. STA. 15TRDE+54	LS	LUMP SUM	_____.
0026	203.0200 Removing Old Structure (station) 0009. STA. 114NO+00	LS	LUMP SUM	_____.
0028	203.0210.S Abatement of Asbestos Containing Material (structure) 0001. B-40-137	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
 Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0030	203.0210.S Abatement of Asbestos Containing Material (structure) 0004. B-40-259	LS	LUMP SUM	_____.
0032	203.0225.S Debris Containment (structure) 0001. B-40-138	LS	LUMP SUM	_____.
0034	203.0225.S Debris Containment (structure) 0002. B-40-875	LS	LUMP SUM	_____.
0036	203.0225.S Debris Containment (structure) 0003. B-40-876	LS	LUMP SUM	_____.
0038	203.0225.S Debris Containment (structure) 0004. B-40-877	LS	LUMP SUM	_____.
0040	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 0001. STA 408+50NS	LS	LUMP SUM	_____.
0042	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 0002. STA. 220+00NSSB	LS	LUMP SUM	_____.
0044	204.0100 Removing Concrete Pavement	175,089.000 SY	_____.	_____.
0046	204.0110 Removing Asphaltic Surface	14,141.000 SY	_____.	_____.
0048	204.0120 Removing Asphaltic Surface Milling	199,191.000 SY	_____.	_____.
0050	204.0140 Removing Gutter	200.000 LF	_____.	_____.
0052	204.0150 Removing Curb & Gutter	7,571.000 LF	_____.	_____.
0054	204.0155 Removing Concrete Sidewalk	4,828.000 SY	_____.	_____.
0056	204.0157 Removing Concrete Barrier	18,542.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0058	204.0165 Removing Guardrail	1,240.000 LF	_____.	_____.
0060	204.0170 Removing Fence	12,190.000 LF	_____.	_____.
0062	204.0175 Removing Concrete Slope Paving	463.000 SY	_____.	_____.
0064	204.0195 Removing Concrete Bases	160.000 EACH	_____.	_____.
0066	204.0210 Removing Manholes	72.000 EACH	_____.	_____.
0068	204.0220 Removing Inlets	339.000 EACH	_____.	_____.
0070	204.0245 Removing Storm Sewer (size) 0001. 12-Inch	12,262.000 LF	_____.	_____.
0072	204.0245 Removing Storm Sewer (size) 0002. 15-Inch	3,167.000 LF	_____.	_____.
0074	204.0245 Removing Storm Sewer (size) 0003. 18-Inch	1,163.000 LF	_____.	_____.
0076	204.0245 Removing Storm Sewer (size) 0004. 21-Inch	557.000 LF	_____.	_____.
0078	204.0245 Removing Storm Sewer (size) 0005. 24-Inch	2,066.000 LF	_____.	_____.
0080	204.0245 Removing Storm Sewer (size) 0006. 27-Inch	147.000 LF	_____.	_____.
0082	204.0245 Removing Storm Sewer (size) 0007. 30-Inch	822.000 LF	_____.	_____.
0084	204.0245 Removing Storm Sewer (size) 0008. 36-Inch	662.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0086	204.0245 Removing Storm Sewer (size) 0009. 54-Inch	33.000 LF	_____.	_____.
0088	204.0245 Removing Storm Sewer (size) 0010. 72-Inch	16.000 LF	_____.	_____.
0090	204.0245 Removing Storm Sewer (size) 0011. 19x30-Inch	3.000 LF	_____.	_____.
0092	204.0280 Sealing Pipes	29.000 EACH	_____.	_____.
0094	204.0291.S Abandoning Sewer	397.000 CY	_____.	_____.
0096	204.9001.S Removing Advance Flasher Assemblies Type 1	6.000 EACH	_____.	_____.
0098	204.9060.S Removing (item description) 0002. Removing Apron Endwall	3.000 EACH	_____.	_____.
0100	204.9060.S Removing (item description) 1001. Removing Distribution Center	5.000 EACH	_____.	_____.
0102	204.9060.S Removing (item description) 1002. Removing Lighting Units	158.000 EACH	_____.	_____.
0104	204.9060.S Removing (item description) 1003. Removing Sign Lighting	7.000 EACH	_____.	_____.
0106	204.9060.S Removing (item description) 1004. Removing Poles Wood 60-FT	8.000 EACH	_____.	_____.
0108	204.9060.S Removing (item description) 1005. Removing Poles Wood 60-FT and Floodlight	55.000 EACH	_____.	_____.
0110	204.9060.S Removing (item description) 1006. Removing Poles Wood 35-FT	2.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0112	204.9060.S Removing (item description) 1007. Removing Poles Wood 35-FT and Floodlight	3.000 EACH	_____.	_____.
0114	204.9060.S Removing (item description) 1008. Removing Underdeck Lighting	5.000 EACH	_____.	_____.
0116	204.9060.S Removing (item description) 1009. Removing Luminaries Underdeck Lighting	4.000 EACH	_____.	_____.
0118	204.9090.S Removing (item description) 0005. Removing Temporary Precast Trench Drain	2,355.000 LF	_____.	_____.
0120	204.9090.S Removing (item description) 0006. Removing Drain Slotted Vane	678.000 LF	_____.	_____.
0122	204.9090.S Removing (item description) 0100. Removing Sheet Pile Shoring	400.000 LF	_____.	_____.
0124	204.9105.S Removing (item description) 3001. Temporary Traffic Signal IH 41 SB on Ramp & W. North Avenue	LS	LUMP SUM	_____.
0126	204.9105.S Removing (item description) 3002. Temporary Traffic Signals IH 41 NB on Ramp & W. North Avenue	LS	LUMP SUM	_____.
0128	204.9105.S Removing (item description) 3101. Traffic Signals W. North Avenue & N. 116th Street	LS	LUMP SUM	_____.
0130	205.0100 Excavation Common	411,558.000 CY	_____.	_____.
0132	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	11,992.000 TON	_____.	_____.
0134	206.1000 Excavation for Structures Bridges (structure) 0001. B-40-138	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0136	206.1000 Excavation for Structures Bridges (structure) 0002. B-40-792	LS	LUMP SUM	_____.
0138	206.1000 Excavation for Structures Bridges (structure) 0003. B-40-793	LS	LUMP SUM	_____.
0140	206.1000 Excavation for Structures Bridges (structure) 0004. B-40-794	LS	LUMP SUM	_____.
0142	206.1000 Excavation for Structures Bridges (structure) 0005. B-40-875	LS	LUMP SUM	_____.
0144	206.1000 Excavation for Structures Bridges (structure) 0006. B-40-876	LS	LUMP SUM	_____.
0146	206.1000 Excavation for Structures Bridges (structure) 0007. B-40-877	LS	LUMP SUM	_____.
0148	206.1000 Excavation for Structures Bridges (structure) 0008. B-40-878	LS	LUMP SUM	_____.
0150	206.1000 Excavation for Structures Bridges (structure) 0009. B-40-879	LS	LUMP SUM	_____.
0152	206.3000 Excavation for Structures Retaining Walls (structure) 0001. R-40-567	LS	LUMP SUM	_____.
0154	206.3000 Excavation for Structures Retaining Walls (structure) 0003. R-40-569	LS	LUMP SUM	_____.
0156	206.3000 Excavation for Structures Retaining Walls (structure) 0005. R-40-622	LS	LUMP SUM	_____.
0158	206.3000 Excavation for Structures Retaining Walls (structure) 0006. R-40-573	LS	LUMP SUM	_____.
0160	206.3000 Excavation for Structures Retaining Walls (structure) 0007. R-40-576	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
 Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0162	206.3000 Excavation for Structures Retaining Walls (structure) 0008. R-40-561	LS	LUMP SUM	_____.
0164	206.3000 Excavation for Structures Retaining Walls (structure) 0009. R-40-564	LS	LUMP SUM	_____.
0166	209.1100 Backfill Granular Grade 1	11,768.000 CY	_____.	_____.
0168	210.1100 Backfill Structure Type A	95.000 CY	_____.	_____.
0170	210.1500 Backfill Structure Type A	18,214.000 TON	_____.	_____.
0172	213.0100 Finishing Roadway (project) 0001. 1060-33-84	1.000 EACH	_____.	_____.
0174	305.0120 Base Aggregate Dense 1 1/4-Inch	139,850.000 TON	_____.	_____.
0176	310.0110 Base Aggregate Open-Graded	1,140.000 TON	_____.	_____.
0178	312.0110 Select Crushed Material	238,376.000 TON	_____.	_____.
0180	320.0155 Concrete Base 9-Inch	710.000 SY	_____.	_____.
0182	390.0403 Base Patching Concrete Shes	3,900.000 SY	_____.	_____.
0184	415.0410 Concrete Pavement Approach Slab	2,056.000 SY	_____.	_____.
0186	415.1410 Concrete Pavement Approach Slab HES	55.000 SY	_____.	_____.
0188	415.5110.S Concrete Pavement Joint Layout	1.000 LS	_____.	_____.
0190	416.0270 Concrete Driveway HES 7-Inch	1,357.000 SY	_____.	_____.
0192	416.0610 Drilled Tie Bars	2,982.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0194	416.0620 Drilled Dowel Bars	8,349.000 EACH	_____.	_____.
0196	416.1715 Concrete Pavement Repair SHES	2,080.000 SY	_____.	_____.
0198	416.1725 Concrete Pavement Replacement SHES	3,300.000 SY	_____.	_____.
0200	455.0605 Tack Coat	15,347.000 GAL	_____.	_____.
0202	460.2000 Incentive Density HMA Pavement	14,208.000 DOL	1.00000	14,208.00
0204	460.5223 HMA Pavement 3 LT 58-28 S	1,120.000 TON	_____.	_____.
0206	460.5224 HMA Pavement 4 LT 58-28 S	1,438.000 TON	_____.	_____.
0208	460.5225 HMA Pavement 5 LT 58-28 S	107.000 TON	_____.	_____.
0210	460.6223 HMA Pavement 3 MT 58-28 S	6,294.000 TON	_____.	_____.
0212	460.6224 HMA Pavement 4 MT 58-28 S	11,031.000 TON	_____.	_____.
0214	460.7424 HMA Pavement 4 HT 58-28 H	3,592.000 TON	_____.	_____.
0216	465.0120 Asphaltic Surface Driveways and Field Entrances	1,211.000 TON	_____.	_____.
0218	465.0125 Asphaltic Surface Temporary	26,041.000 TON	_____.	_____.
0220	495.1000.S Cold patch	50.000 TON	_____.	_____.
0222	501.1000.S Ice Hot Weather Concreting	120,021.000 LB	_____.	_____.
0224	502.0100 Concrete Masonry Bridges	8,215.000 CY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76

Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0226	502.0110.S Concrete Masonry Soldier Pile Footings	1,702.000 CY	_____.	_____.
0228	502.3101 Expansion Device	332.000 LF	_____.	_____.
0230	502.3111.S Expansion Device Modular	54.000 LF	_____.	_____.
0232	502.3200 Protective Surface Treatment	4,653.000 SY	_____.	_____.
0234	502.3210 Pigmented Surface Sealer	4,264.000 SY	_____.	_____.
0236	502.4205 Adhesive Anchors No. 5 Bar	1,073.000 EACH	_____.	_____.
0238	502.4207 Adhesive Anchors No. 7 Bar	136.000 EACH	_____.	_____.
0240	503.0137 Prestressed Girder Type I 36W-Inch	11,675.000 LF	_____.	_____.
0242	503.0155 Prestressed Girder Type I 54W-Inch	15,942.000 LF	_____.	_____.
0244	504.0500 Concrete Masonry Retaining Walls	5,891.000 CY	_____.	_____.
0246	505.0400 Bar Steel Reinforcement HS Structures	1,991,815.000 LB	_____.	_____.
0248	505.0600 Bar Steel Reinforcement HS Coated Structures	3,445,605.000 LB	_____.	_____.
0250	505.0800.S Bar Steel Reinforcement HS Stainless Structures	12,204.000 LB	_____.	_____.
0252	505.0904 Bar Couplers No. 4	39.000 EACH	_____.	_____.
0254	505.0905 Bar Couplers No. 5	120.000 EACH	_____.	_____.
0256	505.0906 Bar Couplers No. 6	8.000 EACH	_____.	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0258	505.0908 Bar Couplers No. 8	24.000 EACH	_____.	_____.
0260	505.0910 Bar Couplers No. 10	126.000 EACH	_____.	_____.
0262	505.0911 Bar Couplers No. 11	550.000 EACH	_____.	_____.
0264	506.0105 Structural Steel Carbon	25,381.000 LB	_____.	_____.
