



# Wisconsin Department of Transportation

February 8, 2023

## Division of Transportation Systems Development

Bureau of Project Development  
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### NOTICE TO ALL CONTRACTORS:

**Proposal #15: 1100-45-70, WISC2023222**  
**IH 41 Airport Freeway**  
**84th Street to 35th Street (Mainline)**  
**IH 41**  
**Milwaukee County**

**1100-46-71, WISC2023223**  
**IH 41 Airport Freeway**  
**STH 36 (Loomis Rd) Bridge**  
**IH 41**  
**Milwaukee County**

### Letting of February 14, 2023

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

#### Special Provisions:

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
5	Lane Rental Fee Assessment
6	Holiday and Special Event Work Restrictions
7	Utilities
27	Traffic Meetings and Traffic Control Scheduling
37	Removing Distribution Center, Item 204.9060.S.101
38	Removing Lighting Units, Item 204.9060.S.102
64	Structure Repainting Recycled Abrasive B-40-197, Item 517.1801.400; Structure Repainting Recycled Abrasive B-40-198, Item 517.1801.401
138	Concrete Channel Lining Repair, Item SPV.0060.403

Added Special Provisions	
Article No.	Description
178	Pipe Grates, 42-Inch, Item 611.9800.S.001; Pipe Grates, 84-Inch, Item 611.9800.S.002
179	Traffic Control Close-Open Freeway to Freeway System Ramp, Item SPV.0060.032
180	Sanitary Manhole Internal/External Seal, Item SPV.0060.503

Deleted Special Provisions	
Article No.	Description
39	Removing Luminaires, Item 204.9060.S.104
70	Pipe Grates, Item 611.9800.S

**Schedule of Items:**

<b>Revised Bid Item Quantities</b>					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
643.0300	Traffic Control Drums	DAY	189,579	98,427	288,006
643.0420	Traffic Control Barricades Type III	DAY	19,829	18,730	38,559
643.0705	Traffic Control Warning Lights Type A	DAY	36,191	37,458	73,649
643.0715	Traffic Control Warning Lights Type C	DAY	42,622	29,053	71,675
643.0800	Traffic Control Arrow Boards	DAY	1,903	658	2,561
643.0900	Traffic Control Signs	DAY	127,985	32,612	160,597
643.1050	Traffic Control Signs PCMS	DAY	2,545	250	2,795
643.4100	Traffic Control Interim Lane Closure	EACH	706	90	796
659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	51	225	276
SPV.0060.501	Water Main Protection	EACH	5	10	15

<b>Added Bid Item Quantities</b>					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Quantity Added	Proposal Total After Addendum
611.9800.S.001	Pipe Grates, 42-Inch	EACH	0	1	1
611.9800.S.002	Pipe Grates, 84-Inch	EACH	0	1	1
SPV.0060.032	Traffic Control Close-Open Freeway to Freeway System Ramp	EACH	0	250	250

<b>Deleted Bid Item Quantities</b>					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
204.9060.S.104	Removing Luminaires	EACH	225	-225	0
611.9800.S	Pipe Grates	EACH	2	-2	0

**Plan Sheets:**

<b>Revised Plan Sheets – ID 1100-45-70</b>	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
385	Miscellaneous Quantities (Added Water Main Protection item quantities)
436-444	Miscellaneous Quantities – Lighting (Revised quantities)
474-477	Miscellaneous Quantities – Traffic Control (Added Traffic Control Close-Open Freeway to Freeway System Ramp item quantities, added IH 41 NB Ramp and Ramp NW Detour quantities, and revised traffic control quantities)
539	SDD Concrete Barrier Temporary Precast, 12'-6" (Added specific information about drilling pilot holes)
706	Structure B-40-321 Cross Section and Quantities (Revised quantities)

<b>Revised Plan Sheets – ID 1100-46-71</b>	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
15	Construction Details (Updated Project Number)

<b>Added Plan Sheets – 1100-45-70</b>	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
79A	Construction Detail – Water Main Protection (Required for storm sewer construction near water mains)
304A-304G	Traffic Control – Nighttime Closure Details (Required for freeway nighttime closures)
335A-335B	Detour – IH 43 NB Ramp (Required for freeway nighttime closures) Detour – Ramp NW (Required for freeway nighttime closures)
625A	SDD Traffic Control, System Ramp Closure (Required for freeway nighttime closures)

<b>Added Plan Sheets 1100-46-71</b>	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
140A-B	Traffic Control – Full Closure Detail (Required for closure of STH 36/Loomis Road)

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

Sincerely,

*Mike Coleman*

Proposal Development Specialist  
Proposal Management Section

**ADDENDUM NO. 01**  
**1100-45-70, 1100-46-71**  
**February 8, 2023**

**Special Provisions**

**3. Prosecution and Progress.**

*Replace entire section titled Freeway and Ramp Work Restrictions:*

**Freeway and Ramp Work Restrictions**

**Definitions**

The following definitions apply to this contract for freeway work restrictions

**System Ramps**                      **Freeway to freeway ramps**

**Service Ramps**                    **Freeway to/from local road ramps**

**Weekday Peak Hours**

5:30 AM – 9:30 PM      Monday, Tuesday, Wednesday, Thursday

5:30 AM – 11:00 PM    Friday

**Weekend Peak Hours**

8:00 AM – 11:00 PM    Saturday

8:00 AM – 9:30 PM      Sunday

**Nighttime and System Ramp Closure Hours**

9:30 PM – 5:30 AM      Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM

11:00 PM – 8:00 AM     Friday PM to Saturday AM, Saturday PM to Sunday AM

**Full Freeway Closure Hours**

11:00 PM – 4:30 AM     Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM

11:00 PM – 6:00 AM     Friday PM to Saturday AM, Saturday PM to Sunday AM

**Service Ramp Closure Hours**

9:00 PM – 6:00 AM      Sunday PM to Monday AM, Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM

10:30 PM – 8:30 AM     Friday PM to Saturday AM, Saturday PM to Sunday AM

Do not close freeway lanes or shoulders and ensure that the freeways are entirely clear of traffic during Weekday Peak Hours and Weekend Peak Hours, except as shown in the traffic control plans. Provide a minimum of one lane in each direction of the freeway that is entirely clear for traffic during Nighttime Hours except as allowed during full closure. Close service ramps only during Service Ramp Closure Hours, unless otherwise specified in the plan, or unless otherwise approved by the engineer for safety or operational reasons associated with other adjacent lane or freeway closures.

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Follow plan details for closures. Lane restrictions of the freeway beyond that shown on the traffic control plans are subject to lane rental fee assessments and must be approved by the engineer. If plan details are not provided in the traffic control plan, furnish plans for review by the engineer. Once approved, allow at least three business days prior to the closure of roadway, lane, and ramp as identified in Contractor Coordination.

Obtain prior acceptance from the engineer for Ramp Closures. Long-term ramp closures shown on the traffic control plans shall be posted 10 business days in advance of their closure with dates and time of closure. Post all short-term entrance and exit ramps three business days in advance of their closure with dates and time of closure.

No two consecutive entrance ramps or consecutive exit ramps may be closed unless it is approved by the engineer.

Full closure and detouring of freeway roads will be restricted to Full Freeway Closure Hours unless otherwise specified. The freeway may be closed to facilitate the removal of full span sign structures, erection of full span sign structures, removal of structures, erection of girders, and other work approved by the engineer. Provide signed detour routes, as shown in the plans, fully open and free of construction during all full freeway and system ramp closures.

*Add the following under subsection titled **Definitions** under section titled **Local Road Work Restrictions**:*

The following definitions apply to this contract for WIS 36/Loomis Road closure restrictions:

**Single Lane Closure**

Mon-Thur PM: 8:00 PM – 6:00 AM

Fri PM: 9:00 PM – 11:00 AM

Sat PM: 9:00 PM – 11:00 AM

Sun PM: 9:00 PM – 6:00 AM

**5. Lane Rental Fee Assessment.**

*Add the following to the bulleted list of Lane Rental Fee Assessments after the third main bullet:*

- System Ramp - \$1,000 per ramp, per hour broken into 15-minute increments

**6. Holiday and Special Event Work Restrictions.**

*Replace the entire section titled **Freeway Special Event Restrictions** with the following:*

During Summerfest, June 22-24, June 29-July 1, and July 6-8, 2023, maintain one open lane on IH 41/43/894 until one hour after the event closes each night.

During the Wisconsin State Fair, August 3 to August 13, 2023, maintain one open lane on IH 41/43/894 until one hour after the event closes each night.

During the Harley-Davidson Homecoming Anniversary, July 13-16, 2023, on or near 60<sup>th</sup> Street and Layton Avenue, maintain two open lanes on IH 41/43/894 until one hour after the event closes each night.

**7. Utilities**

*Replace the entire section titled **Project 1100-46-71** with the following:*

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## **Project 1100-46-71**

Underground and overhead utility facilities are located within the project limits. Utility adjustments are required for this project as noted below. Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area, as required per statutes. Use caution to ensure the integrity of underground facilities and maintain code clearances from overhead facilities.

Some of the utility work described below is dependent on prior work being performed by the contractor at a specific site. In such situations, provide the engineer and the affected utility a good faith notice of when the utility is to start work at the site. Provide this notice 14 to 16 calendar days in advance of when the prior work will be completed, and the site will be available to the utility owner. Follow-up with a confirmation notice to the engineer and the utility owner not less than three working days before the site will be ready for the utility owner to begin its work.

Contact each utility company listed in the plans, prior to preparing bids, to obtain current information on the status of existing and any new utility relocation work. The location of utility installations as described in this article are approximate.

The following utility owners have facilities in the project area: They will relocate their facilities prior to or during construction.

**AT&T Wisconsin** has both underground and overhead facilities and proposes the following relocation and removals, prior construction.

AT&T to remove pedestal and pole at STA 95+75,53 RT

AT&T to remove pedestal at STA 93+87,53 RT

AT&T to remove Overhead cable from pole at STA 95+75,53 RT to pole at STA 96+02, 104 RT

AT&T to remove all overhead cable from pole at STA 97+49, 52 RT to pole at STA 92+34,87 RT

AT&T to discontinue buried 100 pair cable from STA 97+49, 52 RT to STA 92+34,87 RT

AT&T proposes to bore new 4-inch inner duct from pedestal at STA 97+49,52 RT to joint use duct at STA 94+75 71.5 RT 2 feet off proposed R/W line at a minimum depth of 7 feet to avoid new storm sewer.

Contact for the AT&T Wisconsin is Nathan Gibert (262-720-8235)

**City of Greenfield – Sewer** has existing facilities within the project limits.

The installation of internal/external sanitary manhole seals are included with the project. The two manhole locations are:

- 96+03, 40' RT (MH ID 10-070)
- 96+03, 43.5' LT (MH ID 10-068)

Three additional sanitary manholes will be abandoned as well as the 8" diameter sanitary sewer pipes connecting the manholes. The three manhole locations are:

- 92+50, 53' LT (MH ID 10-075)
- 92+62, 40' RT (MH ID 10-077)
- 93+54, 39' RT (MH ID 10-078)

A new sanitary manhole will be installed within the cul du sac of the S. 43rd St Service Dr and the 3 sanitary manholes and 8" diameter sanitary sewer pipe upstream from this location will be abandoned. Work will be performed by a utility contractor under contract with the City of Greenfield. Abandonment will follow specifications in the Standard Specifications for Sewer & Water Construction in Wisconsin, latest edition and Section 204 of the Wisconsin Department of Transportation Standard Specifications for Highway and

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Structure Condition, latest edition. This work may have to be performed in stages depending on the project traffic staging.

Contact for the City of Greenfield is Jeff Katz at (414) 939-8322.

### **City of Milwaukee – Water (manhole adjustments and water main protection)**

City of Milwaukee - Water has existing facilities within the project limits.

Construct, reconstruct, relocate, remove, City of Milwaukee - Water as shown in the plans and in the bid items for this project.

Hydrant at approximately station 85+00, 37' LT conflicts with the proposed curb. Hydrant will be altered to avoid conflict with proposed curb and sidewalk. Proposed hydrant will be approximately at station 85+00 at proposed back of walk.