0266	506.0605 Structural Steel HS	4,902,267.000 LB	_____.	_____.
0268	506.2605 Bearing Pads Elastomeric Non-Laminated	392.000 EACH	_____.	_____.
0270	506.2610 Bearing Pads Elastomeric Laminated	112.000 EACH	_____.	_____.
0272	506.3004 Welded Stud Shear Connectors 3/4x4-Inch	176.000 EACH	_____.	_____.
0274	506.3010 Welded Stud Shear Connectors 7/8x5-Inch	13,093.000 EACH	_____.	_____.
0276	506.3020 Welded Stud Shear Connectors 7/8x7-Inch	6,720.000 EACH	_____.	_____.
0278	506.4000 Steel Diaphragms (structure) 0002. B-40-792	9.000 EACH	_____.	_____.
0280	506.4000 Steel Diaphragms (structure) 0003. B-40-793	21.000 EACH	_____.	_____.
0282	506.4000 Steel Diaphragms (structure) 0004. B-40-794	24.000 EACH	_____.	_____.
0284	506.4000 Steel Diaphragms (structure) 0005. B-40-875	192.000 EACH	_____.	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0286	506.4000 Steel Diaphragms (structure) 0006. B-40-876	192.000 EACH	_____.	_____.
0288	506.4000 Steel Diaphragms (structure) 0007. B-40-138	28.000 EACH	_____.	_____.
0290	506.4000 Steel Diaphragms (structure) 0009. B-40-879	30.000 EACH	_____.	_____.
0292	506.5000 Bearing Assemblies Fixed (structure) 0001. B-40-138	8.000 EACH	_____.	_____.
0294	506.5000 Bearing Assemblies Fixed (structure) 0007. B-40-877	8.000 EACH	_____.	_____.
0296	506.6000 Bearing Assemblies Expansion (structure) 0005. B-40-875	26.000 EACH	_____.	_____.
0298	506.6000 Bearing Assemblies Expansion (structure) 0006. B-40-876	26.000 EACH	_____.	_____.
0300	506.6000 Bearing Assemblies Expansion (structure) 0007. B-40-877	8.000 EACH	_____.	_____.
0302	509.0301 Preparation Decks Type 1	4.000 SY	_____.	_____.
0304	509.0310.S Sawing Pavement Deck Preparation Areas	40.000 LF	_____.	_____.
0306	509.1500 Concrete Surface Repair	231.000 SF	_____.	_____.
0308	509.5100.S Polymer Overlay	78,923.000 SY	_____.	_____.
0310	511.1100 Temporary Shoring	10,580.000 SF	_____.	_____.
0312	511.1200 Temporary Shoring (structure) 0001. B-40-138	1,125.000 SF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0314	511.1200 Temporary Shoring (structure) 0002. B-40-879	1,126.000 SF	_____.	_____.
0316	511.1200 Temporary Shoring (structure) 0003. B-40-878	2,433.000 SF	_____.	_____.
0318	511.1200 Temporary Shoring (structure) 0005. B-40-875	2,360.000 SF	_____.	_____.
0320	511.1200 Temporary Shoring (structure) 0006. B-40-876	2,095.000 SF	_____.	_____.
0322	511.1200 Temporary Shoring (structure) 0020. R-40-622	3,350.000 SF	_____.	_____.
0324	511.1200 Temporary Shoring (structure) 0022. R-40-569	680.000 SF	_____.	_____.
0326	511.1200 Temporary Shoring (structure) 0024. R-40-570	1,220.000 SF	_____.	_____.
0328	511.1200 Temporary Shoring (structure) 0030. S-40-442	1,150.000 SF	_____.	_____.
0330	511.1300 Temporary Shoring (location) 0001. Sta. 413NS+91 to 416NS+89	7,419.000 SF	_____.	_____.
0332	511.1300 Temporary Shoring (location) 0002. Sta. 414NS+11 to 414NS+41	690.000 SF	_____.	_____.
0334	511.1300 Temporary Shoring (location) 0003. Sta. 414NS+20 to 416NS+94	6,802.000 SF	_____.	_____.
0336	513.2001 Railing Pipe	1,838.000 LF	_____.	_____.
0338	514.0450 Floor Drains Type WF	9.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0340	514.1000 Railroad Deck Drains System (railroad structure) 0001. B-40-878	LS	LUMP SUM	_____.
0342	514.2608 Downspout 8-Inch	382.000 LF	_____.	_____.
0344	514.2625 Downspout 6-Inch	46.000 LF	_____.	_____.
0346	516.0500 Rubberized Membrane Waterproofing	989.000 SY	_____.	_____.
0348	517.0600 Painting Epoxy System (structure) 0001. B-40-877	LS	LUMP SUM	_____.
0350	517.0600 Painting Epoxy System (structure) 0007. B-40-878	LS	LUMP SUM	_____.
0352	517.0600 Painting Epoxy System (structure) 0014. R-40-569	LS	LUMP SUM	_____.
0354	517.0600 Painting Epoxy System (structure) 0017. R-40-573	LS	LUMP SUM	_____.
0356	517.0600 Painting Epoxy System (structure) 0018. R-40-576	LS	LUMP SUM	_____.
0358	517.1010.S Concrete Staining (structure) 0001. B-40-792	4,290.000 SF	_____.	_____.
0360	517.1010.S Concrete Staining (structure) 0002. B-40-793	3,159.000 SF	_____.	_____.
0362	517.1010.S Concrete Staining (structure) 0003. B-40-794	5,144.000 SF	_____.	_____.
0364	517.1010.S Concrete Staining (structure) 0004. B-40-875	28,971.000 SF	_____.	_____.
0366	517.1010.S Concrete Staining (structure) 0005. B-40-876	27,303.000 SF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0368	517.1010.S Concrete Staining (structure) 0006. B-40-877	11,920.000 SF	_____.	_____.
0370	517.1010.S Concrete Staining (structure) 0007. B-40-878	10,365.000 SF	_____.	_____.
0372	517.1010.S Concrete Staining (structure) 0008. B-40-879	14,313.000 SF	_____.	_____.
0374	517.1010.S Concrete Staining (structure) 0016. R-40-561	6,000.000 SF	_____.	_____.
0376	517.1010.S Concrete Staining (structure) 0017. R-40-564	3,740.000 SF	_____.	_____.
0378	517.1010.S Concrete Staining (structure) 0018. R-40-567	30,560.000 SF	_____.	_____.
0380	517.1010.S Concrete Staining (structure) 0019. R-40-568	1,044.000 SF	_____.	_____.
0382	517.1010.S Concrete Staining (structure) 0020. R-40-569	4,355.000 SF	_____.	_____.
0384	517.1010.S Concrete Staining (structure) 0021. R-40-570	10,490.000 SF	_____.	_____.
0386	517.1010.S Concrete Staining (structure) 0022. R-40-572	1,450.000 SF	_____.	_____.
0388	517.1010.S Concrete Staining (structure) 0023. R-40-573	34,045.000 SF	_____.	_____.
0390	517.1010.S Concrete Staining (structure) 0024. R-40-576	18,565.000 SF	_____.	_____.
0392	517.1010.S Concrete Staining (structure) 0025. R-40-622	2,690.000 SF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0394	517.1010.S Concrete Staining (structure) 0026. R-40-632	2,102.000 SF	_____.	_____.
0396	517.1010.S Concrete Staining (structure) 0027. R-40-635	4,495.000 SF	_____.	_____.
0398	517.1010.S Concrete Staining (structure) 0030. S-40-67	900.000 SF	_____.	_____.
0400	517.1010.S Concrete Staining (structure) 0031. S-40-69	388.000 SF	_____.	_____.
0402	517.1010.S Concrete Staining (structure) 0032. S-40-70	882.000 SF	_____.	_____.
0404	517.1010.S Concrete Staining (structure) 0033. S-40-71	360.000 SF	_____.	_____.
0406	517.1010.S Concrete Staining (structure) 0034. S-40-73	360.000 SF	_____.	_____.
0408	517.1010.S Concrete Staining (structure) 0035. S-40-75	375.000 SF	_____.	_____.
0410	517.1010.S Concrete Staining (structure) 0036. S-40-77	360.000 SF	_____.	_____.
0412	517.1010.S Concrete Staining (structure) 0037. S-40-145	388.000 SF	_____.	_____.
0414	517.1010.S Concrete Staining (structure) 0038. S-40-442	910.000 SF	_____.	_____.
0416	517.1010.S Concrete Staining (structure) 0039. S-40-783	280.000 SF	_____.	_____.
0418	517.1010.S Concrete Staining (structure) 0040. S-40-784	285.000 SF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0420	517.1010.S Concrete Staining (structure) 0041. S-40-785	266.000 SF	_____.	_____.
0422	517.1010.S Concrete Staining (structure) 0042. S-40-786	266.000 SF	_____.	_____.
0424	517.1010.S Concrete Staining (structure) 0043. S-40-967	752.000 SF	_____.	_____.
0426	517.1015.S Concrete Staining Multi-Color (structure) 0001. B-40-792	440.000 SF	_____.	_____.
0428	517.1015.S Concrete Staining Multi-Color (structure) 0002. B-40-793	619.000 SF	_____.	_____.
0430	517.1015.S Concrete Staining Multi-Color (structure) 0003. B-40-794	619.000 SF	_____.	_____.
0432	517.1015.S Concrete Staining Multi-Color (structure) 0004. B-40-875	3,372.000 SF	_____.	_____.
0434	517.1015.S Concrete Staining Multi-Color (structure) 0005. B-40-876	3,639.000 SF	_____.	_____.
0436	517.1015.S Concrete Staining Multi-Color (structure) 0006. B-40-877	920.000 SF	_____.	_____.
0438	517.1015.S Concrete Staining Multi-Color (structure) 0010. R-40-561	4,360.000 SF	_____.	_____.
0440	517.1015.S Concrete Staining Multi-Color (structure) 0011. R-40-564	2,175.000 SF	_____.	_____.
0442	517.1015.S Concrete Staining Multi-Color (structure) 0013. R-40-568	615.000 SF	_____.	_____.
0444	517.1015.S Concrete Staining Multi-Color (structure) 0014. R-40-569	4,145.000 SF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0446	517.1015.S Concrete Staining Multi-Color (structure) 0015. R-40-570	5,905.000 SF	_____.	_____.
0448	517.1015.S Concrete Staining Multi-Color (structure) 0016. R-40-572	560.000 SF	_____.	_____.
0450	517.1015.S Concrete Staining Multi-Color (structure) 0017. R-40-632	1,102.000 SF	_____.	_____.
0452	517.1050.S Architectural Surface Treatment (structure) 0001. B-40-792	440.000 SF	_____.	_____.
0454	517.1050.S Architectural Surface Treatment (structure) 0002. B-40-793	619.000 SF	_____.	_____.
0456	517.1050.S Architectural Surface Treatment (structure) 0003. B-40-794	619.000 SF	_____.	_____.
0458	517.1050.S Architectural Surface Treatment (structure) 0004. B-40-875	3,372.000 SF	_____.	_____.
0460	517.1050.S Architectural Surface Treatment (structure) 0005. B-40-876	3,639.000 SF	_____.	_____.
0462	517.1050.S Architectural Surface Treatment (structure) 0006. B-40-877	920.000 SF	_____.	_____.
0464	517.1050.S Architectural Surface Treatment (structure) 0007. B-40-878	8,786.000 SF	_____.	_____.
0466	517.1050.S Architectural Surface Treatment (structure) 0016. R-40-561	4,360.000 SF	_____.	_____.
0468	517.1050.S Architectural Surface Treatment (structure) 0017. R-40-564	2,175.000 SF	_____.	_____.
0470	517.1050.S Architectural Surface Treatment (structure) 0018. R-40-567	22,850.000 SF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0472	517.1050.S Architectural Surface Treatment (structure) 0019. R-40-568	615.000 SF	_____.	_____.
0474	517.1050.S Architectural Surface Treatment (structure) 0020. R-40-569	4,145.000 SF	_____.	_____.
0476	517.1050.S Architectural Surface Treatment (structure) 0021. R-40-570	5,905.000 SF	_____.	_____.
0478	517.1050.S Architectural Surface Treatment (structure) 0022. R-40-572	560.000 SF	_____.	_____.
0480	517.1050.S Architectural Surface Treatment (structure) 0023. R-40-573	23,715.000 SF	_____.	_____.
0482	517.1050.S Architectural Surface Treatment (structure) 0024. R-40-576	15,225.000 SF	_____.	_____.
0484	517.1050.S Architectural Surface Treatment (structure) 0025. R-40-622	3,340.000 SF	_____.	_____.
0486	517.1050.S Architectural Surface Treatment (structure) 0026. R-40-632	1,102.000 SF	_____.	_____.
0488	517.1050.S Architectural Surface Treatment (structure) 0027. R-40-635	1,685.000 SF	_____.	_____.
0490	520.8000 Concrete Collars for Pipe	139.000 EACH	_____.	_____.
0492	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	1.000 EACH	_____.	_____.
0494	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	2.000 EACH	_____.	_____.
0496	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	7.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0498	522.2619 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	1.000 EACH	_____.	_____.
0500	531.0300.S Noise Barriers Double-Sided Sound Absorptive (structure) 0001. N-40-82	15,960.000 SF	_____.	_____.
0502	531.0300.S Noise Barriers Double-Sided Sound Absorptive (structure) 0002. N-40-83	22,555.000 SF	_____.	_____.
0504	531.0300.S Noise Barriers Double-Sided Sound Absorptive (structure) 0003. N-40-84	25,530.000 SF	_____.	_____.
0506	531.0300.S Noise Barriers Double-Sided Sound Absorptive (structure) 0004. N-40-85	12,295.000 SF	_____.	_____.
0508	531.0300.S Noise Barriers Double-Sided Sound Absorptive (structure) 0005. N-40-86	6,295.000 SF	_____.	_____.
0510	531.0300.S Noise Barriers Double-Sided Sound Absorptive (structure) 0006. N-40-87	27,125.000 SF	_____.	_____.
0512	550.0010 Pre-Boring Unconsolidated Materials	1,230.000 LF	_____.	_____.
0514	550.0500 Pile Points	1,103.000 EACH	_____.	_____.
0516	550.1100 Piling Steel HP 10-Inch X 42 Lb	5,940.000 LF	_____.	_____.
0518	550.1120 Piling Steel HP 12-Inch X 53 Lb	39,730.000 LF	_____.	_____.
0520	550.2106 Piling CIP Concrete 10 3/4 X 0.365-Inch	1,880.000 LF	_____.	_____.
0522	601.0110 Concrete Curb Type D	386.000 LF	_____.	_____.
0524	601.0319 Concrete Curb & Gutter 19-Inch	2,542.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0526	601.0331 Concrete Curb & Gutter 31-Inch	16,591.000 LF	_____.	_____.
0528	601.0407 Concrete Curb & Gutter 18-Inch Type D	718.000 LF	_____.	_____.
0530	601.0409 Concrete Curb & Gutter 30-Inch Type A	634.000 LF	_____.	_____.
0532	601.0551 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	584.000 LF	_____.	_____.
0534	601.0600 Concrete Curb Pedestrian	56.000 LF	_____.	_____.
0536	602.0410 Concrete Sidewalk 5-Inch	53,249.000 SF	_____.	_____.
0538	602.0515 Curb Ramp Detectable Warning Field Natural Patina	420.000 SF	_____.	_____.
0540	602.1500 Concrete Steps	16.000 SF	_____.	_____.
0542	603.1142 Concrete Barrier Type S42	35,288.000 LF	_____.	_____.
0544	603.1442 Concrete Barrier Type S42C	8,207.000 LF	_____.	_____.
0546	603.1456 Concrete Barrier Type S56C	375.000 LF	_____.	_____.
0548	603.3213 Concrete Barrier Transition Type F32SF to S36	3.000 EACH	_____.	_____.
0550	603.3413 Concrete Barrier Transition Type F32DF to S36	1.000 EACH	_____.	_____.
0552	603.3513 Concrete Barrier Transition Type S32 to S36	2.000 EACH	_____.	_____.
0554	603.3535 Concrete Barrier Transition Type S36 to S42	6.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0556	603.3675 Concrete Barrier Transition Type V51 to S42	1.000 EACH	_____.	_____.
0558	603.8000 Concrete Barrier Temporary Precast Delivered	86,934.000 LF	_____.	_____.
0560	603.8125 Concrete Barrier Temporary Precast Installed	138,124.000 LF	_____.	_____.
0562	604.0400 Slope Paving Concrete	356.000 SY	_____.	_____.
0564	604.0500 Slope Paving Crushed Aggregate	139.000 SY	_____.	_____.
0566	606.0100 Riprap Light	356.000 CY	_____.	_____.
0568	606.0200 Riprap Medium	1,875.000 CY	_____.	_____.
0570	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	5,872.000 LF	_____.	_____.
0572	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	2,216.000 LF	_____.	_____.
0574	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	1,541.000 LF	_____.	_____.
0576	608.0321 Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	11.000 LF	_____.	_____.
0578	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	15,224.000 LF	_____.	_____.
0580	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	2,494.000 LF	_____.	_____.
0582	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	1,119.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0584	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	7.000 LF	_____.	_____.
0586	608.0354 Storm Sewer Pipe Reinforced Concrete Class III 54-Inch	109.000 LF	_____.	_____.
0588	608.0360 Storm Sewer Pipe Reinforced Concrete Class III 60-Inch	198.000 LF	_____.	_____.
0590	608.0372 Storm Sewer Pipe Reinforced Concrete Class III 72-Inch	929.000 LF	_____.	_____.
0592	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	2,405.000 LF	_____.	_____.
0594	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	526.000 LF	_____.	_____.
0596	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	192.000 LF	_____.	_____.
0598	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	3,176.000 LF	_____.	_____.
0600	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	359.000 LF	_____.	_____.
0602	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	347.000 LF	_____.	_____.
0604	608.0442 Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	10.000 LF	_____.	_____.
0606	608.0454 Storm Sewer Pipe Reinforced Concrete Class IV 54-Inch	149.000 LF	_____.	_____.
0608	608.0472 Storm Sewer Pipe Reinforced Concrete Class IV 72-Inch	596.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0610	608.0512 Storm Sewer Pipe Reinforced Concrete Class V 12-Inch	194.000 LF	_____.	_____.
0612	608.0515 Storm Sewer Pipe Reinforced Concrete Class V 15-Inch	17.000 LF	_____.	_____.
0614	608.0518 Storm Sewer Pipe Reinforced Concrete Class V 18-Inch	68.000 LF	_____.	_____.
0616	608.0524 Storm Sewer Pipe Reinforced Concrete Class V 24-Inch	94.000 LF	_____.	_____.
0618	608.2348 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 48x76-Inch	327.000 LF	_____.	_____.
0620	608.2419 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	187.000 LF	_____.	_____.
0622	611.0420 Reconstructing Manholes	22.000 EACH	_____.	_____.
0624	611.0430 Reconstructing Inlets	30.000 EACH	_____.	_____.
0626	611.0535 Manhole Covers Type J-Special	96.000 EACH	_____.	_____.
0628	611.0606 Inlet Covers Type B	3.000 EACH	_____.	_____.
0630	611.0612 Inlet Covers Type C	1.000 EACH	_____.	_____.
0632	611.0624 Inlet Covers Type H	97.000 EACH	_____.	_____.
0634	611.0627 Inlet Covers Type HM	2.000 EACH	_____.	_____.
0636	611.0642 Inlet Covers Type MS	81.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0638	611.0654 Inlet Covers Type V	203.000 EACH	_____.	_____.
0640	611.0663 Inlet Covers Type X	7.000 EACH	_____.	_____.
0642	611.2003 Manholes 3-FT Diameter	2.000 EACH	_____.	_____.
0644	611.2004 Manholes 4-FT Diameter	29.000 EACH	_____.	_____.
0646	611.2005 Manholes 5-FT Diameter	250.000 EACH	_____.	_____.
0648	611.2006 Manholes 6-FT Diameter	44.000 EACH	_____.	_____.
0650	611.2007 Manholes 7-FT Diameter	13.000 EACH	_____.	_____.
0652	611.2008 Manholes 8-FT Diameter	4.000 EACH	_____.	_____.
0654	611.3004 Inlets 4-FT Diameter	184.000 EACH	_____.	_____.
0656	611.3225 Inlets 2x2.5-FT	6.000 EACH	_____.	_____.
0658	611.3230 Inlets 2x3-FT	3.000 EACH	_____.	_____.
0660	611.3901 Inlets Median 1 Grate	19.000 EACH	_____.	_____.
0662	611.3902 Inlets Median 2 Grate	28.000 EACH	_____.	_____.
0664	611.8110 Adjusting Manhole Covers	6.000 EACH	_____.	_____.
0666	611.8115 Adjusting Inlet Covers	10.000 EACH	_____.	_____.
0668	611.8120.S Cover Plates Temporary	64.000 EACH	_____.	_____.
0670	611.9800.S Pipe Grates	5.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0672	612.0106 Pipe Underdrain 6-Inch	734.000 LF	_____.	_____.
0674	612.0206 Pipe Underdrain Unperforated 6-Inch	387.000 LF	_____.	_____.
0676	612.0406 Pipe Underdrain Wrapped 6-Inch	6,790.000 LF	_____.	_____.
0678	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	3.000 EACH	_____.	_____.
0680	614.0150 Anchor Assemblies for Steel Plate Beam Guard	2.000 EACH	_____.	_____.
0682	614.0805 Crash Cushions Permanent Low Maintenance	22.000 EACH	_____.	_____.
0684	614.0905 Crash Cushions Temporary	4.000 EACH	_____.	_____.
0686	614.0950 Replacing Guardrail Posts and Blocks	30.000 EACH	_____.	_____.
0688	614.0951 Replacing Guardrail Rail and Hardware	300.000 LF	_____.	_____.
0690	614.2300 MGS Guardrail 3	98.000 LF	_____.	_____.
0692	614.2500 MGS Thrie Beam Transition	160.000 LF	_____.	_____.
0694	614.2610 MGS Guardrail Terminal EAT	4.000 EACH	_____.	_____.
0696	614.2620 MGS Guardrail Terminal Type 2	2.000 EACH	_____.	_____.
0698	616.0206 Fence Chain Link 6-FT	8,040.000 LF	_____.	_____.
0700	616.0329 Gates Chain Link (width) 0001. 12-FT	7.000 EACH	_____.	_____.
0702	616.0700.S Fence Safety	5,000.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0704	619.1000 Mobilization	1.000 EACH	_____.	_____.
0706	620.0300 Concrete Median Sloped Nose	942.000 SF	_____.	_____.
0708	623.0200 Dust Control Surface Treatment	243.000 SY	_____.	_____.
0710	624.0100 Water	2,228.000 MGAL	_____.	_____.
0712	627.0200 Mulching	10,765.000 SY	_____.	_____.
0714	628.1104 Erosion Bales	400.000 EACH	_____.	_____.
0716	628.1504 Silt Fence	18,155.000 LF	_____.	_____.
0718	628.1520 Silt Fence Maintenance	21,269.000 LF	_____.	_____.
0720	628.1905 Mobilizations Erosion Control	43.000 EACH	_____.	_____.
0722	628.1910 Mobilizations Emergency Erosion Control	40.000 EACH	_____.	_____.
0724	628.2004 Erosion Mat Class I Type B	37,469.000 SY	_____.	_____.
0726	628.2027 Erosion Mat Class II Type C	92,450.000 SY	_____.	_____.
0728	628.5505 Polyethylene Sheeting	2,000.000 SY	_____.	_____.
0730	628.6505 Soil Stabilizer Type A	1.000 ACRE	_____.	_____.
0732	628.6510 Soil Stabilizer Type B	6.000 ACRE	_____.	_____.
0734	628.7005 Inlet Protection Type A	787.000 EACH	_____.	_____.
0736	628.7010 Inlet Protection Type B	156.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0738	628.7015 Inlet Protection Type C	55.000 EACH	_____.	_____.
0740	628.7020 Inlet Protection Type D	1,005.000 EACH	_____.	_____.
0742	628.7504 Temporary Ditch Checks	270.000 LF	_____.	_____.
0744	628.7560 Tracking Pads	40.000 EACH	_____.	_____.
0746	628.7570 Rock Bags	630.000 EACH	_____.	_____.
0748	629.0210 Fertilizer Type B	108.000 CWT	_____.	_____.
0750	630.0120 Seeding Mixture No. 20	6,965.000 LB	_____.	_____.
0752	630.0200 Seeding Temporary	2,389.000 LB	_____.	_____.
0754	630.0500 Seed Water	2,627.000 MGAL	_____.	_____.
0756	631.0300 Sod Water	132.000 MGAL	_____.	_____.
0758	631.1000 Sod Lawn	7,094.000 SY	_____.	_____.
0760	631.1100 Sod Erosion Control	100.000 SY	_____.	_____.
0762	633.1000 Delineators Barrier Wall	500.000 EACH	_____.	_____.