Hydrant at approximately station 93+00, 32' LT conflicts with the proposed curb. Hydrant will be altered to avoid conflict with proposed curb and sidewalk. Proposed hydrant will be approximately at station 91+40 at proposed back of walk.

Valves boxes may need to be adjusted after paving.

Contact for City of Milwaukee is MWW Control Center at (414) 286-3710

**Everstream** has a handhole in conflict near Sta 95+73 NB, 57.3' RT. Everstream plans to relocate their HH to near Sta 95+70 NB, 74.6' RT, oriented where edge is parallel to future sidewalk. The fiber cable and conduit from the existing handhole location will be moved to the proposed location. Additionally, Everstream will pothole their existing fiber optic facilities from near Sta 95+73 NB to near Sta 97+00 NB to verify that their existing depth will not impact the new access road or the proposed storm sewer between Sta 97+03 NB, 33.7' RT to Sta 96+54 NB, 66.7' RT. Notify Everstream 14 days in advance to coordinate locations and any excavation near their facilities. Everstream needs 5 working days to complete their work.

Contact for Everstream is Shad Garcia at (414) 409-1708.

**Level 3** has both underground and overhead facilities and proposes the following relocation, prior to construction. Bury fiber from intersection of 43 St and 43 St bury fiber along N side of S 43 St to Loomis Rd thence North along Loomis Rd to St 99+34, Bore Loomis Rd to Pole on South Side of Loomis Rd, remove aerial fiber that crosses Loomis Rd near St 93+90 all the way to St 99+34.

Contact for Level 3 is Brahim Gaddour at (414) 908-1027

**Spectrum Communications** has both underground and overhead facilities and proposes the following relocation, prior to construction. Spectrum will use joint conduit with we energies from station 92+56, 71' RT to 94+75, 71.5' RT as per we energies relocation plan. Spectrum will bore from Station 94+75, 71.5 RT to 96+75, 66' RT and 96+78, 60' RT to 97+53, 58' RT.

Contact for Charter Communications is Beau Abuya at (414) 758-9241

**T-Mobile Central LIC** has leased cable from Everstream. Everstream relocation covers any reaction needs to be done for T-Mobile.

Contact for T-Mobile is George Myers at (316) 377-0101

**WE Energies – Electric** has electric facilities housed in a 6-4" duct package attached to the underside of the existing bridge B-40-198 that contains transite. The duct, which likely contains asbestos, will be removed during this contract, but prior to bridge demolition. The facilities will be removed by a licensed environmental contract, Balestrieri. The following is outlined in the work plan:

- The contractor shall notify WE Energies Jacob Schoenung at (414) 416-3365 a minimum of 14 days prior to the start of construction. This notification must include the name of the demolition sub-contractor, if applicable. WE Energies will provide the Wisconsin DNR with a 14-day notification, as required in the permit for asbestos removal.
  - The contractor shall coordinate with WE Energies for required traffic control devices.
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- WE Energies' environmental contractor will require access to the project site for a minimum of 6 days, starting from the time the traffic control is set up, to remove the facilities. WE Energies' environmental contractor will coordinate with the contractor in cases where other work can be done in conjunction with facilities removal.

Above and underground electric facilities are located within the construction limits; however, no adjustments are anticipated. It is imperative that the contractor contact WE Energies before removing any electrical underground cables, to verify that they have been discontinued and carry no electrical current. The contractor must not assume that unmarked facilities have been discontinued. At no time is it acceptable to push, pull, cut, or drill an unmarked facility without explicit consent from WE Energies. The contractor must call the 24-hour WE Energies Electrical Dispatch line at 1-800-662-4797 to arrange for this verification.

Contact for WE Energies – Electric is Dan Bandor at (262) 884-6718.

The following utilities have facilities within the construction limits; however, no adjustments are anticipated:

**AT&T Legacy**

**ATC Management, Inc**

**Midwest Fiber Networks, LLC.**

**Verizon Wireless**

**WE Energies – Gas** has facilities located in the project area. It is imperative that the contractor contact WE Energies before removing any gas facilities, to verify that they have been discontinued and carry no natural gas. The contractor must not assume that unmarked facilities have been discontinued. At no time is it acceptable to push, pull, cut, or drill an unmarked facility without explicit consent from WE Energies. The contractor must call the 24-hour WE Energies Gas Dispatch line at 1-800-261-5325 to arrange for this verification, gas valve box adjustments.

Contact the 24-hour WE Energies Gas Dispatch line at 1-800-261-5325 for gas emergencies.

## **27. Traffic Meetings and Traffic Control Scheduling.**

*Replace the entire article text with the following:*

Every Wednesday by 9:00 AM, submit a detailed proposed 2-week look-ahead traffic closure schedule to the engineer. Type the detailed proposed 2-week look-ahead closure schedule into an excel spreadsheet provided by the engineer. Enter information such as closure dates, duration, work causing the closure and detours to be used. Also enter information such as ongoing long-term closures, emergency contacts and general 2-month look-ahead closure information into the excel spreadsheet.

Meet with the engineer between 10:00 AM – 11:30 AM on Wednesdays at the Zoo Interchange North Leg project office on 2515 N. 124th Street; Brookfield to discuss and answer questions on the proposed schedule. Edit, delete and add closures to the detailed proposed 2-week look-ahead schedule, as directed by the engineer, so that proposed closures meet specification requirements. Other edits, deletions or additions unrelated to meeting specification requirements may also be agreed upon with the engineer during the 10:00 AM meeting.

Every Wednesday at 2:00 PM, or as scheduled by the engineer, attend a weekly traffic meeting. The meeting will bring local agencies, project stakeholders, owner managers, owner engineers, contractors, document control and construction engineering personnel together to discuss traffic staging, closures and general impacts. Upon obtaining feedback from the meeting attendees, edit, delete and add information to the detailed 2-week look-ahead closure schedule, as needed. Submit the revised 2-week look-ahead to the engineer.



**37. Removing Distribution Center, Item 204.9060.S.101.**

*Replace entire section titled E Payment with the following:*

**E Payment**

*Add the following to standard spec 204.5:*

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.101	Removing Distribution Center	EACH

Payment is full compensation for removal of the distribution center, electrical service pedestal, and for utility coordination for the services.

The department will pay separately for the removal and packaging of lamp, ballast, LEDs, and mercury containing switches located in an existing lighting distribution center.

**38. Removing Lighting Units, Item 204.9060.S.102.**

*Replace entire section titled A Description with the following:*

**A Description**

This special provision describes the removing lighting units as shown on the plans, according to the pertinent provisions of standard spec 204, and hereinafter provided.

**39. Deleted**

**64. Structure Repainting Recycled Abrasive B-40-196, Item 517.1801.S.400;  
Structure Repainting Recycled Abrasive B-40-197, Item 517.1801.S.401.**

*Replace paragraph two under section titled B.1 Coating System with the following:*

The color of the primer must be such that a definite contrast between it and the color of the blasted steel is readily apparent. There shall be a color contrast between all subsequent coats for the paint system selected. Submit color samples of the primer and all coats to the engineer for approval before any application of any paint.

*Replace paragraph one under section titled C.1 Surface Preparation with the following:*

Before abrasive blasting, grind the accessible edges on the bottom flange of the main girders to a radius of 1/16" (+1/16") or a 1/16" (+1/16") chamfer. Ensure all edges are smooth. Solvent clean all surfaces to be coated according to SSPC-SP1.

*Replace paragraph three under section titled C.1 Surface Preparation with the following:*

Upon completion of surface preparation, test representative surfaces which shall include locations in each span, both on edge and interior girders, for the presence of residual chloride. Perform Surface Contamination Tests (SCAT) according to the manufacturer's recommendations. The tests must be witnessed by the engineer. If chlorides are detected at levels greater than  $1.6 \times 10^{-6}$  oz/in<sup>2</sup> (7ug/cm<sup>2</sup>), continue to clean the affected areas until results are below the specified limit. Submit anticipated testing frequencies and chloride remediation methods to the Engineer for review and approval.

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Replace the paragraph four under section titled **C.2 Coating Application** with the following:

After the inspector approves the entire cleaned surface to be coated, apply a prime coat uniformly to the entire surface. Either before or after applying the prime coat, brush or spray a stripe coat of primer on all flange edges, plate edges, bolt heads, nuts, and washers. Apply succeeding coats as the product data sheet shows.

Add the following section:

### **C.3 Quality Control**

#### **C.3.1 Quality Control Plan**

Submit a Quality Control Plan to the Engineer for review and acceptance 14 days prior to the preconstruction conference.

The quality control plan shall include the following:

Contractor/Personnel Qualifications. Steel bridge painting contractors shall be SSPC-QP1 and SSPC-QP2 accredited, or currently enrolled in the SSPC-QP7, Painting Contractor Introductory Program, Category 2. Provide Contractor qualifications and the names and qualifications/experience/training/certifications of the personnel managing and implementing the Quality Control program and conducting the quality control tests.

Quality Control (QC) Program. The QC Program shall identify the following; the instrumentation that will be used, a schedule of required measurements and observations, procedures for correcting unacceptable work, and procedures for improving surface preparation and painting quality as a result of quality control findings. The program shall incorporate at a minimum, a report of daily QC Inspections.

Inspection Access Plan. The inspection access plan for use by Contractor QC personnel for ongoing inspections and by the Engineer during Quality Assurance (QA) observations.

Surface Preparation/Painting Plan. The surface preparation/painting plan shall include the methods of surface preparation and type of equipment to be utilized for washing, hand/power tool cleaning, removal of rust, mill scale, paint or foreign matter, abrasive blast or water jetting, and remediation of chloride. If detergents, additives, or inhibitors are incorporated into the water, the Contractor shall include the names of the materials and Safety Data Sheets (SDS). The Contractor shall identify the solvents proposed for solvent cleaning together with SDS.

The plan shall also include the methods of coating application and equipment to be utilized.

Identify inspection hold points. At minimum include the following hold points:

Completion of Surface Preparation

Surface conditions prior to application of each coat

Post Coating Application

Development of punch list.

Final Inspection

Abrasives. Abrasives to be used for abrasive blast cleaning, including SDS. For expendable abrasives, the Contractor shall provide certification from the abrasive supplier that the abrasive meets the requirements of SSPC-AB1. For steel grit abrasives, the certification shall indicate that the abrasive meets the requirements of SSPC-AB3.

Protective Coverings. Plan for containing or controlling paint debris (droplets, spills, overspray, etc.), including any tarpaulins or protective coverings proposed for use. For submittal requirements involving the containment used to remove lead paint, the Contractor shall refer to Special Provision article for Negative Pressure Containment and Collection of Waste Materials, Item 517.4501.S.

#### **C.3.2 Contractor Qualifications.**

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The personnel managing the Contractor's QC Program shall possess a minimum classification of Society of Protective Coatings (SSPC) BCI certified, National Association of Corrosion Engineers (NACE) Coating Inspector Level 2 - Certified, and shall provide evidence of successful inspection of 3 bridge projects of similar or greater complexity and scope that have been completed in the last 2 years. Copies of the certification and experience shall be provided. References for experience shall be provided and shall include the name, address, and telephone number of a contact person employed by the bridge owner.

The personnel performing the QC tests shall be trained in coatings inspection and the use of the testing instruments. Documentation of training shall be provided. The Contractor shall not replace the QC personnel assigned to the project without advance notice to the Engineer, and acceptance of the replacement(s), by the Engineer.

### **C.3.3 Quality Control (QC) Inspections.**

The Contractor shall perform first line, in process QC inspections. The Contractor shall implement the submitted and accepted QC Program to ensure that the work accomplished complies with these specifications. The designated Quality Control inspector shall be onsite full time during any operations that affect the quality of the coating system (e.g., surface preparation and chloride remediation, coating mixing and application, and evaluations between coats and upon project completion). Completed daily inspection reports shall be turned into the Engineer before work resumes the following day. The Engineer or designated representative will sign the report. The signature is an acknowledgment that the report has been received, but should not be construed as an agreement that any of the information documented therein is accurate.