0764	633.5200 Markers Culvert End	14.000 EACH	_____.	_____.
0766	634.0618 Posts Wood 4x6-Inch X 18-FT	102.000 EACH	_____.	_____.
0768	634.0620 Posts Wood 4x6-Inch X 20-FT	3.000 EACH	_____.	_____.
0770	634.0622 Posts Wood 4x6-Inch X 22-FT	44.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0772	634.0816 Posts Tubular Steel 2x2-Inch X 16-FT	114.000 EACH	_____.	_____.
0774	634.0885 Posts Tubular Steel 2x2-Inch X 8.5-FT	4.000 EACH	_____.	_____.
0776	635.0200 Sign Supports Structural Steel HS	11,700.000 LB	_____.	_____.
0778	635.0300 Sign Supports Replacing Base Connection Bolts	2.000 EACH	_____.	_____.
0780	636.0100 Sign Supports Concrete Masonry	463.600 CY	_____.	_____.
0782	636.0500 Sign Supports Steel Reinforcement	2,650.000 LB	_____.	_____.
0784	636.1000 Sign Supports Steel Reinforcement HS	34,895.000 LB	_____.	_____.
0786	636.1500 Sign Supports Steel Coated Reinforcement HS	61,370.000 LB	_____.	_____.
0788	637.1220 Signs Type I Reflective SH	2,932.000 SF	_____.	_____.
0790	637.1230 Signs Type I Reflective F	122.000 SF	_____.	_____.
0792	637.2210 Signs Type II Reflective H	2,297.260 SF	_____.	_____.
0794	637.2215 Signs Type II Reflective H Folding	152.420 SF	_____.	_____.
0796	637.2230 Signs Type II Reflective F	1,281.500 SF	_____.	_____.
0798	638.2101 Moving Signs Type I	21.000 EACH	_____.	_____.
0800	638.2102 Moving Signs Type II	53.000 EACH	_____.	_____.
0802	638.2601 Removing Signs Type I	17.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0804	638.2602 Removing Signs Type II	222.000 EACH	_____.	_____.
0806	638.3000 Removing Small Sign Supports	153.000 EACH	_____.	_____.
0808	638.3100 Removing Structural Steel Sign Supports	29.000 EACH	_____.	_____.
0810	638.3150 Removing Overhead Sign Supports Cantilever (structure) 0001. S-40-233	1.000 EACH	_____.	_____.
0812	638.3150 Removing Overhead Sign Supports Cantilever (structure) 0002. S-40-234	1.000 EACH	_____.	_____.
0814	638.3150 Removing Overhead Sign Supports Cantilever (structure) 0003. S-40-235	1.000 EACH	_____.	_____.
0816	638.3150 Removing Overhead Sign Supports Cantilever (structure) 0004. S-40-236	1.000 EACH	_____.	_____.
0818	638.3150 Removing Overhead Sign Supports Cantilever (structure) 0005. S-40-281	1.000 EACH	_____.	_____.
0820	638.3150 Removing Overhead Sign Supports Cantilever (structure) 0006. S-40-354	1.000 EACH	_____.	_____.
0822	638.3150 Removing Overhead Sign Supports Cantilever (structure) 0008. S-40-378	1.000 EACH	_____.	_____.
0824	638.3150 Removing Overhead Sign Supports Cantilever (structure) 0009. S-40-792	1.000 EACH	_____.	_____.
0826	638.3155 Removing Overhead Sign Supports Full Span (structure) 0007. S-40-355	1.000 EACH	_____.	_____.
0828	641.0100 Sign Bridge Single Pole Sign Support One Sign (structure) 0001. S-40-784	LS	LUMP SUM	_____.
0830	641.0100 Sign Bridge Single Pole Sign Support One Sign (structure) 0002. S-40-785	LS	LUMP SUM	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0832	641.0100 Sign Bridge Single Pole Sign Support One Sign (structure) 0003. S-40-786	LS	LUMP SUM	_____.
0834	641.0600 Sign Bridge Single Pole Sign Support Two Signs (structure) 0001. S-40-783	LS	LUMP SUM	_____.
0836	641.1200 Sign Bridge Cantilevered (structure) 0001. S-40-69	LS	LUMP SUM	_____.
0838	641.1200 Sign Bridge Cantilevered (structure) 0002. S-40-71	LS	LUMP SUM	_____.
0840	641.1200 Sign Bridge Cantilevered (structure) 0004. S-40-75	LS	LUMP SUM	_____.
0842	641.1200 Sign Bridge Cantilevered (structure) 0005. S-40-77	LS	LUMP SUM	_____.
0844	641.1200 Sign Bridge Cantilevered (structure) 0006. S-40-145	LS	LUMP SUM	_____.
0846	641.1200 Sign Bridge Cantilevered (structure) 0007. S-40-967	LS	LUMP SUM	_____.
0848	641.1200 Sign Bridge Cantilevered (structure) 0009. S-40-73	LS	LUMP SUM	_____.
0850	641.6600 Sign Bridge (structure) 0001. S-40-67	LS	LUMP SUM	_____.
0852	641.6600 Sign Bridge (structure) 0002. S-40-70	LS	LUMP SUM	_____.
0854	641.6600 Sign Bridge (structure) 0003. S-40-442	LS	LUMP SUM	_____.
0856	641.8100 Overhead Sign Support (structure) 0001. S-40-972	LS	LUMP SUM	_____.
0858	641.8100 Overhead Sign Support (structure) 0002. S-40-970	LS	LUMP SUM	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0860	641.8100 Overhead Sign Support (structure) 0003. S-40-968	LS	LUMP SUM	_____.
0862	641.8100 Overhead Sign Support (structure) 0004. S-40-799	LS	LUMP SUM	_____.
0864	641.8100 Overhead Sign Support (structure) 0005. S-40-798	LS	LUMP SUM	_____.
0866	641.8100 Overhead Sign Support (structure) 0006. S-40-969	LS	LUMP SUM	_____.
0868	643.0300 Traffic Control Drums	623,655.000 DAY	_____.	_____.
0870	643.0410 Traffic Control Barricades Type II	6,150.000 DAY	_____.	_____.
0872	643.0420 Traffic Control Barricades Type III	56,684.000 DAY	_____.	_____.
0874	643.0500 Traffic Control Flexible Tubular Marker Posts	45.000 EACH	_____.	_____.
0876	643.0600 Traffic Control Flexible Tubular Marker Bases	45.000 EACH	_____.	_____.
0878	643.0705 Traffic Control Warning Lights Type A	97,988.000 DAY	_____.	_____.
0880	643.0715 Traffic Control Warning Lights Type C	107,419.000 DAY	_____.	_____.
0882	643.0800 Traffic Control Arrow Boards	11,165.000 DAY	_____.	_____.
0884	643.0900 Traffic Control Signs	506,843.000 DAY	_____.	_____.
0886	643.0910 Traffic Control Covering Signs Type I	754.000 EACH	_____.	_____.
0888	643.0920 Traffic Control Covering Signs Type II	1,480.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0890	643.1000 Traffic Control Signs Fixed Message	3,000.500 SF	_____.	_____.
0892	643.1050 Traffic Control Signs PCMS	8,414.000 DAY	_____.	_____.
0894	643.1100.S Dynamic Late Merge System	1,694.000 DAY	_____.	_____.
0896	643.4100.S Traffic Control Interim Lane Closure	3,290.000 EACH	_____.	_____.
0898	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0900	644.1410 Temporary Pedestrian Surface Asphalt	1,000.000 SF	_____.	_____.
0902	644.1430 Temporary Pedestrian Surface Plate	500.000 SF	_____.	_____.
0904	644.1601 Temporary Pedestrian Curb Ramp	10.000 DAY	_____.	_____.
0906	644.1810 Temporary Pedestrian Barricade	500.000 LF	_____.	_____.
0908	645.0111 Geotextile Type DF Schedule A	852.000 SY	_____.	_____.
0910	645.0112 Geotextile Type DF Schedule B	1,600.000 SY	_____.	_____.
0912	645.0120 Geotextile Type HR	2,903.000 SY	_____.	_____.
0914	645.0130 Geotextile Type R	1,230.000 SY	_____.	_____.
0916	645.0140 Geotextile Type SAS	2,821.000 SY	_____.	_____.
0918	645.0220 Geogrid Type SR	10,000.000 SY	_____.	_____.
0920	646.1020 Marking Line Epoxy 4-Inch	89,103.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0922	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	50,282.000 LF	_____.	_____.
0924	646.1041.S Marking Replace Line Wet Reflective Epoxy 4-Inch	140,220.000 LF	_____.	_____.
0926	646.1546.S Marking Replace Line Contrast Wet Reflective Epoxy 4-Inch	56,377.000 LF	_____.	_____.
0928	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	20,777.000 LF	_____.	_____.
0930	646.3020 Marking Line Epoxy 8-Inch	557.000 LF	_____.	_____.
0932	646.3546.S Marking Replace Line Contrast Wet Reflective Epoxy 8-Inch	63,499.000 LF	_____.	_____.
0934	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	20,712.000 LF	_____.	_____.
0936	646.5020 Marking Arrow Epoxy	139.000 EACH	_____.	_____.
0938	646.5120 Marking Word Epoxy	51.000 EACH	_____.	_____.
0940	646.5220 Marking Symbol Epoxy	33.000 EACH	_____.	_____.
0942	646.6120 Marking Stop Line Epoxy 18-Inch	1,014.000 LF	_____.	_____.
0944	646.7120 Marking Diagonal Epoxy 12-Inch	11,688.000 LF	_____.	_____.
0946	646.7220 Marking Chevron Epoxy 24-Inch	8,478.000 LF	_____.	_____.
0948	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	2,438.000 LF	_____.	_____.
0950	646.8120 Marking Curb Epoxy	416.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0952	646.8220 Marking Island Nose Epoxy	19.000 EACH	_____.	_____.
0954	646.8320 Marking Parking Stall Epoxy	152.000 LF	_____.	_____.
0956	646.9000 Marking Removal Line 4-Inch	120,000.000 LF	_____.	_____.
0958	646.9010 Marking Removal Line Water Blasting 4-Inch	88,274.000 LF	_____.	_____.
0960	646.9310 Marking Removal Special Marking Water Blasting	2.000 EACH	_____.	_____.
0962	649.0105 Temporary Marking Line Paint 4-Inch	19,000.000 LF	_____.	_____.
0964	649.0120 Temporary Marking Line Epoxy 4-Inch	360,000.000 LF	_____.	_____.
0966	649.0150 Temporary Marking Line Removable Tape 4-Inch	53,301.000 LF	_____.	_____.
0968	649.0205 Temporary Marking Line Paint 8-Inch	675.000 LF	_____.	_____.
0970	649.0220 Temporary Marking Line Epoxy 8-Inch	13,500.000 LF	_____.	_____.
0972	649.0250 Temporary Marking Line Removable Tape 8-Inch	5,898.000 LF	_____.	_____.
0974	649.0520 Temporary Marking Arrow Epoxy	10.000 EACH	_____.	_____.
0976	649.0760 Temporary Marking Raised Pavement Marker Type I	100.000 EACH	_____.	_____.
0978	652.0125 Conduit Rigid Metallic 2-Inch	1,203.000 LF	_____.	_____.
0980	652.0135 Conduit Rigid Metallic 3-Inch	28.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0982	652.0210 Conduit Rigid Nonmetallic Schedule 40 1-Inch	235.000 LF	_____.	_____.
0984	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	71,215.000 LF	_____.	_____.
0986	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	7,449.000 LF	_____.	_____.
0988	652.0615 Conduit Special 3-Inch	675.000 LF	_____.	_____.
0990	652.0700.S Install Conduit into Existing Item	8.000 EACH	_____.	_____.
0992	652.0800 Conduit Loop Detector	3,290.000 LF	_____.	_____.
0994	653.0135 Pull Boxes Steel 24x36-Inch	7.000 EACH	_____.	_____.
0996	653.0140 Pull Boxes Steel 24x42-Inch	131.000 EACH	_____.	_____.
0998	653.0220 Junction Boxes 18x6x6-Inch	17.000 EACH	_____.	_____.
1000	653.0222 Junction Boxes 18x12x6-Inch	27.000 EACH	_____.	_____.
1002	653.0905 Removing Pull Boxes	90.000 EACH	_____.	_____.
1004	654.0101 Concrete Bases Type 1	23.000 EACH	_____.	_____.
1006	654.0102 Concrete Bases Type 2	4.000 EACH	_____.	_____.
1008	654.0105 Concrete Bases Type 5	126.000 EACH	_____.	_____.
1010	654.0106 Concrete Bases Type 6	2.000 EACH	_____.	_____.
1012	654.0110 Concrete Bases Type 10	8.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1014	654.0111 Concrete Bases Type 11	7.000 EACH	_____.	_____.
1016	654.0217 Concrete Control Cabinet Bases Type 9 Special	4.000 EACH	_____.	_____.
1018	654.0230 Concrete Control Cabinet Bases Type L30	3.000 EACH	_____.	_____.
1020	654.1150 Concrete Bases Camera Pole 50-FT	3.000 EACH	_____.	_____.
1022	654.1239 Concrete Control Cabinet Bases ITS	3.000 EACH	_____.	_____.
1024	655.0122 Cable In Duct 3-2 AWG	85.000 LF	_____.	_____.
1026	655.0124 Cable In Duct 3-4 AWG	610.000 LF	_____.	_____.
1028	655.0210 Cable Traffic Signal 3-14 AWG	2,307.000 LF	_____.	_____.
1030	655.0230 Cable Traffic Signal 5-14 AWG	2,808.000 LF	_____.	_____.
1032	655.0240 Cable Traffic Signal 7-14 AWG	3,667.000 LF	_____.	_____.
1034	655.0260 Cable Traffic Signal 12-14 AWG	5,192.000 LF	_____.	_____.
1036	655.0320 Cable Type UF 2-10 AWG Grounded	2,083.000 LF	_____.	_____.
1038	655.0510 Electrical Wire Traffic Signals 12 AWG	21,105.000 LF	_____.	_____.
1040	655.0515 Electrical Wire Traffic Signals 10 AWG	5,167.000 LF	_____.	_____.
1042	655.0610 Electrical Wire Lighting 12 AWG	34,200.000 LF	_____.	_____.
1044	655.0615 Electrical Wire Lighting 10 AWG	5,426.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1046	655.0620 Electrical Wire Lighting 8 AWG	59,550.000 LF	_____.	_____.
1048	655.0625 Electrical Wire Lighting 6 AWG	22,375.000 LF	_____.	_____.
1050	655.0630 Electrical Wire Lighting 4 AWG	88,380.000 LF	_____.	_____.
1052	655.0635 Electrical Wire Lighting 2 AWG	38,210.000 LF	_____.	_____.
1054	655.0640 Electrical Wire Lighting 1 AWG	90.000 LF	_____.	_____.
1056	655.0700 Loop Detector Lead In Cable	17,528.000 LF	_____.	_____.
1058	655.0800 Loop Detector Wire	12,549.000 LF	_____.	_____.
1060	655.0900 Traffic Signal EVP Detector Cable	2,307.000 LF	_____.	_____.
1062	656.0200 Electrical Service Meter Breaker Pedestal (location) 2001. RM-40-0026	LS	LUMP SUM	_____.
1064	656.0200 Electrical Service Meter Breaker Pedestal (location) 2002. RM-40-0104	LS	LUMP SUM	_____.
1066	656.0200 Electrical Service Meter Breaker Pedestal (location) 2003. RM-40-0103	LS	LUMP SUM	_____.
1068	656.0200 Electrical Service Meter Breaker Pedestal (location) 2004. CCTV-40-0038	LS	LUMP SUM	_____.
1070	656.0200 Electrical Service Meter Breaker Pedestal (location) 2005. DMS-40-0037	LS	LUMP SUM	_____.
1072	656.0200 Electrical Service Meter Breaker Pedestal (location) 3001. (IH 41 SB on Ramp & W. North Avenue)	LS	LUMP SUM	_____.



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Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1074	656.0200 Electrical Service Meter Breaker Pedestal (location) 3002. (IH 41 NB on Ramp & W. North Avenue)	LS	LUMP SUM	_____.
1076	656.0200 Electrical Service Meter Breaker Pedestal (location) 3101. (W. North Avenue & N. 116TH Street)	LS	LUMP SUM	_____.
1078	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1001. HL-40-UC	LS	LUMP SUM	_____.
1080	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1002. HL-40-NA	LS	LUMP SUM	_____.
1082	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1003. HL-40-BS	LS	LUMP SUM	_____.
1084	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1004. H	LS	LUMP SUM	_____.
1086	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1005. 88	LS	LUMP SUM	_____.
1088	656.0500 Electrical Service Breaker Disconnect Box (location) 2001. RM-40-0026	LS	LUMP SUM	_____.
1090	656.0500 Electrical Service Breaker Disconnect Box (location) 2002. RM-40-0104	LS	LUMP SUM	_____.
1092	656.0500 Electrical Service Breaker Disconnect Box (location) 2003. RM-40-0103	LS	LUMP SUM	_____.
1094	656.0500 Electrical Service Breaker Disconnect Box (location) 2004. CCTV-40-0038	LS	LUMP SUM	_____.
1096	656.0500 Electrical Service Breaker Disconnect Box (location) 2005. CCTV-40-0039	LS	LUMP SUM	_____.
1098	656.0500 Electrical Service Breaker Disconnect Box (location) 2006. DMS-40-0037	LS	LUMP SUM	_____.



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Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
 Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1100	657.0100 Pedestal Bases	14.000 EACH	_____.	_____.
1102	657.0210 Transformer Bases Breakaway 15-17 Inch Bolt Circle	46.000 EACH	_____.	_____.
1104	657.0255 Transformer Bases Breakaway 11 1/2- Inch Bolt Circle	102.000 EACH	_____.	_____.
1106	657.0305 Poles Type 2	2.000 EACH	_____.	_____.
1108	657.0310 Poles Type 3	2.000 EACH	_____.	_____.
1110	657.0322 Poles Type 5-Aluminum	128.000 EACH	_____.	_____.
1112	657.0327 Poles Type 6-Aluminum	2.000 EACH	_____.	_____.
1114	657.0375 Poles Type A	51.000 EACH	_____.	_____.
1116	657.0420 Traffic Signal Standards Aluminum 13-FT	1.000 EACH	_____.	_____.
1118	657.0425 Traffic Signal Standards Aluminum 15-FT	8.000 EACH	_____.	_____.
1120	657.0430 Traffic Signal Standards Aluminum 10-FT	5.000 EACH	_____.	_____.
1122	657.0609 Luminaire Arms Single Member 4-Inch Clamp 6-FT	2.000 EACH	_____.	_____.
1124	657.0610 Luminaire Arms Single Member 4 1/2- Inch Clamp 6-FT	126.000 EACH	_____.	_____.
1126	657.0620 Luminaire Arms Single Member 6-Inch Clamp 4-FT	104.000 EACH	_____.	_____.
1128	657.6005 Anchor Assemblies Light Poles on Structures	18.000 EACH	_____.	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1130	658.0171 Traffic Signal Face 1S 12-Inch	2.000 EACH	_____.	_____.
1132	658.0173 Traffic Signal Face 3S 12-Inch	25.000 EACH	_____.	_____.
1134	658.0174 Traffic Signal Face 4S 12-Inch	19.000 EACH	_____.	_____.
1136	658.0416 Pedestrian Signal Face 16-Inch	16.000 EACH	_____.	_____.
1138	658.0500 Pedestrian Push Buttons	19.000 EACH	_____.	_____.
1140	658.5069 Signal Mounting Hardware (location) 3001. (IH 41 SB on Ramp & W. North Avenue)	LS	LUMP SUM	_____.
1142	658.5069 Signal Mounting Hardware (location) 3002. (IH 41 NB on Ramp & W. North Avenue)	LS	LUMP SUM	_____.
1144	658.5069 Signal Mounting Hardware (location) 3101. (W. North Avenue and N. 116TH Street)	LS	LUMP SUM	_____.
1146	659.0600 Underdeck Lighting (location) 1001. IH 41 (Meinecke Avenue Bridge)	LS	LUMP SUM	_____.
1148	659.0600 Underdeck Lighting (location) 1002. IH 41 (Center Street Bridge)	LS	LUMP SUM	_____.
1150	659.0600 Underdeck Lighting (location) 1003. STH 100 (IH 41 NB Bridge)	LS	LUMP SUM	_____.
1152	659.0600 Underdeck Lighting (location) 1004. STH 100 (IH 41 SB Bridge)	LS	LUMP SUM	_____.
1154	659.0600 Underdeck Lighting (location) 1005. North Avenue (IH 41 NB Bridge)	LS	LUMP SUM	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1156	659.0600 Underdeck Lighting (location) 1006. North Avenue (IH 41 SB Bridge)	LS	LUMP SUM	_____.
1158	659.0700 Lighting Units Walkway	7.000 EACH	_____.	_____.
1162	659.1125 Luminaires Utility LED C	123.000 EACH	_____.	_____.
1164	659.1130 Luminaires Utility LED D	102.000 EACH	_____.	_____.
1166	659.1215 Luminaires Underdeck LED C	20.000 EACH	_____.	_____.
1168	659.2230 Lighting Control Cabinets 240/480 30-Inch	3.000 EACH	_____.	_____.
1170	662.1030.S Ramp Closure Gates 30-FT	1.000 EACH	_____.	_____.
1172	662.1037.S Ramp Closure Gates 37-FT	3.000 EACH	_____.	_____.
1174	662.1040.S Ramp Closure Gates 40-FT	2.000 EACH	_____.	_____.
1176	670.0100 Field System Integrator 2001. FTMS	LS	LUMP SUM	_____.
1178	670.0100 Field System Integrator 3001. W. North Avenue Interconnect	LS	LUMP SUM	_____.
1180	670.0200 ITS Documentation 2001. FTMS	LS	LUMP SUM	_____.
1182	670.0200 ITS Documentation 3001. W. North Avenue Interconnect	LS	LUMP SUM	_____.
1184	671.0132 Conduit HDPE 3-Duct 2-Inch	8,930.000 LF	_____.	_____.
1186	673.0105 Communication Vault Type 1	13.000 EACH	_____.	_____.
1188	673.0200.S Install ITS Field Cabinet	3.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1190	673.0225.S Install Pole Mounted Cabinet	4.000 EACH	_____.	_____.
1192	674.0200 Cable Microwave Detector	9,770.000 LF	_____.	_____.
1194	674.0300 Remove Cable	13,035.000 LF	_____.	_____.
1196	675.0100 Install Controller Ramp Meter Processor Assembly	3.000 EACH	_____.	_____.
1198	675.0300 Install Mounted Controller Microwave Detector Assembly	12.000 EACH	_____.	_____.
1200	677.0150 Install Camera Pole 50-FT	3.000 EACH	_____.	_____.
1202	677.0200 Install Camera Assembly	3.000 EACH	_____.	_____.
1204	677.9051.S Removing 50-FT Camera Pole	2.000 EACH	_____.	_____.
1206	677.9200.S Removing CCTV Camera	2.000 EACH	_____.	_____.
1208	678.0006 Install Fiber Optic Cable Outdoor Plant 6-CT	8,168.000 LF	_____.	_____.
1210	678.0072 Install Fiber Optic Cable Outdoor Plant 72-CT	13,965.000 LF	_____.	_____.
1212	678.0100.S Install Overhead Freeway DMS Full Matrix	1.000 EACH	_____.	_____.
1214	678.0300 Fiber Optic Splice	444.000 EACH	_____.	_____.
1216	678.0400 Fiber Optic Termination	62.000 EACH	_____.	_____.
1218	678.0500 Communication System Testing	LS	LUMP SUM	_____.



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SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1220	678.0500 Communication System Testing 3001. W. North Avenue Interconnect	LS	LUMP SUM	_____.
1222	678.0600 Install Ethernet Switches	9.000 EACH	_____.	_____.
1224	690.0150 Sawing Asphalt	3,220.000 LF	_____.	_____.
1226	690.0250 Sawing Concrete	56,762.000 LF	_____.	_____.
1228	715.0415 Incentive Strength Concrete Pavement	135,340.000 DOL	1.00000	135,340.00
1230	715.0502 Incentive Strength Concrete Structures	22,000.000 DOL	1.00000	22,000.00
1232	715.0603 Incentive Strength Concrete Barrier	28,000.000 DOL	1.00000	28,000.00
1234	740.0440 Incentive IRI Ride	42,765.000 DOL	1.00000	42,765.00
1236	801.0117 Railroad Flagging Reimbursement	800,000.000 DOL	1.00000	800,000.00
1238	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	11,000.000 HRS	5.00000	55,000.00
1240	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	20,700.000 HRS	5.00000	103,500.00
1242	SPV.0035 Special 0001. EBS Excavation	70,523.000 CY	_____.	_____.
1244	SPV.0035 Special 0002. EBS Backfill	70,523.000 CY	_____.	_____.
1246	SPV.0035 Special 0003. Excavation, Hauling, and Reuse of Low-Level Contaminated Soil	12,310.000 CY	_____.	_____.
1248	SPV.0035 Special 0800. Backfill Controlled Low Strength UPRR	250.000 CY	_____.	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1250	SPV.0035 Special 4000. HPC Masonry Structures	8,768.000 CY	_____.	_____.