Contractor QC inspections and daily inspection reporting shall include, but not be limited to the following:

1. Suitability of protective coverings and the means employed to control project debris and paint spills, overspray, etc.
2. Ambient conditions (temperature, substrate surface temperature, relative humidity, dewpoint, wind)
3. Surface preparation (solvent cleaning, pressure washing including chalk tests, hand/power tool or abrasive blast cleaning, etc.)
4. Chloride remediation
5. Coating application (specified materials, mixing, thinning, and wet/dry film thickness)
6. Recoat times and cleanliness between coats
7. Coating continuity and coverage (freedom from runs, sags, overspray, dryspray, pinholes, shadow-through, skips, misses, etc.)

The QC personnel shall not perform hands on surface preparation or painting activities. Painters shall perform wet film thickness measurements, with QC personnel conducting random spot checks of the wet film.

The Contractor shall supply all necessary equipment with current calibration certifications to perform the QC inspections. Equipment shall include the following at a minimum:

1. Sling psychrometer or digital psychrometer for the measurement of dew point and relative humidity, together with all necessary weather bureau tables or psychrometric charts. In the event of a conflict between readings with the sling psychrometer and the digital psychrometer, the readings with the sling psychrometer shall prevail.
  2. Surface temperature thermometer
  3. SSPC Visual Standards VIS 1, Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blast Cleaning; SSPC-VIS 3, Visual Standard for Power and Hand-Tool Cleaned Steel; SSPC-VIS 4, Guide and Reference Photographs for Steel Prepared by Water Jetting, and/or SSPC-VIS 5, Guide and Reference Photographs for Steel Prepared by Wet Abrasive Blast Cleaning, as applicable.
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4. Test equipment for determining abrasive cleanliness (oil content and water-soluble contaminants) according to SSPC abrasive specifications AB1, AB2, and AB3.
5. Commercially available putty knife of a minimum thickness of 40 mils (1mm) and a width between 1 and 3 in. (25 and 75 mm). Note that the putty knife is only required for projects in which the existing coating is being feathered and tested with a dull putty knife.
6. Testex Press-O-Film Replica Tape and Micrometer compliant with Method C of ASTM D4417, Standard Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel, or digital profile depth micrometer compliant with ASTM D4417, Method B. In the event of a conflict between measurements with the two instruments on abrasive blast cleaned steel, the results with the Testex Tape shall prevail. Note that for measuring the profile of steel power tool cleaned to SSPC-SP15, Commercial Grade Power Tool Cleaning, the digital profile depth micrometer shall be used.
7. Bresle Cell Kits or CHLOR\*TEST kits for chloride determinations, or equivalent
8. Wet Film Thickness Gage
9. Blotter paper for compressed air cleanliness checks
10. Type 2 Electronic Dry Film Thickness Gage per SSPC - PA2, Procedure for Determining Conformance to Dry Coating Thickness Requirements
11. Standards for verifying the accuracy of the dry film thickness gage
12. Light meter for measuring light intensity during paint removal, painting, and inspection activities
13. All applicable ASTM and SSPC Standards used for the work

The accuracy of the instruments shall be verified by the Contractor's personnel according to the equipment manufacturer's recommendations and the Contractor's QC Program. All inspection equipment shall be made available to the Engineer for QA observations on an as needed basis.

#### **C.3.4 Hold Point Notification.**

Unless other arrangements are made at the project site, provide the Engineer with a minimum 4-hour notification before a Hold Point inspection will be reached. If the 4-hour notification is provided and the Work is ready for inspection at that time, the Engineer will conduct the necessary observations. If the Work is not ready at the appointed time, unless other arrangements are made, an additional 4-hour notification is required. Permission to proceed beyond a Hold Point without a QA inspection will be granted solely at the discretion of the Engineer, and only on a case-by-case basis.

#### **C.3.5 Quality Assurance (QA) Observations.**

The Engineer will conduct QA observations of any or all phases of the work. The presence or activity of Engineer observations in no way relieves the Contractor of the responsibility to provide all necessary daily QC inspections of his/her own and to comply with all requirements of this Specification.

The Engineer has the right to reject any work that was performed without adequate provision for QA observations.

**70. DELETED**

**138. Concrete Channel Lining Repair, Item SPV.0060.403.**

*Replace entire section titled B Materials with the following:*

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Provide concrete fill according to standard spec 501.

Provide Grade A, Class II concrete.

**178. Pipe Grates, 42-Inch, Item 611.9800.S.001; Pipe Grates, 84-Inch, Item 611.9800.S.002.**

**A Description**

This special provision describes providing pipe grates for pipe apron endwalls as detailed in the plans.

**B Materials**

Furnish steel conforming to the requirements of standard spec 506.2.2.1. Furnish steel pipe conforming to the requirements of standard spec 506.2.3.6.

Furnish pipe grates galvanized according to ASTM A123.

Furnish angles and brackets galvanized according to ASTM A123.

Furnish required hardware galvanized according to ASTM A153.

**C Construction**

Repair pipes, rods, angles and brackets on which the galvanized coating has been damaged according to the requirements of AASHTO M36.

**D Measurement**

The department will measure Pipe Grates in units of work, where one unit is one grate, completed and accepted.

**E Payment**

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

ITEM NUMBER	DESCRIPTION	UNIT
611.9800.S.001	Pipe Grates, 42-Inch	EACH
611.9800.S.002	Pipe Grates, 84-Inch	EACH

Payment is full compensation for furnishing and installing all materials; and for drilling and connecting grates to apron endwalls.

stp-611-010 (20230113)

**179. Traffic Control Close-Open Freeway to Freeway System Ramp, Item SPV.0060.032.**

**A Description**

This special provision describes closing and re-opening a freeway to freeway system ramp.

**B (Vacant)**

**C Construction**

Install or reposition traffic control devices required for closing a freeway system ramp and adjacent auxiliary lanes. Remove or return traffic control devices to their previous configuration when the closure is no longer required.

**D Measurement**

The department will measure Traffic Control Close-Open Freeway to Freeway System Ramp by each individual closure, 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.0060.032	Traffic Control Close-Open Freeway to Freeway System Ramp	EACH

Payment is full compensation for closing and re-opening a freeway to freeway system ramp. Traffic Control devices will be paid separately.

sef-643-002 (20180627)

## 180. Sanitary Manhole Internal/External Seal, Item SPV.0060.503.

### A Description

The work under this item shall consist of furnishing and installing internal/external seals for all existing sanitary manholes. The work shall conform to the pertinent requirements of the Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition, as detailed in File No. 12A including sealing the outside of the manhole chimney from the frame down to the corbel.

### B Materials

Internal/External Adaptor Seal, as manufactured by Adaptor, Inc., or approved equal, shall meet the material requirements of Chapter 8.42.0 and the performance requirements of Section 8.42.4 and 8.42.5 of the Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition.

### C Construction

The Internal/External Seals shall be installed according to the manufacturer's recommended installation procedures.

### D Measurement

The department will measure Sanitary Manhole Internal/External Seal 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.0060.503	Sanitary Manhole Internal/External Seal	EACH

Payment is full compensation for furnishing all labor, tools, equipment, materials, excavation, backfilling, disposal of surplus materials, and incidentals necessary to complete the work.

### Schedule of Items

Attached, dated February 8, 2023, are the revised Schedule of Items Pages 1 - 38.

### Plan Sheets

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

Revised:

Project 1100-45-70: 385,436-444, 474-477, 539 and 706.

Project 1100-46-71: 15.

Added:

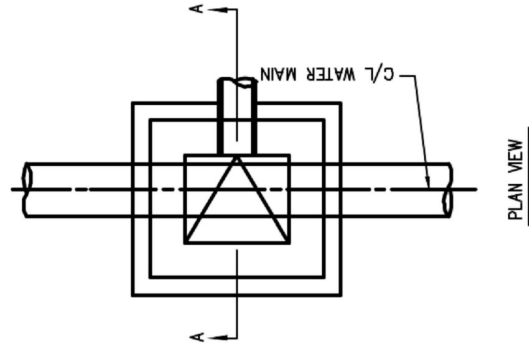
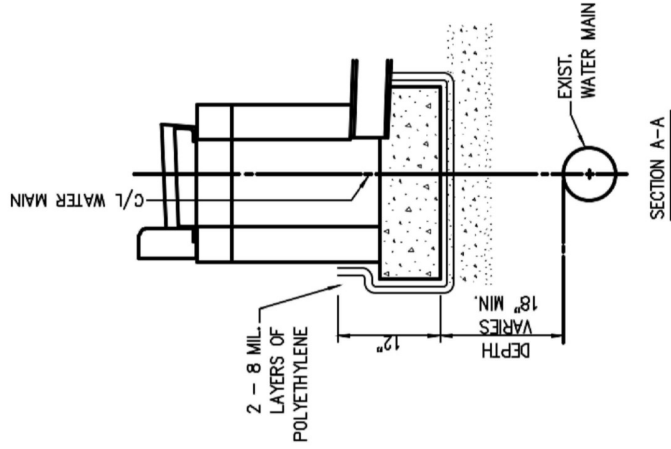
Project 1100-45-70: 79A, 304A-G, 335A-B and 625A.

Project 1100-46-71: 140A-B.

END OF ADDENDUM

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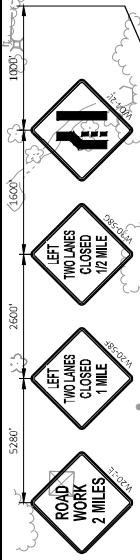
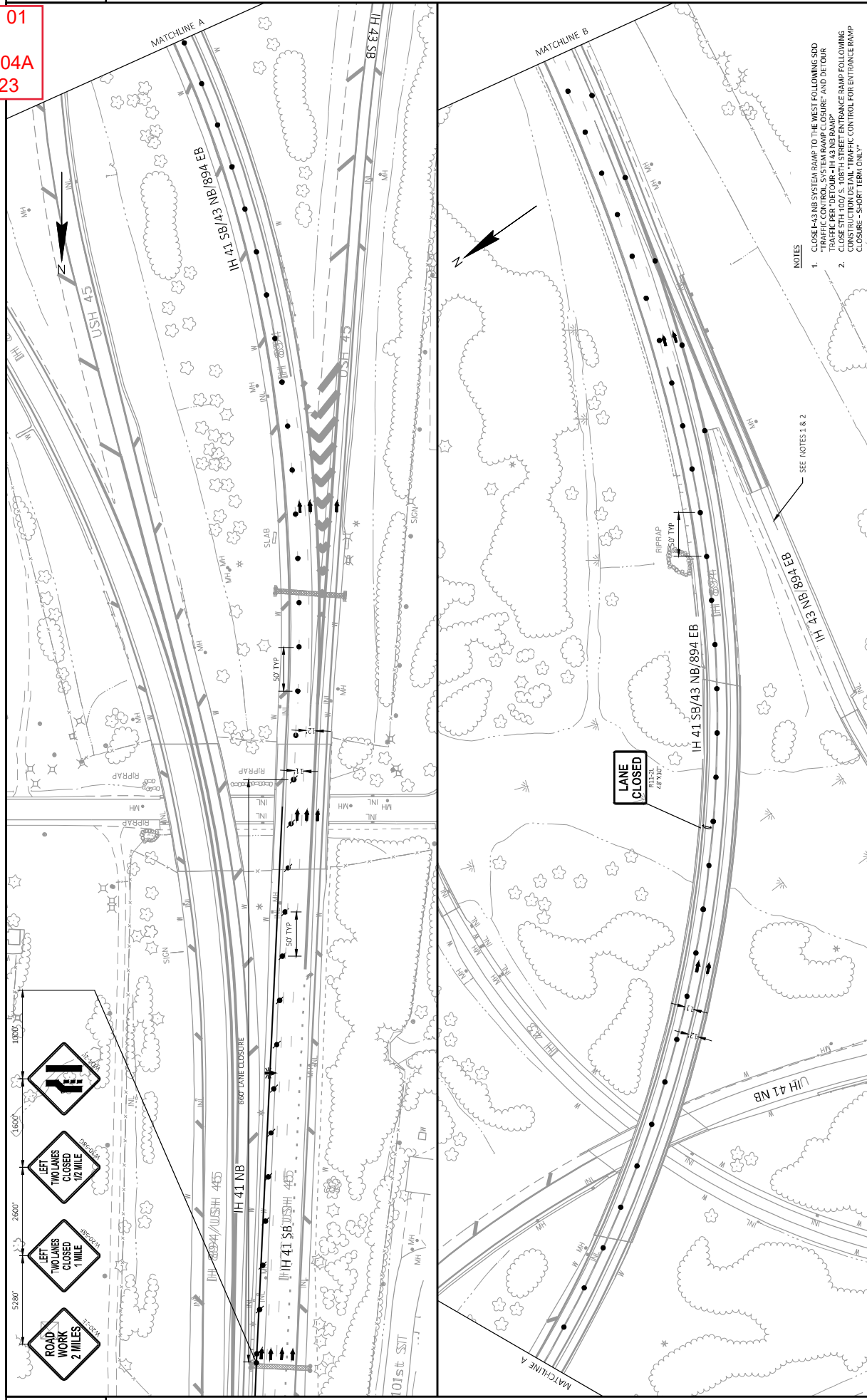
Addendum No. 01  
ID 1100-45-70  
Added Sheet 79A  
February 8, 2023