1252	SPV.0035 Special 4010. Rapid Set Deck Repair	4.000 CY	_____.	_____.
1254	SPV.0035 Special 4020. Lightweight Foamed Concrete Fill	402.000 CY	_____.	_____.
1256	SPV.0045 Special 0900. Portable Speed Trailer	1,766.000 DAY	_____.	_____.
1258	SPV.0060 Special 0101. Concrete Barrier Transition Type G1	1.000 EACH	_____.	_____.
1260	SPV.0060 Special 0102. Concrete Barrier Transition Type G2	1.000 EACH	_____.	_____.
1262	SPV.0060 Special 0103. Concrete Barrier Transition Type G3	1.000 EACH	_____.	_____.
1264	SPV.0060 Special 0104. Concrete Barrier Transition Type G4	1.000 EACH	_____.	_____.
1266	SPV.0060 Special 0105. Concrete Barrier Transition Type G5	2.000 EACH	_____.	_____.
1268	SPV.0060 Special 0110. Concrete Barrier Transition Type M1	1.000 EACH	_____.	_____.
1270	SPV.0060 Special 0112. Concrete Barrier Transition Type S42C to S56C	2.000 EACH	_____.	_____.
1272	SPV.0060 Special 0115. Concrete Barrier Type S42 End Anchor	51.000 EACH	_____.	_____.
1274	SPV.0060 Special 0120. Mobilizations Emergency Pavement Repair	20.000 EACH	_____.	_____.
1276	SPV.0060 Special 0125. Section Corner Monuments	1.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1278	SPV.0060 Special 0130. Cross Stitching Longitudinal Joints and Cracks	700.000 EACH	_____.	_____.
1280	SPV.0060 Special 0150. Crack and Damage Survey Single or Double Unit Residential	43.000 EACH	_____.	_____.
1282	SPV.0060 Special 0155. Crack and Damage Survey Multi-Unit Residential	5.000 EACH	_____.	_____.
1284	SPV.0060 Special 0160. Crack and Damage Survey Commercial Public or Industrial	5.000 EACH	_____.	_____.
1286	SPV.0060 Special 0165. Maintain and Salvage Crash Cushions Temporary Left in Place	3.000 EACH	_____.	_____.
1288	SPV.0060 Special 0400. Marking Contrast Epoxy Special Marking Arrow	10.000 EACH	_____.	_____.
1290	SPV.0060 Special 0405. Remove Grooved In Pavement Marking Thermoplastic Arrows And Words	39.000 EACH	_____.	_____.
1292	SPV.0060 Special 0601. Baseline CPM Progress Schedule	1.000 EACH	_____.	_____.
1294	SPV.0060 Special 0602. Monthly CPM Progress Schedule Updates	32.000 EACH	_____.	_____.
1296	SPV.0060 Special 0603. Exposing Existing Infrastructure Paved Area	15.000 EACH	_____.	_____.
1298	SPV.0060 Special 0604. Exposing Existing Infrastructure Unpaved Area	15.000 EACH	_____.	_____.
1300	SPV.0060 Special 0910. Traffic Control Close-Open Freeway Entrance Ramp	449.000 EACH	_____.	_____.
1302	SPV.0060 Special 0916. Traffic Control Local Road Lane Closures	435.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1304	SPV.0060 Special 0917. Traffic Control Close-Open Freeway to Freeway System Ramp	56.000 EACH	_____.	_____.
1306	SPV.0060 Special 0918. Traffic Control Full Freeway Closure	150.000 EACH	_____.	_____.
1308	SPV.0060 Special 0920. Fixed Message Sign Portable Support Special	16.000 EACH	_____.	_____.
1310	SPV.0060 Special 0930. Dynamic Speed Display Sign	4.000 EACH	_____.	_____.
1312	SPV.0060 Special 0935. Moving Dynamic Speed Display Sign	4.000 EACH	_____.	_____.
1314	SPV.0060 Special 0940. Emergency Response to Traffic Incident Involving Concrete Barrier Temporary	40.000 EACH	_____.	_____.
1316	SPV.0060 Special 0945. Emergency Response to Traffic Incident Involving Crash Cushions	10.000 EACH	_____.	_____.
1318	SPV.0060 Special 0950. Temporary Concrete Barrier Gate 24-FT	2.000 EACH	_____.	_____.
1320	SPV.0060 Special 0955. Install State Furnished Sign	4.000 EACH	_____.	_____.
1322	SPV.0060 Special 1002. Poles Wood 60-FT	3.000 EACH	_____.	_____.
1324	SPV.0060 Special 1003. Poles Wood 35-FT	2.000 EACH	_____.	_____.
1326	SPV.0060 Special 1004. Wood Pole Lighting 60-FT	36.000 EACH	_____.	_____.
1328	SPV.0060 Special 1005. Wood Pole Lighting 35-FT	3.000 EACH	_____.	_____.
1330	SPV.0060 Special 1006. Concrete Bases Type B	48.000 EACH	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1332	SPV.0060 Special 1007. Concrete Bases Type C	3.000 EACH	_____.	_____.
1334	SPV.0060 Special 1008. Luminaires Utility HPS 400 Watts Floodlight	3.000 EACH	_____.	_____.
1336	SPV.0060 Special 1009. Luminaires Utility HPS 1000 Watts Floodlight	36.000 EACH	_____.	_____.
1338	SPV.0060 Special 2000. Removing Electrical Service Meter Breaker Pedestal	5.000 EACH	_____.	_____.
1340	SPV.0060 Special 2001. Removing Controller Cabinet	4.000 EACH	_____.	_____.
1342	SPV.0060 Special 2002. Removing Controller Cabinet Base	4.000 EACH	_____.	_____.
1344	SPV.0060 Special 2003. Removing Microwave Detector	3.000 EACH	_____.	_____.
1346	SPV.0060 Special 2004. Removing Ramp Control Signal Assembly Sidemount	6.000 EACH	_____.	_____.
1348	SPV.0060 Special 2005. Removing Ramp Control Signal Assembly Overhead	2.000 EACH	_____.	_____.
1350	SPV.0060 Special 2006. Removing Temporary Vehicle Detector Assembly	3.000 EACH	_____.	_____.
1352	SPV.0060 Special 2008. Salvage Solar Powered HAR Sign Assembly	1.000 EACH	_____.	_____.
1354	SPV.0060 Special 2009. Speed Warning Sign System	1.000 EACH	_____.	_____.
1356	SPV.0060 Special 2010. Temporary Poles Wood 40-Foot	3.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1358	SPV.0060 Special 2011. Temporary Poles Wood 60-Foot	2.000 EACH	_____.	_____.
1360	SPV.0060 Special 2012. Temporary Vehicle Detector Assembly	3.000 EACH	_____.	_____.
1362	SPV.0060 Special 2013. Ground Rod	6.000 EACH	_____.	_____.
1364	SPV.0060 Special 2014. Relocating Temporary Vehicle Detector Assembly	6.000 EACH	_____.	_____.
1366	SPV.0060 Special 2015. Refocus Vehicle Detector Assembly	27.000 EACH	_____.	_____.
1368	SPV.0060 Special 2016. Remove Pole	2.000 EACH	_____.	_____.
1370	SPV.0060 Special 2017. Install Temporary Traffic Camera Assembly	2.000 EACH	_____.	_____.
1372	SPV.0060 Special 2018. Install Salvaged Solar Powered HAR Sign Assembly	1.000 EACH	_____.	_____.
1374	SPV.0060 Special 2019. Remove Temporary Traffic Camera Assembly	2.000 EACH	_____.	_____.
1376	SPV.0060 Special 2020. Signal Assembly Ramp Control Sidemount	3.000 EACH	_____.	_____.
1378	SPV.0060 Special 2021. Signal Assembly Ramp Control Overhead	6.000 EACH	_____.	_____.
1380	SPV.0060 Special 2022. Signal Assembly Advanced Flasher Type 1	6.000 EACH	_____.	_____.
1382	SPV.0060 Special 3001. Type 9 & 10 Special Traffic Signal Base	3.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1384	SPV.0060 Special 3002. Transport and Install Poles Type 9 Special	2.000 EACH	_____.	_____.
1386	SPV.0060 Special 3003. Transport and Install Poles Type 10	8.000 EACH	_____.	_____.
1388	SPV.0060 Special 3004. Transport and Install Poles Type 10 Special	1.000 EACH	_____.	_____.
1390	SPV.0060 Special 3005. Transport and Install Monotube Arms 15-FT	2.000 EACH	_____.	_____.
1392	SPV.0060 Special 3006. Transport and Install Monotube Arms 20-FT	1.000 EACH	_____.	_____.
1394	SPV.0060 Special 3007. Transport and Install Monotube Arms 25-FT	2.000 EACH	_____.	_____.
1396	SPV.0060 Special 3008. Transport and Install Monotube Arms 30-FT	3.000 EACH	_____.	_____.
1398	SPV.0060 Special 3009. Transport and Install Monotube Arms 35- FT	1.000 EACH	_____.	_____.
1400	SPV.0060 Special 3010. Transport and Install Monotube Arms 40-FT	2.000 EACH	_____.	_____.
1402	SPV.0060 Special 3011. Transport and Install Luminaire Arms Steel 8- FT	6.000 EACH	_____.	_____.
1404	SPV.0060 Special 3012. Transport and Install Luminaire Arms Steel 15-FT	9.000 EACH	_____.	_____.
1406	SPV.0060 Special 3013. Covering Existing Traffic Signal Faces	3.000 EACH	_____.	_____.
1408	SPV.0060 Special 3101. Removing Monotube Concrete Bases	4.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1410	SPV.0060 Special 3102. Traffic Signal Controller Programming	1.000 EACH	_____.	_____.
1412	SPV.0060 Special 3103. EVP Detector Type I	4.000 EACH	_____.	_____.
1414	SPV.0060 Special 3104. EVP Discriminator Type IV	1.000 EACH	_____.	_____.
1416	SPV.0060 Special 3105. EVP Confirmation Light Assembly Type I	4.000 EACH	_____.	_____.
1418	SPV.0060 Special 3106. Concrete Control Cabinet Bases Type 9 special Super P	1.000 EACH	_____.	_____.
1420	SPV.0060 Special 4008. Pile Dynamic Analyzer (PDA) Testing	8.000 EACH	_____.	_____.
1422	SPV.0060 Special 4028. Pile Dynamic Analyzer (PDA) Restrikes	8.000 EACH	_____.	_____.
1424	SPV.0060 Special 4048. Case Pile Wave Analysis Program (CAP/WAP) Evaluation	4.000 EACH	_____.	_____.
1426	SPV.0060 Special 4068. Bearing Pads Elastomeric Special Temporary	50.000 EACH	_____.	_____.
1428	SPV.0060 Special 4080. Bearing High Load Multi-Rotational Guided	8.000 EACH	_____.	_____.
1430	SPV.0060 Special 4088. Bearings High-Load Multi-Rotational T-Guided UPRR	4.000 EACH	_____.	_____.
1432	SPV.0060 Special 4108. Bearings High-Load Multi-Rotational Non-Guided UPRR	4.000 EACH	_____.	_____.
1434	SPV.0060 Special 4128. Bearings High-Load Multi-Rotational L-Guided UPRR	4.000 EACH	_____.	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1436	SPV.0060 Special 4148. Thermal Integ Profiler (TIP) Testing, Drilled Foundation Shaft 59.06-Inch	4.000 EACH	_____.	_____.
1438	SPV.0060 Special 4168. Thermal Integrity Profiler (TIP) Testing, Wall Secant Pile 59.06-Inch	6.000 EACH	_____.	_____.
1440	SPV.0060 Special 4171. Crosshole Sonic Log (CSL) Testing, Drilled Foundation Shaft 59.06-Inch	4.000 EACH	_____.	_____.