**WATER MAIN PROTECTION**  
INSTALL ON ALL CATCH BASINS OR INLETS WITH  
LESS THAN 24" HORIZONTAL OUT-TO-OUT  
CLEARANCE FROM STRUCTURE TO WATER MAIN

PROJECT NO: 1100-45-70	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET 79A	E
FILE NAME: C:\PW\WORK\REVIEWS\CH2M\ML\NC08598\00951381\1004570-001001-CO.DWG	HWY: IH 41	PLOT DATE: 2/2/2023 5:34 PM	PLOT NAME: GIBSON\MURPHY, NIKKI	WISDOT\CADD\SHEET 42
LA'OUT NAME: 41		PLOT SCALE: 1"=10' FT		

Addendum No. 01  
 ID 1100-45-70  
 Added Sheet 304A  
 February 8, 2023



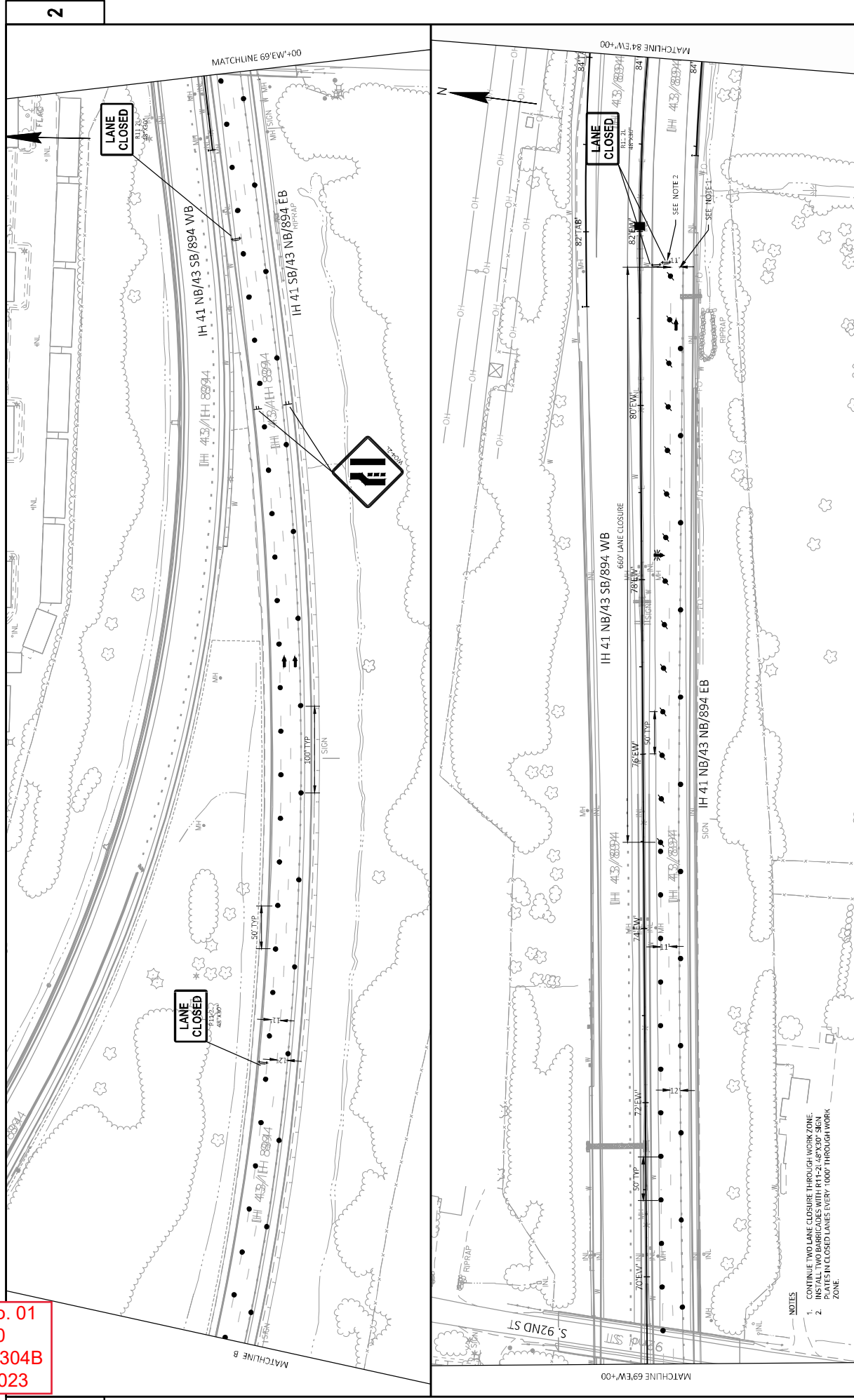
**NOTES**

1. CLOSE I-43 BUS SYSTEM RAMP TO THE WEST FOLLOWING SDD TRAFFIC CONTROL SYSTEM RAMP CLOSURE AND DETOUR TRAFFIC PER DETOUR - IH 43 NB RAMP
2. CLOSE 5TH 1007.5 - 108TH STREET ENTRANCE RAMP FOLLOWING CONSTRUCTION DETAIL TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE - SHORT TERM ONLY

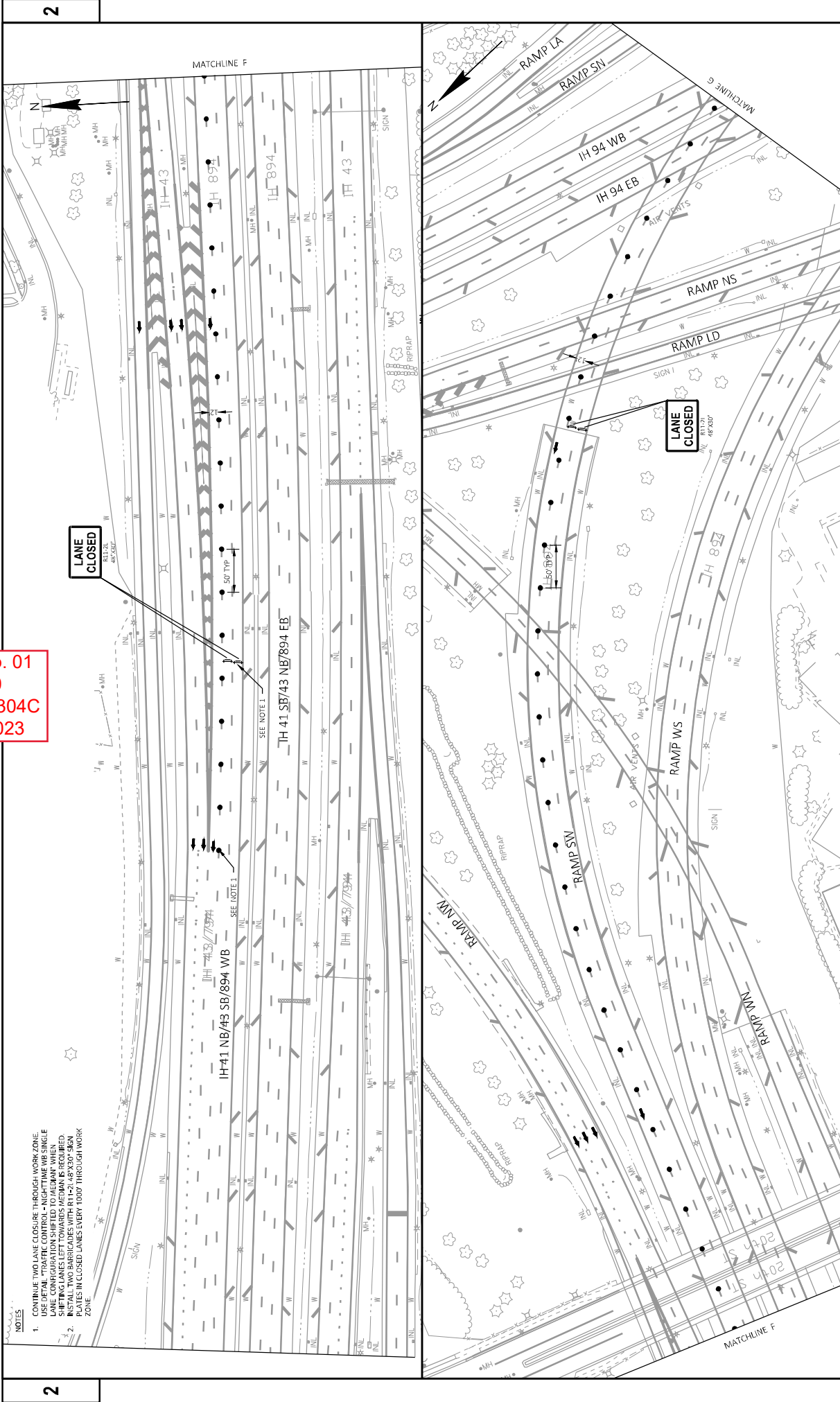
PROJECT NO: 1100-45-70	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHTTIME EB SINGLE LANE CONFIGURATION	SHEET 304A	E
FILE NAME: C:\VW\WORKDIR\002\CH2\HILL_NG65-98\005-1358110075-01_02502_C.DWG	HWY: IH 41	PILOT NAME: GIBSON MURPHY, NIKKI	PILOT SCALE: 1 IN=100 FT	W.SDD\CGDS\002\04
		PILOT DATE: 2/2/2023 1:15 PM		



Addendum No. 01  
 ID 1100-45-70  
 Added Sheet 304B  
 February 8, 2023



PROJECT NO: 1100-45-70	HWY: IH 41	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHTTIME EB SINGLE LANE CONFIGURATION	SHEET 304B
FILE NAME: C:\PW\WORK\0002\CH2\HILL_NG65-98\005-11581-10075-00_02502_C.DWG	DATE: 2/2/2023 1:53 PM	PLOT DATE: 2/2/2023 1:53 PM	PLOT BY: GIBSON MURPHY, NIKKI	PLOT NAME: 1 IN:100-F1
NOTES 1. CONTINUE TWO LANE CLOSURE THROUGH WORK ZONE. 2. INSTALL TWO BARRICADES WITH R11-2, 48"x30" SIGN PLATES IN CLOSED LANES EVERY 1000' THROUGH WORK ZONE.				W:SDOT/CADD/SHEET 41

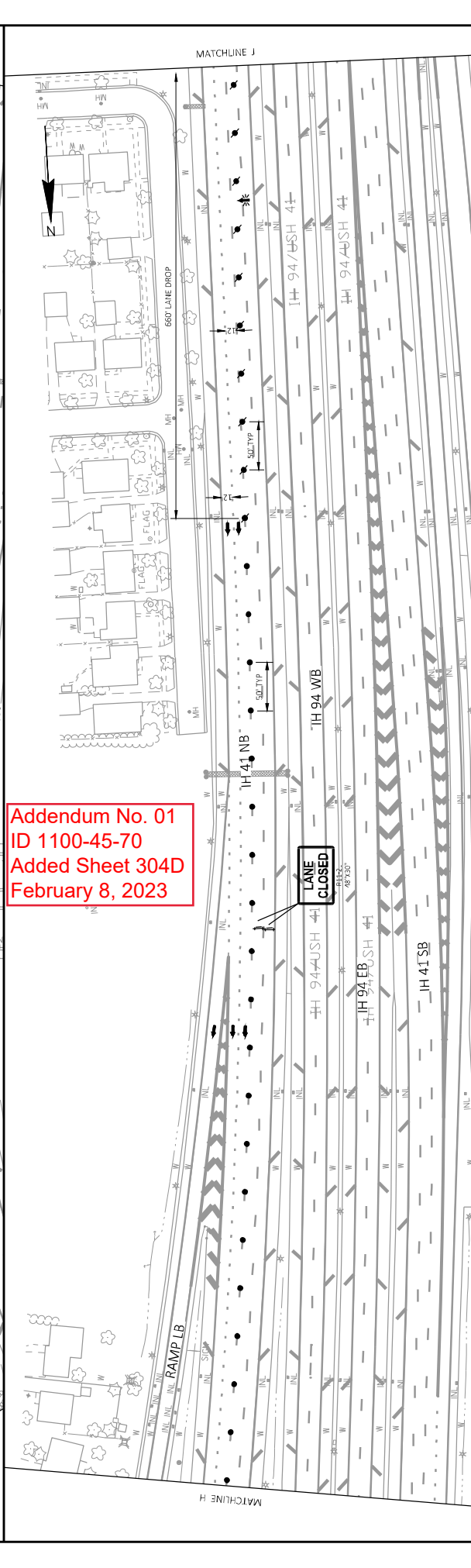
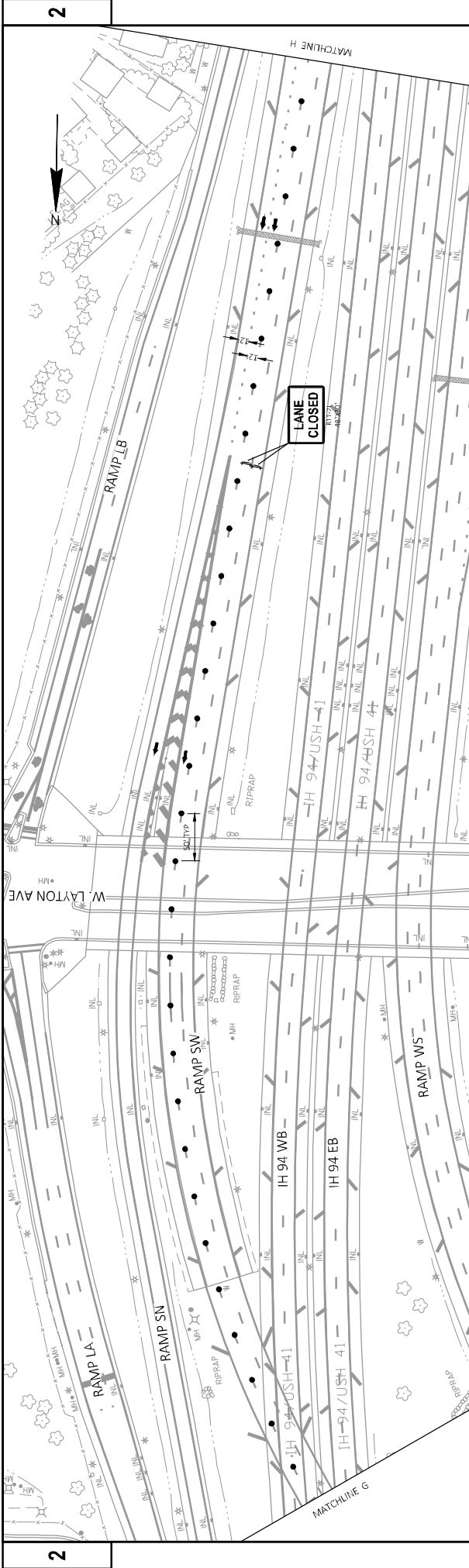


Addendum No. 01  
ID 1100-45-70  
Added Sheet 304C  
February 8, 2023

NOTES  
1. CONTINUE TWO LANE CLOSURE THROUGH WORK ZONE  
USE LEFT LANE TRAFFIC CONTROL - NIGHTTIME OR SINGLE  
LANE CONFIGURATION SHIFTED TO MEDIUM WHEN  
SHIFTLING LANES LEFT TOWARDS MEDIAN IS REQUIRED  
2. INSTALL TWO BARRICADES WITH R11-2 L48X30" SIGN  
LANES IN CLOSED LANES EVERY 100' THROUGH WORK  
ZONE

2

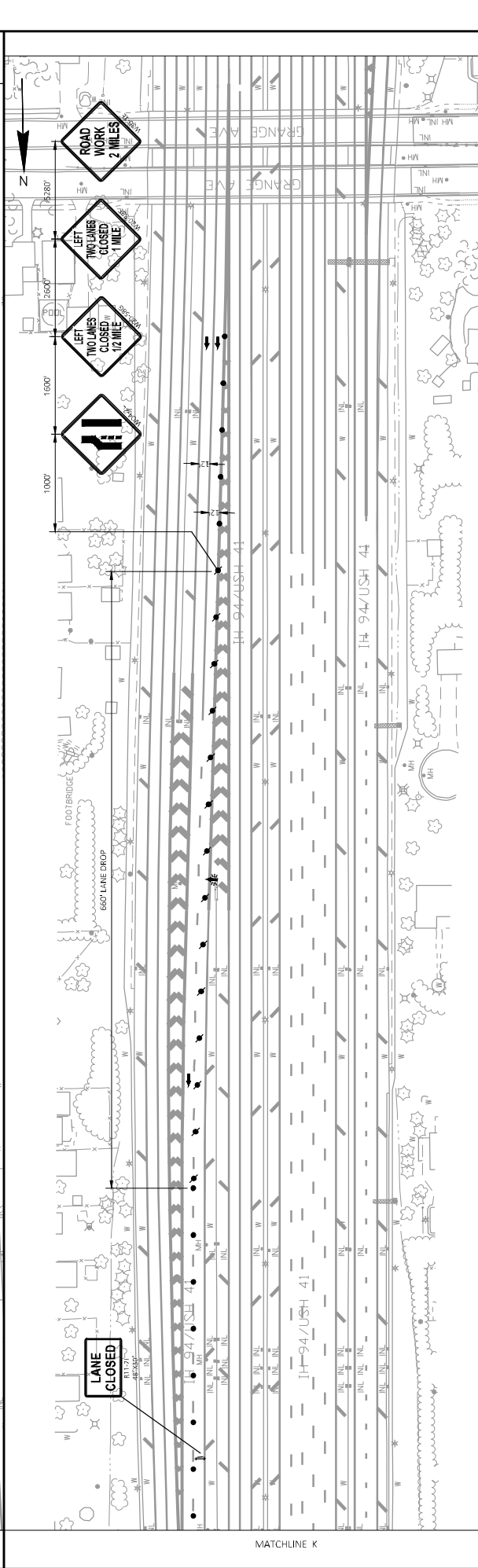
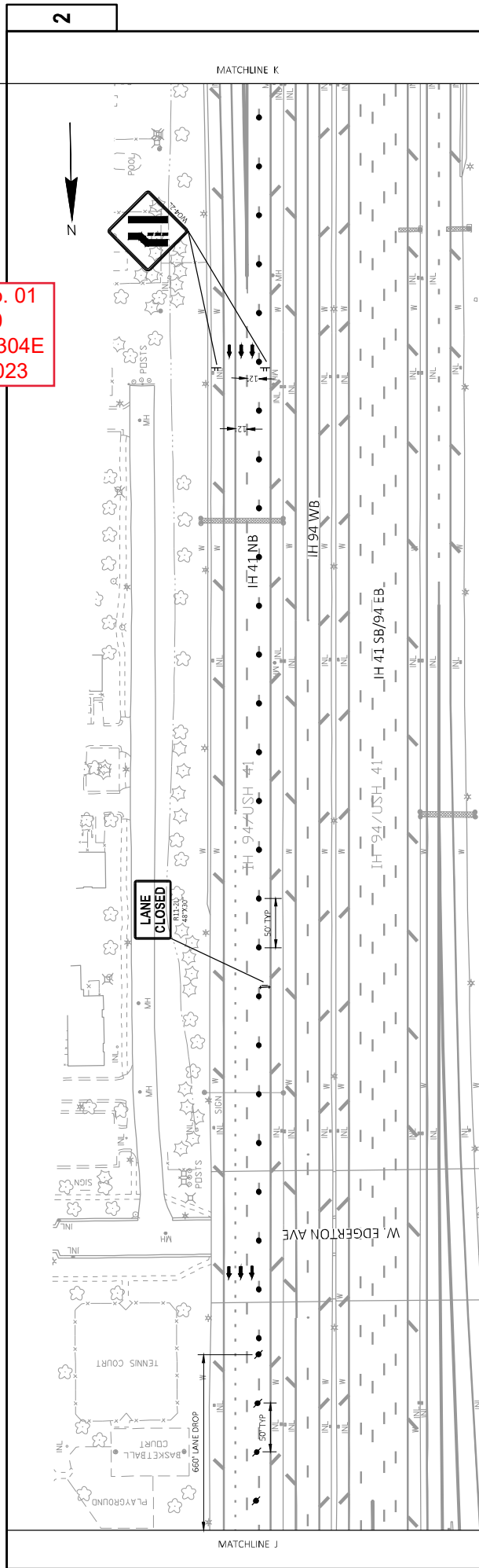
2



Addendum No. 01  
 ID 1100-45-70  
 Added Sheet 304D  
 February 8, 2023

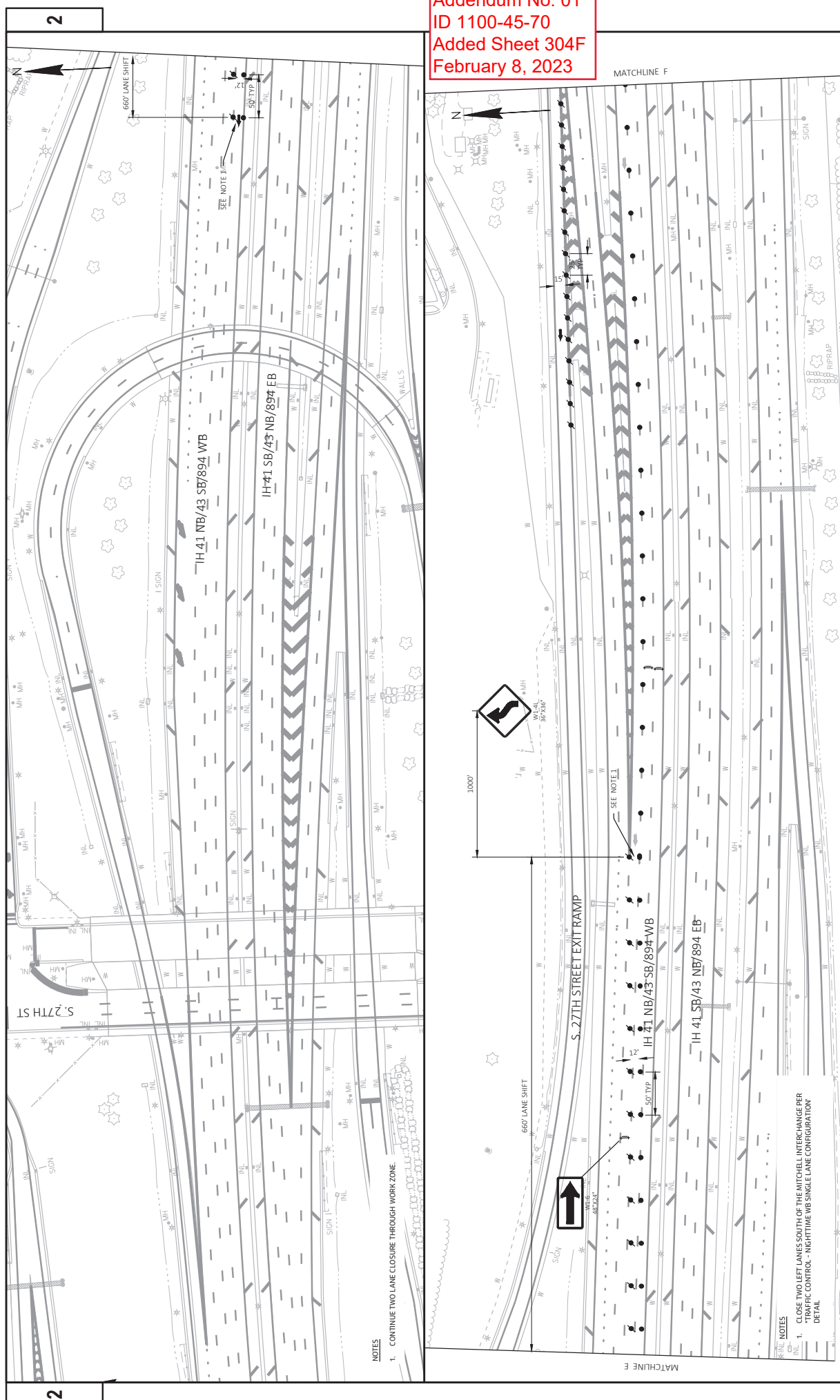
PROJECT NO: 1100-45-70	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHTTIME WB SINGLE LANE CONFIGURATION	SHEET 304D
FILE NAME: C:\PW\WORK\1100-45-70\1100-45-70-001\1100-45-70-001-001.dwg	PLT DATE: 2/7/2023 2:05 PM	PLT NAME: GIBSON MURPHY, NIKKI	PLT SCALE: #####
HWY: IH 41			W.SDOT/CADD/SHEET 41