1442	SPV.0060 Special 4172. Crosshole Sonic Log (CSL) Testing, Wall Secant Pile 59.06-Inch	72.000 EACH	_____.	_____.
1444	SPV.0060 Special 4173. Crosshole Sonic Log (CSL) Testing, Wall Tangent Pile 36-Inch	90.000 EACH	_____.	_____.
1446	SPV.0060 Special 4175. Tieback Anchors	677.000 EACH	_____.	_____.
1448	SPV.0060 Special 4180. Tieback Anchors Performance Tests	35.000 EACH	_____.	_____.
1450	SPV.0060 Special 4181. Pile Integrity Testing (PIT), Drilled Foundation Shaft 59.06-Inch	4.000 EACH	_____.	_____.
1452	SPV.0060 Special 4182. Pile Integrity Testing (PIT), Wall Secant Pile 59.06-Inch	6.000 EACH	_____.	_____.
1454	SPV.0060 Special 4185. Anchor Assemblies Noise Barrier Structures	204.000 EACH	_____.	_____.
1456	SPV.0060 Special 4190. Anchor Slab Inlet Cover Special	6.000 EACH	_____.	_____.
1458	SPV.0060 Special 4195. Fire Hydrant Sign Mounting	8.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1460	SPV.0060 Special 5100. Sanitary Manhole Type A 48-Inch	4.000 EACH	_____.	_____.
1462	SPV.0060 Special 5101. Sanitary Manhole Type A 60-Inch	2.000 EACH	_____.	_____.
1464	SPV.0060 Special 5102. Sanitary Manhole Type D	2.000 EACH	_____.	_____.
1466	SPV.0060 Special 5103. Abandoning Sanitary Manhole	5.000 EACH	_____.	_____.
1468	SPV.0060 Special 5104. Adjusting Sanitary Manhole	29.000 EACH	_____.	_____.
1470	SPV.0060 Special 5200. Adjusting Water Valve Boxes	19.000 EACH	_____.	_____.
1472	SPV.0060 Special 5210. Permanent Connection to Existing 6-Inch Water Main	8.000 EACH	_____.	_____.
1474	SPV.0060 Special 5211. Permanent Connection to Existing 8-Inch Water Main	7.000 EACH	_____.	_____.
1476	SPV.0060 Special 5212. Permanent Connection to Existing 12-Inch Water Main	2.000 EACH	_____.	_____.
1478	SPV.0060 Special 5213. Permanent Connection to Existing 16-Inch Water Main	2.000 EACH	_____.	_____.
1480	SPV.0060 Special 5214. Permanent Connection to Existing 24-Inch Water Main	4.000 EACH	_____.	_____.
1482	SPV.0060 Special 5260. Hydrant Assembly	13.000 EACH	_____.	_____.
1484	SPV.0060 Special 5265. Remove Hydrant	13.000 EACH	_____.	_____.
1486	SPV.0060 Special 5275. Polyethylene Water Service 1.25-Inch Length 0'-15'	2.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1488	SPV.0060 Special 5276. Polyethylene Water Service 1.25-Inch Length 15.1'-25'	6.000 EACH	_____.	_____.
1490	SPV.0060 Special 5277. Polyethylene Water Service 1.25-Inch Length 25.1'-45'	21.000 EACH	_____.	_____.
1492	SPV.0060 Special 5278. Polyethylene Water Service 1.5-Inch Length 15.1'-25'	1.000 EACH	_____.	_____.
1494	SPV.0060 Special 5279. Polyethylene Water Service 2-Inch Length 15.1'-25'	1.000 EACH	_____.	_____.
1496	SPV.0060 Special 5290. Resilient Wedge Gate Valve 6-Inch	1.000 EACH	_____.	_____.
1498	SPV.0060 Special 5291. Resilient Wedge Gate Valve 8-Inch	24.000 EACH	_____.	_____.
1500	SPV.0060 Special 5292. Resilient Wedge Gate Valve 12-Inch	2.000 EACH	_____.	_____.
1502	SPV.0060 Special 5293. Butterfly Valve 16-Inch	8.000 EACH	_____.	_____.
1504	SPV.0060 Special 5294. Butterfly Valve 24-Inch	3.000 EACH	_____.	_____.
1506	SPV.0060 Special 6001. Sign Support Special Mounting	28.000 EACH	_____.	_____.
1508	SPV.0060 Special 8004. Inlet Covers Type 57	1.000 EACH	_____.	_____.
1510	SPV.0060 Special 8007. Reconnect Storm Sewer Laterals	12.000 EACH	_____.	_____.
1512	SPV.0060 Special 8012. Manholes 9-FT Special	8.000 EACH	_____.	_____.
1514	SPV.0060 Special 8013. Manholes 10-FT Special	6.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1516	SPV.0060 Special 8014. Manholes 12-FT Special	2.000 EACH	_____.	_____.
1518	SPV.0060 Special 8015. Pipe Connection To Existing Structure	51.000 EACH	_____.	_____.
1520	SPV.0060 Special 8018. Removing Bulkhead	40.000 EACH	_____.	_____.
1522	SPV.0060 Special 8020. Fastening Sewer Access Covers	260.000 EACH	_____.	_____.
1524	SPV.0060 Special 8022. Sawing Concrete Barrier	2.000 EACH	_____.	_____.
1526	SPV.0060 Special 8050. Inlet Covers Type 27-M	169.000 EACH	_____.	_____.
1528	SPV.0060 Special 8065. Removing Cover Plates Left In Place	32.000 EACH	_____.	_____.
1530	SPV.0060 Special 8505. Storm Sewer Structure N2173	1.000 EACH	_____.	_____.
1532	SPV.0060 Special 8507. Storm Sewer Structure N2211	1.000 EACH	_____.	_____.
1534	SPV.0075 Special 0601. Pavement Cleanup Project 1060-33-84	5,000.000 HRS	_____.	_____.
1536	SPV.0075 Special 0602. Pavement Cleanup Project 1060-34-77	475.000 HRS	_____.	_____.
1538	SPV.0075 Special 4008. Obstructions Drilled Foundation Shaft	6.000 HRS	_____.	_____.
1540	SPV.0075 Special 4048. Obstructions Wall Secant Pile	36.000 HRS	_____.	_____.
1542	SPV.0075 Special 4050. Obstructions Wall Tangent Pile	5.000 HRS	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1544	SPV.0075 Special 4055. Obstructions Foundation Drilling	45.000 HRS	_____.	_____.
1546	SPV.0075 Special 5100. Obstructions Trenchless Utility Construction	24.000 HRS	_____.	_____.
1548	SPV.0090 Special 0001. Removing Concrete Barrier Precast	4,694.000 LF	_____.	_____.
1550	SPV.0090 Special 0002. Maintain and Remove Concrete Barrier Temporary Precast	7,930.000 LF	_____.	_____.
1552	SPV.0090 Special 0003. Removing Modular Block Retaining Wall	245.000 LF	_____.	_____.
1554	SPV.0090 Special 0004. Removing Partial Modular Block Retaining Wall	266.000 LF	_____.	_____.
1556	SPV.0090 Special 0101. Concrete Curb & Gutter 31-Inch Integral	861.000 LF	_____.	_____.
1558	SPV.0090 Special 0102. Concrete Gutter 42-Inch	130.000 LF	_____.	_____.
1560	SPV.0090 Special 0103. Concrete Gutter 66-Inch	71.000 LF	_____.	_____.
1562	SPV.0090 Special 0105. Concrete Barrier Type S42C Special	5,276.000 LF	_____.	_____.
1564	SPV.0090 Special 0110. Galvanized Pipe Railing	9.000 LF	_____.	_____.
1566	SPV.0090 Special 0126. Pipe Underdrain 6-Inch Special	46,965.000 LF	_____.	_____.
1568	SPV.0090 Special 0127. Pipe Underdrain 10-Inch Special	165.000 LF	_____.	_____.
1570	SPV.0090 Special 0301. Heavy Duty Silt Fence	3,114.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1572	SPV.0090 Special 0400. Marking Contrast Epoxy 4-Inch	9,757.000 LF	_____.	_____.
1574	SPV.0090 Special 0401. Marking Contrast Epoxy 8-Inch	8,895.000 LF	_____.	_____.
1576	SPV.0090 Special 0405. Remove Pavement Marking 12-Inch	96.000 LF	_____.	_____.
1578	SPV.0090 Special 0410. Remove Grooved In Pavement Marking Thermoplastic Stop Bar	438.000 LF	_____.	_____.
1580	SPV.0090 Special 0414. Remove Pavement Marking Grooved Tape 4-Inch	1,379.000 LF	_____.	_____.
1582	SPV.0090 Special 0415. Remove Pavement Marking Grooved Tape 8-Inch	1,868.000 LF	_____.	_____.
1584	SPV.0090 Special 0600. Salvage Temporary Precast Concrete Barrier Left in Place	1,400.000 LF	_____.	_____.
1586	SPV.0090 Special 0800. Remove and Dispose of UPRR Track	6,142.000 LF	_____.	_____.
1588	SPV.0090 Special 0805. Construct 136LB ISHH CWR on Wood Ties	6,159.000 LF	_____.	_____.
1590	SPV.0090 Special 0810. Construct Double Inside Guard Rail	660.000 LF	_____.	_____.
1592	SPV.0090 Special 0900. Fence Temporary 6-FT	8,775.000 LF	_____.	_____.
1594	SPV.0090 Special 0910. Glare Screens Temporary	11,450.000 LF	_____.	_____.
1596	SPV.0090 Special 0920. Concrete Barrier Temporary Precast Anchoring	2,400.000 LF	_____.	_____.



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Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1598	SPV.0090 Special 0925. Concrete Barrier Temporary Precast Anchored on Bridge	3,200.000 LF	_____.	_____.
1600	SPV.0090 Special 1001. Cable Aerial Aluminum 6 AWG Triplex	1,100.000 LF	_____.	_____.
1602	SPV.0090 Special 1002. Cable Aerial Aluminum 4 AWG Triplex	5,470.000 LF	_____.	_____.
1604	SPV.0090 Special 1003. Cable Aerial Aluminum 2 AWG Triplex	1,930.000 LF	_____.	_____.
1606	SPV.0090 Special 4008. Piling Steel HP 14-Inch X 89LB	1,500.000 LF	_____.	_____.
1608	SPV.0090 Special 4009. Piling Steel HP 14-Inch x 117 LB	1,500.000 LF	_____.	_____.
1610	SPV.0090 Special 4028. Drilled Foundation Shaft 59.06-Inch	211.000 LF	_____.	_____.
1612	SPV.0090 Special 4035. Foundation Drilling	14,370.000 LF	_____.	_____.
1614	SPV.0090 Special 4048. Wall Secant Pile 59.06- Inch	4,520.000 LF	_____.	_____.
1616	SPV.0090 Special 4050. Wall Tangent Pile 36-Inch	11,900.000 LF	_____.	_____.
1618	SPV.0090 Special 4068. Handrail B-40-878	295.000 LF	_____.	_____.
1620	SPV.0090 Special 4069. Handrail R-40-622	325.000 LF	_____.	_____.
1622	SPV.0090 Special 4088. Handrail Temporary	836.000 LF	_____.	_____.
1624	SPV.0090 Special 4100. Fence Decorative Bridge	560.000 LF	_____.	_____.
1626	SPV.0090 Special 4105. Fence Decorative Wall	1,929.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1628	SPV.0090 Special 4200. Removing Existing Steel Piling	1,005.000 LF	_____.	_____.
1630	SPV.0090 Special 4205. Removing Existing Timber Piling	255.000 LF	_____.	_____.
1632	SPV.0090 Special 5001. Removing Concrete Encased Duct Package	1,543.000 LF	_____.	_____.
1634	SPV.0090 Special 5002. Removing Concrete Encased 21-Inch Sewer	231.000 LF	_____.	_____.
1636	SPV.0090 Special 5101. Sanitary Sewer 8-Inch PVC	546.000 LF	_____.	_____.
1638	SPV.0090 Special 5102. Sanitary Sewer 10-Inch PVC	701.000 LF	_____.	_____.
1640	SPV.0090 Special 5103. Sanitary Sewer 21-Inch PVC	410.000 LF	_____.	_____.
1642	SPV.0090 Special 5104. Steel Casing W/ Sanitary Sewer 10-Inch PVC Carrier	317.000 LF	_____.	_____.
1644	SPV.0090 Special 5105. Abandoning Sanitary Sewer 8-Inch	1,723.000 LF	_____.	_____.
1646	SPV.0090 Special 5106. Abandoning Sanitary Sewer 18-Inch	30.000 LF	_____.	_____.
1648	SPV.0090 Special 5107. Abandoning Sanitary Sewer 21-Inch	1,052.000 LF	_____.	_____.
1650	SPV.0090 Special 5225. Ductile Iron (DI) AWWA C-151 Class 55 Water Main 6-Inch	53.000 LF	_____.	_____.
1652	SPV.0090 Special 5226. Ductile Iron (DI) AWWA C-151 Class 55 Water Main 8-Inch	3,341.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1654	SPV.0090 Special 5227. Ductile Iron (DI) AWWA C-151 Class 55 Water Main 12-Inch	132.000 LF	_____.	_____.