Addendum No. 01  
 ID 1100-45-70  
 Added Sheet 304E  
 February 8, 2023



PROJECT NO: 1100-45-70	Hwy: IH 41	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHTTIME WB SINGLE LANE CONFIGURATION	SHEET 304E
FILE NAME: C:\NW\WORK\DIR\002\CH2\HILL_NG95-98\005-13581-10075-01_02502_C.DWG	PLOT DATE: 2/2/2023 2:13 PM	PLOT NAME: GIBSON MURPHY, NIKKI	PLOT NUMBER: #####	WSDOT/CADD/SHEET 4

Addendum No. 01  
 ID 1100-45-70  
 Added Sheet 304F  
 February 8, 2023

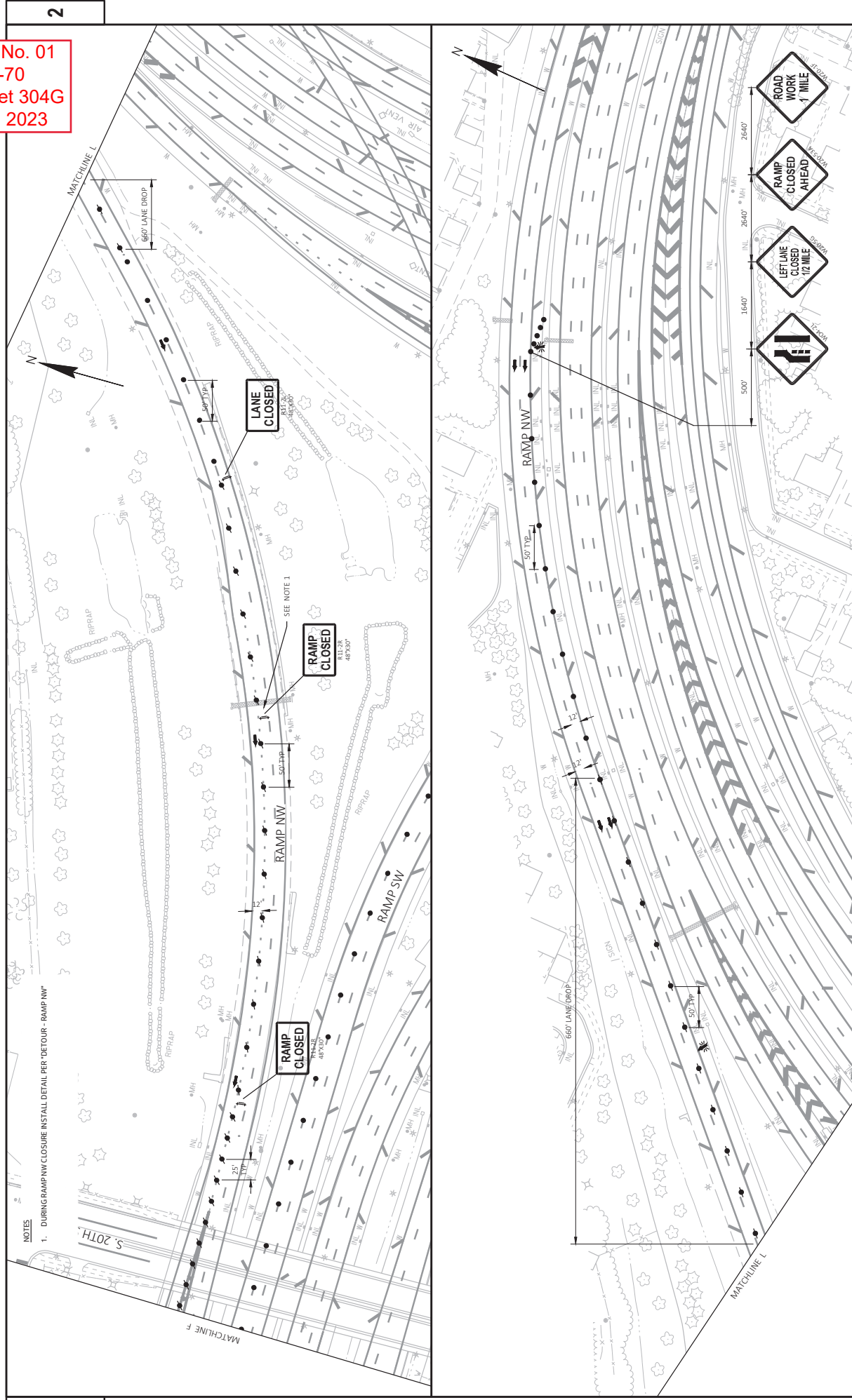


**NOTES**  
 1. CONTINUE TWO LANE CLOSURE THROUGH WORK ZONE.

**NOTES**  
 1. CLOSE TWO LEFT LANES SOUTH OF THE MITCHELL INTERCHANGE PER  
 - TRAFFIC CONTROL - NIGHTTIME WB SINGLE LANE CONFIGURATION  
 DETAIL

PROJECT NO: 1100-45-70	COUNTY: MILWAUKEE	TRAFFIC CONTROL - NIGHTTIME WB SINGLE LANE CONFIGURATION SHIFTED TO MEDIAN	SHEET 304F
FILE NAME: C:\PW\WORK\DIR\0803\CH2\HILL_NG65598\0954358\11004570\0250M_TCDWG	FLY BY: GIBSON-MURPHY, NIKKI	PLLOT NAME: ######	WISDOT/CADDIS SHEET 44
LAYOUT NAME: 09	PLLOT DATE: 2/2/2023 4:41 PM	PLLOT SCALE: ######	
HWY: IH 41			

Addendum No. 01  
ID 1100-45-70  
Added Sheet 304G  
February 8, 2023



NOTES

1. DURING RAMP NW CLOSURE INSTALL DETAIL PER 'DETOUR - RAMP NW'

**GENERAL NOTES**

ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.

"W" OF SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

SIGN PLACEMENT SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON STANDARD HIGHWAY SIGNS UNLESS OTHERWISE PROVIDED IN THE PLAN.

LOCATION AND SPACING OF SIGNS AND DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

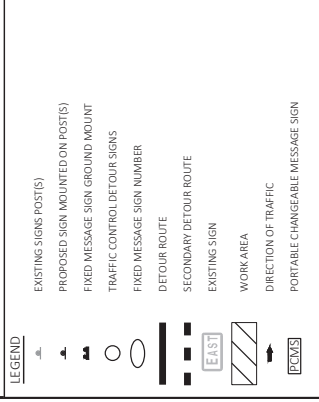
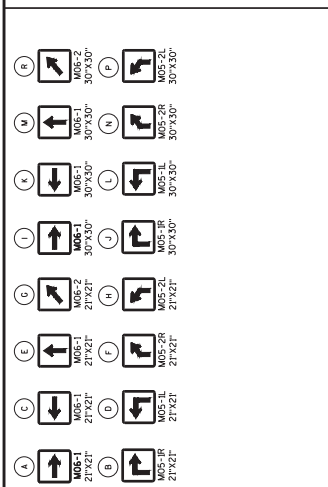
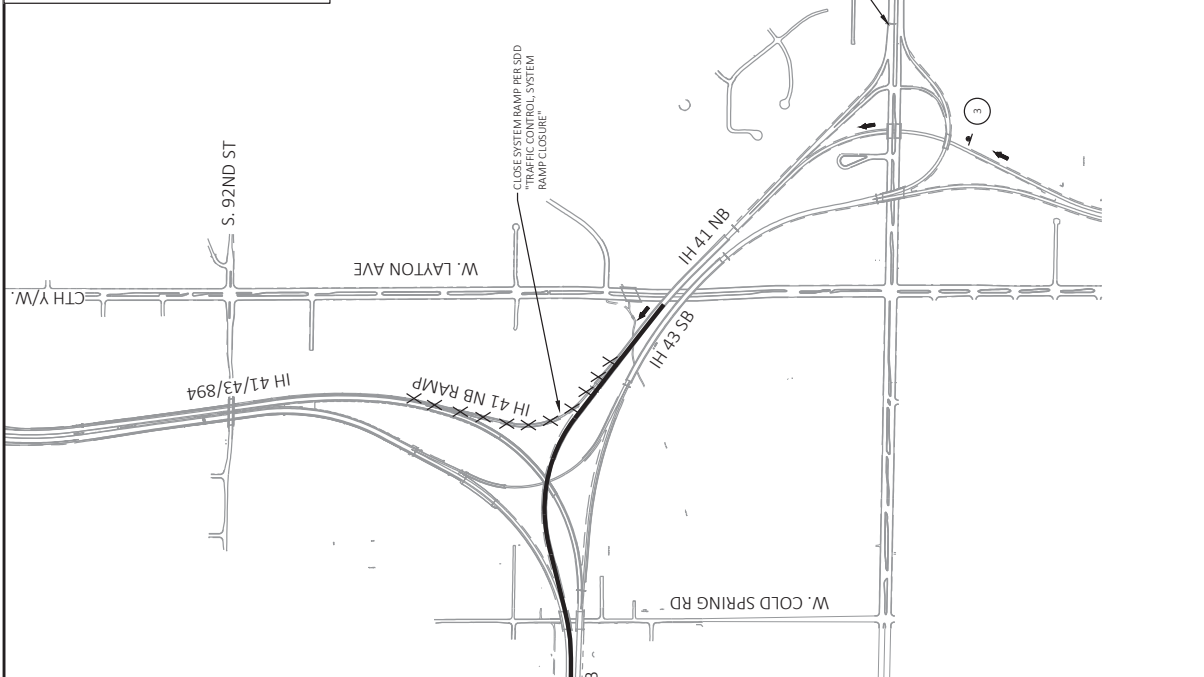
ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS DETOUR SHALL BE COVERED AS DIRECTED BY THE ENGINEER.

DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN DETOUR IS NOT IN USE OR AS DIRECTED BY THE ENGINEER.

INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED ROADWAY.