1656	SPV.0090 Special 5228. Ductile Iron (DI) AWWA C-151 Class 55 Water Main 16-Inch	2,050.000 LF	_____.	_____.
1658	SPV.0090 Special 5229. Ductile Iron (DI) AWWA C-151 Class 55 Water Main 24-Inch	351.000 LF	_____.	_____.
1660	SPV.0090 Special 5239. Removing Water Main	44.000 LF	_____.	_____.
1662	SPV.0090 Special 5250. Abandon Existing 6-Inch Water Main	2,125.000 LF	_____.	_____.
1664	SPV.0090 Special 5251. Abandon Existing 8-Inch Water Main	436.000 LF	_____.	_____.
1666	SPV.0090 Special 5252. Abandon Existing 12-Inch Water Main	469.000 LF	_____.	_____.
1668	SPV.0090 Special 5253. Abandon Existing 16-Inch Water Main	687.000 LF	_____.	_____.
1670	SPV.0090 Special 8025. Pipe Underdrain Exploration	100.000 LF	_____.	_____.
1672	SPV.0090 Special 8026. Storm Sewer Lateral Exploration	100.000 LF	_____.	_____.
1674	SPV.0090 Special 8031. Precast Trench Drain	1,541.000 LF	_____.	_____.
1676	SPV.0090 Special 8036. Temporary Precast Trench Drain	2,355.000 LF	_____.	_____.
1678	SPV.0105 Special 0604. Survey Project 1060-33-84	LS	LUMP SUM	_____.
1680	SPV.0105 Special 0605. Survey Project 1060-34-77	LS	LUMP SUM	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1682	SPV.0105 Special 1001. Maintenance of Lighting Systems	LS	LUMP SUM	_____.
1684	SPV.0105 Special 1002. Lighting System Integrator	LS	LUMP SUM	_____.
1686	SPV.0105 Special 1003. Lighting System Survey	LS	LUMP SUM	_____.
1688	SPV.0105 Special 3001. Trans and Inst State Furn Traffic Signal Cab IH 41 SB Ramps & W. North Ave	LS	LUMP SUM	_____.
1690	SPV.0105 Special 3002. Transport & Inst State Furn Traffic Sig Cab IH 41 NB on Ramp & W North Ave	LS	LUMP SUM	_____.
1692	SPV.0105 Special 3003. Trans & Inst State Furn Emer Vehicle Preemp (EVP) Dete Heads W/ Con Beacon	LS	LUMP SUM	_____.
1694	SPV.0105 Special 3004. Trans & Inst State Furn Emer Vehicle Preemp (EVP) Dete Heads W/ Con Beacon	LS	LUMP SUM	_____.
1696	SPV.0105 Special 3005. Trans and Inst State Furn FO Cable PT 8-CT IH 41 SB on Ramp & W. North Ave	LS	LUMP SUM	_____.
1698	SPV.0105 Special 3006. Trans and Inst State Furn FO Cable PT 8-CT IH 41 NB on Ramp & W. North Ave	LS	LUMP SUM	_____.
1700	SPV.0105 Special 3101. Transport and Install State Furnished Municipal Traffic Signal Cabinet	LS	LUMP SUM	_____.
1702	SPV.0105 Special 3102. Video Vehicle Detection System	LS	LUMP SUM	_____.
1704	SPV.0105 Special 4008. Trial Wall Panel Secant Pile 59.06-Inch	LS	LUMP SUM	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1706	SPV.0105 Special 4010. Trial Wall Panel Tangent Pile 36-Inch	LS	LUMP SUM	_____.
1708	SPV.0105 Special 4015. Track, Shoring, and Existing Structure Monitoring UPRR	LS	LUMP SUM	_____.
1710	SPV.0105 Special 5245. Control of Water	LS	LUMP SUM	_____.
1712	SPV.0105 Special 6001. Rectangular Rapid Flash Beacon (RRFB) System Station 730+00 NOG Right	LS	LUMP SUM	_____.
1714	SPV.0105 Special 6002. Rectangular Rapid Flash Beacon (RRFB) System Station 734+00 NOB Right	LS	LUMP SUM	_____.
1716	SPV.0105 Special 6003. Rectangular Rapid Flash Beacon (RRFB) System Station 734+00 NOB Left	LS	LUMP SUM	_____.
1718	SPV.0105 Special 6004. Rectangular Rapid Flash Beacon (RRFB) System Station 726+00 NOB Right	LS	LUMP SUM	_____.
1720	SPV.0105 Special 6005. Rectangular Rapid Flash Beacon (RRFB) System Station 725+50 NOG Right	LS	LUMP SUM	_____.
1722	SPV.0105 Special 6006. Rectangular Rapid Flash Beacon (RRFB) System Station 725+50 NOG Left	LS	LUMP SUM	_____.
1724	SPV.0105 Special 6007. Rectangular Rapid Flash Beacon (RRFB) System Station 732+00 NOA Right	LS	LUMP SUM	_____.
1726	SPV.0105 Special 6008. Rectangular Rapid Flash Beacon (RRFB) System Station 732+00 NOA Left	LS	LUMP SUM	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1728	SPV.0105 Special 6009. Rectangular Rapid Flash Beacon (RRFB) System Station 122+50NO Right	LS	LUMP SUM	_____.
1730	SPV.0105 Special 6010. Rectangular Rapid Flash Beacon (RRFB) System Station 738+00 NOC Right	LS	LUMP SUM	_____.
1732	SPV.0105 Special 6011. Rectangular Rapid Flash Beacon (RRFB) System Station 738+00 NOC Left	LS	LUMP SUM	_____.
1734	SPV.0105 Special 6020. Chevron Solar Powered Sign System Assembly Ramp MA	LS	LUMP SUM	_____.
1736	SPV.0105 Special 6021. Chevron Solar Powered Sign System Assembly Ramp NOB	LS	LUMP SUM	_____.
1738	SPV.0105 Special 6022. Chevron Solar Powered Sign System Assembly Ramp NOG	LS	LUMP SUM	_____.
1740	SPV.0105 Special 8098. Control of Water Storm Sewer	LS	LUMP SUM	_____.
1742	SPV.0110 Special 4001. Timber Lagging	149.000 MBM	_____.	_____.
1744	SPV.0135 Special 0100. Field Office Special	45.000 MON	_____.	_____.
1746	SPV.0135 Special 0601. Vibration Monitoring	32.000 MON	_____.	_____.
1748	SPV.0165 Special 4005. Temporary Wall Wire Faced Mechanically Stabilized Earth	4,270.000 SF	_____.	_____.
1750	SPV.0165 Special 4010. Prestressed Precast Concrete Wall Panel R-40-567	21,770.000 SF	_____.	_____.
1752	SPV.0165 Special 4015. Geocomposite Drain Board	43,930.000 SF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1754	SPV.0165 Special 4020. Concrete Staining Previously Constructed Structure	54,455.000 SF	_____.	_____.
1756	SPV.0165 Special 4028. Temporary Shoring Railroad Type A	5,886.000 SF	_____.	_____.
1758	SPV.0165 Special 4048. Temporary Shoring Railroad Type B	120.000 SF	_____.	_____.
1760	SPV.0165 Special 4060. Temporary Shoring Railroad Type CP	330.000 SF	_____.	_____.
1762	SPV.0165 Special 4069. Precast Concrete Modular Retaining Wall	3,340.000 SF	_____.	_____.
1764	SPV.0165 Special 4088. Precast Concrete Modular Wingwall	749.000 SF	_____.	_____.
1766	SPV.0165 Special 4090. Geocomposite Wall Drain	1,120.000 SF	_____.	_____.
1768	SPV.0165 Special 4100. Wall Concrete Panel Mechanically Stabilized Earth R-40-561	9,290.000 SF	_____.	_____.
1770	SPV.0165 Special 4101. Wall Concrete Panel Mechanically Stabilized Earth R-40-564	5,013.000 SF	_____.	_____.
1772	SPV.0165 Special 4102. Wall Concrete Panel Mechanically Stabilized Earth R-40-568	1,075.000 SF	_____.	_____.
1774	SPV.0165 Special 4103. Wall Concrete Panel Mechanically Stabilized Earth R-40-569	4,295.000 SF	_____.	_____.
1776	SPV.0165 Special 4104. Wall Concrete Panel Mechanically Stabilized Earth R-40-570	13,240.000 SF	_____.	_____.
1778	SPV.0165 Special 4105. Wall Concrete Panel Mechanically Stabilized Earth R-40-572	1,142.000 SF	_____.	_____.



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Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
 Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1780	SPV.0165 Special 4106. Wall Concrete Panel Mechanically Stabilized Earth R-40-632	2,640.000 SF	_____.	_____.
1782	SPV.0165 Special 4107. Wall Concrete Panel Mechanically Stabilized Earth R-40-635	2,846.000 SF	_____.	_____.
1784	SPV.0180 Special 0101. Concrete Pavement 12-Inch Special	186,659.000 SY	_____.	_____.
1786	SPV.0180 Special 0102. Concrete Pavement HES 12-Inch Special	1,701.000 SY	_____.	_____.
1788	SPV.0180 Special 0103. Concrete Pavement 10-Inch Special	35,206.000 SY	_____.	_____.
1790	SPV.0180 Special 0105. Resin Binder High Friction Surface Treatment	2,757.000 SY	_____.	_____.
1792	SPV.0180 Special 0110. Pesticide Application	43,200.000 SY	_____.	_____.
1794	SPV.0180 Special 0301. Topsoil Special	176,099.000 SY	_____.	_____.
1796	SPV.0180 Special 0601. Soil Drying	68,000.000 SY	_____.	_____.
1798	SPV.0180 Special 0603. Concrete Pavement Repair Special	85.000 SY	_____.	_____.
1800	SPV.0180 Special 0604. Asphaltic Material Binder	8,074.000 SY	_____.	_____.
1802	SPV.0180 Special 4008. Membrane Waterproofing	2,050.000 SY	_____.	_____.
1804	SPV.0180 Special 4048. Asphalt Panels	3,617.000 SY	_____.	_____.
1806	SPV.0195 Special 0001. Fly Ash Stabilization	4,290.000 TON	_____.	_____.
1808	SPV.0195 Special 0002. Riprap Reach D Stone	2,000.000 TON	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1810	SPV.0195 Special 0004. Excavation, Hauling, and Disposal of Low-Level Contaminated Soil	39,449.000 TON	_____.	_____.
1812	SPV.0195 Special 0010. Base Aggregate Dense 1 1/4-Inch Restoration	4,700.000 TON	_____.	_____.
1814	SPV.0195 Special 0015. Stone No. 2 Special	640.000 TON	_____.	_____.
1816	SPV.0195 Special 0020. HMA Longitudinal Joint Repair	500.000 TON	_____.	_____.
1818	SPV.0195 Special 0601. Soil Drying Agent	1,500.000 TON	_____.	_____.
1820	SPV.0195 Special 4008. Base Aggregate Open Graded Special	9,530.000 TON	_____.	_____.
1822	SPV.0195 Special 4029. Backfill Modular Retaining Wall	2,900.000 TON	_____.	_____.
1824	SPV.0195 Special 5001. Removing Wood Poles UPRR	6.000 TON	_____.	_____.
1826	SPV.0035 Special 0004. Clay Cap	6,300.000 CY	_____.	_____.
1828	SPV.0060 Special 1010. Lighting Pull Boxes Wauwatosa 17-Inch x 30-Inch	12.000 EACH	_____.	_____.
1830	SPV.0060 Special 1011. Lighting Pull Boxes Wauwatosa 24-Inch x 36-Inch	2.000 EACH	_____.	_____.
1832	SPV.0060 Special 1012. 23-FT Standard Concrete Light Poles and Arms	13.000 EACH	_____.	_____.
1834	SPV.0060 Special 1013. Lighting Control Cabinet 240/480 - Wauwatosa	2.000 EACH	_____.	_____.
1836	SPV.0060 Special 1014. Luminaires Utility LED A (30K)	16.000 EACH	_____.	_____.



Proposal Schedule of Items

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Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1838	SPV.0060 Special 1015. Luminaires Utility LED C (30K)	19.000 EACH	_____.	_____.
1840	SPV.0090 Special 1004. Polyethylene Duct 1 1/4-Inch	950.000 LF	_____.	_____.
	Section: 0001		Total:	_____.
			Total Bid:	_____.