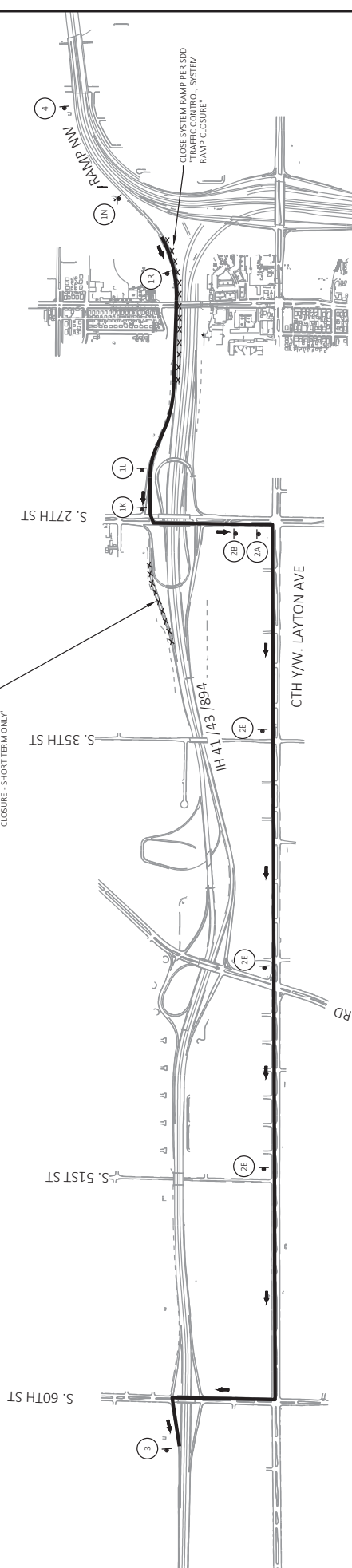
Addendum No. 01  
ID 1100-45-70  
Added Sheet 335A  
February 8, 2023



Addendum No. 01  
 ID 1100-45-70  
 Added Sheet 335B  
 February 8, 2023

<p><b>1</b></p> <p>DETOUR NORTH 41</p> <p>DETOUR SOUTH 43</p> <p>DETOUR WEST 894</p> <p>M4-8 36'x48" DETOUR NORTH 41</p> <p>M4-9 36'x48" DETOUR SOUTH 43</p> <p>M4-10 36'x48" DETOUR WEST 894</p>	<p><b>2</b></p> <p>DETOUR NORTH 41</p> <p>DETOUR SOUTH 43</p> <p>DETOUR WEST 894</p> <p>M4-8 36'x48" DETOUR NORTH 41</p> <p>M4-9 36'x48" DETOUR SOUTH 43</p> <p>M4-10 36'x48" DETOUR WEST 894</p>	<p><b>3</b></p> <p>DETOUR NORTH 41</p> <p>DETOUR SOUTH 43</p> <p>DETOUR WEST 894</p> <p>M4-8A 36'x24" DETOUR NORTH 41</p> <p>M4-8B 36'x24" DETOUR SOUTH 43</p> <p>M4-8C 36'x24" DETOUR WEST 894</p>	<p><b>4</b></p> <p>DETOUR NORTH 41</p> <p>DETOUR SOUTH 43</p> <p>DETOUR WEST 894</p> <p>M4-1 36'x48" DETOUR NORTH 41</p> <p>M4-2 36'x48" DETOUR SOUTH 43</p> <p>M4-3 36'x48" DETOUR WEST 894</p>	<p><b>A</b></p> <p>M06-1 21'x21" 27'x27"</p> <p><b>B</b></p> <p>M06-2 21'x21" 27'x27"</p>	<p><b>C</b></p> <p>M06-1 21'x21" 27'x27"</p> <p><b>D</b></p> <p>M06-2 21'x21" 27'x27"</p>	<p><b>E</b></p> <p>M06-1 21'x21" 27'x27"</p> <p><b>F</b></p> <p>M06-2 21'x21" 27'x27"</p>	<p><b>G</b></p> <p>M06-1 21'x21" 27'x27"</p> <p><b>H</b></p> <p>M06-2 21'x21" 27'x27"</p>	<p><b>I</b></p> <p>M06-1 30'x30" 30'x30"</p> <p><b>J</b></p> <p>M06-2 30'x30" 30'x30"</p>	<p><b>K</b></p> <p>M06-1 30'x30" 30'x30"</p> <p><b>L</b></p> <p>M06-2 30'x30" 30'x30"</p>	<p><b>M</b></p> <p>M06-1 30'x30" 30'x30"</p> <p><b>N</b></p> <p>M06-2 30'x30" 30'x30"</p>	<p><b>O</b></p> <p>M06-1 30'x30" 30'x30"</p> <p><b>P</b></p> <p>M06-2 30'x30" 30'x30"</p>
---	---	---	--	---	---	---	---	---	---	---	---

CLOSE S. 27TH STREET WB ON RAMP PER CONSTRUCTION DETAIL "TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE - SHORT TERM ONLY"



**LEGEND**

- EXISTING SIGNS (POSTS)
- PROPOSED SIGN MOUNTED ON POST(S)
- FIXED MESSAGE SIGN GROUND MOUNT
- TRAFFIC CONTROL DETOUR SIGNS
- FIXED MESSAGE SIGN NUMBER
- DETOUR ROUTE
- SECONDARY DETOUR ROUTE
- EXISTING SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE SIGN

**GENERAL NOTES**

ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.

"W" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL OF STANDARD HIGHWAY SIGNS UNLESS OTHERWISE PROVIDED IN THE PLAN.

LOCATION AND SPACING OF SIGNS AND DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS DETOUR SHALL BE COVERED AS DIRECTED BY THE ENGINEER.

DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN DETOUR IS NOT IN USE OR AS DIRECTED BY THE ENGINEER.

INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED ROADWAY.



Addendum No. 01  
ID 1100-45-70  
Revised Sheet 385  
February 8, 2023

**PAVEMENT REPAIR**

SPV.0195.001	SPV.0180.001	SPV.0060.021	SPV.0180.001	SPV.0195.001
MOBILIZATIONS	BASE PATCHING	EMERGENCY PAVEMENT REPAIR	CONCRETE SHES SPECIAL REPAIR	HMA LONGITUDINAL JOINT REPAIR
20	1,200	20	1,200	2,540
TOTAL		2,540		

\*ADDITIONAL QUANTITIES ELSEWHERE

**BASELINE CPM PROGRESS SCHEDULE**

SPV.0060.001	SPV.0060.002
BASELINE SCHEDULE	MONTHLY CPM PROGRESS SCHEDULE UPDATES
0.8	7
TOTAL	
0.8	7

**PAVEMENT CLEANUP**

SPV.0075.001
PAVEMENT CLEANUP PROJECT 1100-45-70
200
TOTAL
200

**FIELD OFFICE**

SPV.0060.020
FIELD FACILITIES OFFICE SPACE
0.8
TOTAL
0.8

**SURVEY PROJECT**

SPV.0060.030
SURVEY PROJECT 1100-45-70
1
CONTRACT TOTAL
1

**EXPOSING EXISTING UTILITY**

SPV.0060.028	SPV.0060.029
EXPOSING EXISTING INFRASTRUCTURE PAVED AREA	EXPOSING EXISTING INFRASTRUCTURE UNPAVED AREA
10	10
TOTAL	10

**WATER MAIN PROTECTION**

SPV.0060.501
WATER MAIN PROTECTION
10
TOTAL
10

**ADJUSTING WATER BOXES**

SPV.0060.502
SAVING CONCRETE WATER BOXES
6
CONTRACT TOTAL
6

PROJECT NO: 1100-45-70

HWY: IH 41

COUNTY: MILWAUKEE

MISCELLANEOUS QUANTITIES

SHEET 385

E

FILE NAME: C:\PW\WORK\DIR\DIR\M03\VE6\_CISEN\MW\DDP\51596\_11004570\030200\_MG.DWG LAYOUT NAME: 31

PLOT DATE: 2/2/2023 3:47 PM

PLOT BY: OLSEN, MICHAELA

PLOT SCALE: 1"=1'

WSS007\CADDS SHEET 42

LIGHTING - REMOVALS  
 204.0195 REMOVING CONCRETE BASES  
 204.9060.S.101 REMOVING DISTRIBUTION CENTER  
 204.9060.S.102 REMOVING LIGHTING UNITS  
 204.9060.S.104 REMOVING LUMINAIRES  
 653.0805 REMOVING PULL BOXES\*

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	204.0195 REMOVING CONCRETE BASES	204.9060.S.101 REMOVING DISTRIBUTION CENTER	204.9060.S.102 REMOVING LIGHTING UNITS	653.0805* REMOVING PULL BOXES	COMMENTS
1100					EACH	EACH	EACH	EACH	
	2	HL-40-EH	AEH5/BEH5	82EW+40	1	--	1	2	
	2	HL-40-EH	AEH6/BEH6	84EW+90	1	--	1	2	
	2	HL-40-EH	AEH7/BEH7	87EW+70	1	--	1	2	
	3	HL-40-EH	AEH11	88TAB+09	--	--	1	--	
	3	HL-40-EH	AEH16	88TAA+60	--	--	1	--	
	3	HL-40-EH	LPB-EH-5	89TAA+71	--	--	--	1	
	3	HL-40-EH	LPB-EH-4	88EW+57	--	--	--	1	
	3	HL-40-EH	LPB-EH-3	88EW+58	--	--	--	1	
	3	HL-40-EH	LPB-EH-6	88EW+58	--	--	--	1	
	3	HL-40-EH	LPB-EH-7	88EW+58	--	--	--	1	
	2	HL-40-EH	AEH8/BEH8	88EW+75	1	--	1	2	
	3	HL-40-EH	BEH11	89TAB+89	--	--	1	--	
	3	HL-40-EH	BEH15	90TAA+77	--	--	1	--	
	3	HL-40-EH	AEH12	91TAB+27	--	--	1	--	
	3	HL-40-EH	AEH15	92TAA+30	--	--	1	--	
	2	HL-40-EH	AEH9/BEH9	92EW+25	1	--	1	2	
	3	HL-40-EH	BEH12	92TAB+70	--	--	1	--	
	3	HL-40-EH	BEH14	93TAA+71	--	--	1	--	
	3	HL-40-EH	AEH13	94TAB+09	--	--	1	--	
	3	HL-40-EH	LPB-EH-8	94EW+52	--	--	--	1	
	2	HL-40-EH	AEH10/BEH10	94EW+75	1	--	1	2	
	3	HL-40-EH	AEH14	95TAA+28	--	--	1	--	
	3	HL-40-EH	BEH13	95TAB+44	--	--	1	--	
	2	HL-40-FO	AFO1/BFO1	97EW+37	1	--	1	2	
	2	HL-40-FO	AFO2/BFO2	98EW+55	1	--	1	2	
					8	0	19	27	
									SUBTOTAL

653.0805\*  
 LAMP, BALLAST,  
 LED, SWITCH  
 DISPOSAL BY  
 CONTRACTOR

Addendum No. 01  
 ID 1100-45-70  
 Revised Sheet 436  
 February 8, 2023

\* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LIGHTING - REMOVALS  
 204.0195 REMOVING CONCRETE BASES  
 204.9060 S.101 REMOVING DISTRIBUTION CENTER  
 204.9060 S.102 REMOVING LIGHTING UNITS  
 204.9060 S.104 REMOVING LUMINAIRES  
 653.0905 REMOVING PULL BOXES\*

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	204.0195 REMOVING CONCRETE BASES	204.9060 S.101 REMOVING DISTRIBUTION CENTER	204.9060 S.102 REMOVING LIGHTING UNITS	653.0905* REMOVING LAMP, BALLAST, LED SWITCH DISPOSAL BY CONTRACTOR	COMMENTS
					EACH	EACH	EACH	EACH	
1100	2	HL-40FO	AFO3/BFO3	101EW+74	1	--	1	--	
	2	HL-40FO	AFO4/BFO4	103EW+95	1	--	2	--	
	2	HL-40FO	AFO5/BFO5	106EW+15	1	--	2	--	
	2	HL-40FO	AFO6/BFO6	108EW+35	1	--	2	--	
	3	HL-40FO	LPB-FO-1	109EW+55	--	--	--	1	
	3	HL-40FO	LPB-FO-2	109EW+55	--	--	--	1	
	3	HL-40FO	HL-40FO	109EW+92	--	1	--	--	
	2	HL-40FO	CFO11/DFO11	110EW+44	1	--	1	--	
	3	HL-40FO	CFO10	110FHA+15	--	--	1	--	
	3	HL-40FO	CFO9	107FHA+84	--	1	--	--	
	3	HL-40FO	CFO8	106FHA+78	--	1	--	--	
	3	HL-40FO	CFO6	104FHA+45	--	1	--	--	
	3	HL-40FO	CFO5	103FHA+16	--	1	--	--	
	3	HL-40FO	CFO4	101FHA+66	--	1	--	--	
	3	HL-40FO	CFO3	100FHA+32	--	1	--	--	
	3	HL-40FO	CFO2	99FHA+18	--	1	--	--	
	3	HL-40FO	CFO1	98FHA+10	--	1	--	--	
	3	HL-40FO	DFO1	110FHB+95	--	1	--	--	
	3	HL-40FO	DFO2	112FHB+47	--	1	--	--	
	3	HL-40FO	DFO3	113FHB+93	--	1	--	--	
	2	HL-40FO	CFO12/DFO12	114EW+95	1	--	1	--	
	3	HL-40FO	LPB-FO-3	115EW+49	--	--	--	1	
	3	HL-40FO	DFO4	115FHB+93	--	--	1	--	
	2	HL-40FO	CFO13/DFO13	117EW+11	1	--	1	--	
	2	HL-40FO	CFO14/DFO14	119EW+21	1	--	1	--	
SUBTOTAL					8	1	21	29	3

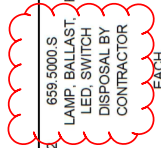
653.0905\*  
 REMOVING  
 LAMP, BALLAST,  
 LED SWITCH  
 DISPOSAL BY  
 CONTRACTOR

Addendum No. 01  
 ID 1100-45-70  
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 February 8, 2023

\* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LIGHTING - REMOVALS  
 204.0195  
 REMOVING CONCRETE BASES  
 REMOVING DISTRIBUTION CENTER  
 REMOVING LIGHTING UNITS  
 REMOVING LUMINAIRES  
 REMOVING PULL BOXES\*

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	204.0195 REMOVING CONCRETE BASES		204.9660.S.101 REMOVING DISTRIBUTION CENTER		204.9660.S.102 REMOVING LIGHTING UNITS		653.0905* 653.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR		COMMENTS
					EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
1100	2	HL-40-AL	CFO15/DFO15	121EW+36	1	--	--	1	2	--	--		
	3	HL-40-AL	DAL12	123TBB+33	--	--	--	1	1	--	--		
	3	HL-40-AL	CAL41/DAL41	124EW+09	1	--	--	1	2	--	--		
	3	HL-40-AL	DAL11	124TBB+62	--	--	--	1	1	--	--		
	3	HL-40-AL	CAL22	124TBA+79	--	--	--	1	1	--	--		
	3	HL-40-AL	DAL10	125TBB+93	--	--	--	1	1	--	--		
	2	HL-40-AL	CAL40/DAL40	126EW+37	1	--	--	1	2	--	--		
	3	HL-40-AL	LPB-AL-6	126TBB+69	--	--	--	1	1	--	--		
	3	HL-40-AL	CAL26	126TBA+73	--	--	--	1	1	--	--		
	3	HL-40-AL	LPB-AL-5	126EW+86	--	--	--	1	1	--	--		
	3	HL-40-AL	DAL9	127TBB+22	1	--	--	1	1	--	--		
	2	HL-40-AL	CAL39/DAL39	128EW+83	1	--	--	1	2	--	--		
	3	HL-40-AL	CAL27	128TBA+76	--	--	--	1	1	--	--		
	3	HL-40-AL	DAL13	129TBB+20	--	--	--	1	1	--	--		
	3	HL-40-AL	LPB-AL-4	129TBA+17	--	--	--	1	1	--	--		
	3	HL-40-AL	LPB-AL-3	129EW+39	--	--	--	1	1	--	--		
	3	HL-40-AL	CAL28	130TBA+65	--	--	--	1	1	--	--		
	2	HL-40-AL	CAL38/DAL38	131EW+27	1	--	--	1	2	--	--		
	3	HL-40-AL	CAL25	132TBA+55	--	--	--	1	1	--	--		
	2	HL-40-AL	CAL37/DAL37	133EW+76	1	--	--	1	2	--	--		
	2	HL-40-AL	CAL36/DAL36	136EW+21	1	--	--	1	2	--	--		
	2	HL-40-AL	CAL35/DAL35	138EW+67	1	--	--	1	2	--	--		
	2	HL-40-AL	CAL34/DAL34	141EW+16	1	--	--	1	2	--	--		
	2	HL-40-AL	CAL33/DAL33	143EW+57	1	--	--	1	2	--	--		
	2	HL-40-AL	CAL32/DAL32	145EW+89	1	--	--	1	2	--	--		
SUBTOTAL					11	0	0	21	32	4	4		



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\* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LIGHTING - REMOVALS  
 204.0195 REMOVING CONCRETE BASES  
 204.9660.S.101 REMOVING DISTRIBUTION CENTER  
 204.9660.S.102 REMOVING LIGHTING UNITS  
 204.9660.S.104 REMOVING LUMINAIRES  
 653.0905 REMOVING PULL BOXES\*

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	204.0195 REMOVING CONCRETE BASES	204.9660.S.101 REMOVING DISTRIBUTION CENTER	204.9660.S.102 REMOVING LIGHTING UNITS	653.0905* REMOVING PULL BOXES	COMMENTS
					EACH	EACH	EACH	EACH	
1100	2	HL-40-AL	CAL31/DAL31	148EW+44	1	--	1	--	
	3	HL-40-AL	LPB-AL-2	148EW+76	--	--	--	2	659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR
	3	HL-40-AL	LPB-AL-1	148EW+76	--	--	--	1	
	3	HL-40-AL	HL-40-AL	148EW+93	--	1	--	--	
	2	HL-40-AL	AAL27/BAL21	150EW+52	1	--	1	--	
	2	HL-40-AL	AAL22/BAL22	152EW+84	1	--	1	--	
	2	HL-40-AL	AAL23/BAL23	155EW+39	1	--	1	--	
	2	HL-40-AL	AAL24/BAL24	157EW+84	1	--	1	--	
	2	HL-40-AL	AAL25/BAL25	160EW+29	1	--	1	--	
	2	HL-40-AL	AAL26/BAL26	162EW+72	1	--	1	--	
	2	HL-40-AL	AAL27/BAL27	165EW+12	1	--	1	--	
	2	HL-40-AL	AAL28/BAL28	167EW+52	1	--	1	--	
	3	HL-40-AL	BAL10	168TCA+7	--	--	1	--	
	3	HL-40-AL	AAL11	169TCB+02	--	--	1	--	
	2	HL-40-AL	AAL29/BAL29	168EW+86	1	--	1	--	
	3	HL-40-AL	LPB-AL-9	170TCR+09	--	--	--	1	
	3	HL-40-AL	BAL6	170TCA+56	--	--	1	--	
	3	HL-40-AL	LPB-AL-7	170TCA+62	--	--	--	1	
	3	HL-40-AL	AAL7	170TCB+97	--	--	1	--	
	3	HL-40-AL	LPB-AL-8	171TCA+82	--	--	--	1	
	3	HL-40-AL	BAL7	172TCA+06	--	--	1	--	
	2	HL-40-AL	AAL30/BAL30	172EW+33	1	--	1	--	
	3	HL-40-AL	AAL8	172TCB+42	--	--	1	--	
	3	HL-40-AL	BAL8	173TCA+64	--	--	1	--	
	3	HL-40-AL	AAL9	174TCB+07	--	--	1	--	
SUBTOTAL					11	1	19	30	5

659.5000.S  
LAMP, BALLAST,  
LED, SWITCH  
DISPOSAL BY  
CONTRACTOR

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\* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LIGHTING - REMOVALS  
 204.0195  
 REMOVING CONCRETE BASES  
 204.9660 S.101  
 REMOVING DISTRIBUTION CENTER  
 204.9660 S.102  
 REMOVING LIGHTING UNITS  
 204.9660 S.104  
 REMOVING LUMINAIRES  
 653.0905  
 REMOVING PULL BOXES\*

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	204.0195 REMOVING CONCRETE BASES	204.9660 S.101 REMOVING DISTRIBUTION CENTER	204.9660 S.102 REMOVING LIGHTING UNITS	653.0905* REMOVING LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR	653.0905* REMOVING PULL BOXES	COMMENTS
					EACH	EACH	EACH	EACH	EACH	
1100	2	HL-40-AL	AAL31/BAL31	174EW+77	1	--	1	2	--	
	3	HL-40-AL	BAL9	175TCA+30	--	--	1	--	--	
	3	HL-40-AL	AAL10	175TCB+78	--	--	1	--	--	
	3	HL-40-BO	DBO10	176TCD+70	--	--	1	--	--	
	3	HL-40-BO	CBO11	176TCC+90	--	--	1	--	--	
	2	HL-40-BO	CBO31/DBO31	177EW+57	1	--	1	2	--	
	3	HL-40-BO	DBO9	178TCD+11	--	--	1	--	--	
	3	HL-40-BO	CBO10	178TCC+40	--	--	1	--	--	
	3	HL-40-BO	DBO8	179TDB+50	--	--	1	--	--	
	3	HL-40-BO	CBO9	179TCC+97	--	--	1	--	--	
	2	HL-40-BO	CBO30/DBO30	179EW+97	1	--	1	2	--	
	3	HL-40-BO	LPB-BO-6	180EW+88	--	--	--	--	1	
	3	HL-40-BO	DBO6	180TCD+89	--	--	1	--	--	
	3	HL-40-BO	LPB-BO-7	181EW+07	--	--	--	--	1	
	3	HL-40-BO	CBO7	181TCC+54	--	--	1	--	--	
	2	HL-40-BO	CBO29/DBO29	182EW+37	1	--	1	2	--	
	3	HL-40-BO	DBO7	182TCD+79	--	--	1	--	--	
	3	HL-40-BO	CBO8	183TCC+53	--	--	1	--	--	
	2	HL-40-BO	CBO28/DBO28	184EW+84	1	--	1	2	--	
	2	HL-40-BO	CBO27/DBO27	187EW+23	1	--	1	2	--	
	2	HL-40-BO	CBO26/DBO26	188EW+62	1	--	1	2	--	
	2	HL-40-BO	CBO25/DBO25	192EW+01	1	--	1	2	--	
	2	HL-40-BO	CBO24/DBO24	194EW+41	1	--	1	2	--	
	2	HL-40-BO	CBO23/DBO23	196EW+81	1	--	1	2	--	
	2	HL-40-BO	CBO22/DBO22	199EW+21	1	--	1	2	--	
SUBTOTAL					11	0	23	34	2	

653.0905 S.102  
LAMP, BALLAST,  
LED, SWITCH  
DISPOSAL BY  
CONTRACTOR

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\* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LIGHTING - REMOVALS  
 204.0195  
 REMOVING CONCRETE BASES  
 204.9060 S.101  
 REMOVING DISTRIBUTION CENTER  
 204.9060 S.102  
 REMOVING LIGHTING UNITS  
 204.9060 S.104  
 REMOVING LUMINAIRES  
 REMOVING PULL BOXES\*
 653.0905

653.0905\*  
 REMOVING  
 PULL  
 BOXES

659.5000 S.  
 LAMP, BALLAST,  
 LED SWITCH  
 DISPOSAL BY  
 CONTRACTOR

204.9060 S.102  
 REMOVING  
 LIGHTING  
 UNITS

204.9060 S.101  
 REMOVING  
 DISTRIBUTION  
 CENTER

204.0195  
 REMOVING  
 CONCRETE  
 BASES

LOCATION

DESCRIPTION

SYSTEM

STAGE

CATEGORY

COMMENTS

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	204.0195 REMOVING CONCRETE BASES	204.9060 S.101 REMOVING DISTRIBUTION CENTER	204.9060 S.102 REMOVING LIGHTING UNITS	653.0905* REMOVING PULL BOXES	659.5000 S. LAMP, BALLAST, LED SWITCH DISPOSAL BY CONTRACTOR	COMMENTS
1100	2	HL-40-BO	LPB-BO-4	201EW+24	-	-	-	-	-	EACH
	3	HL-40-BO	LPB-BO-3	201EW+38	-	-	-	-	-	EACH
	2	HL-40-BO	CBO21/DBO21	201EW+63	1	-	-	2	-	1
	3	HL-40-BO	LPB-BO-2	201EW+73	-	-	-	-	-	1
	3	HL-40-BO	LPB-BO-1	201EW+89	-	-	-	-	-	1
	3	HL-40-BO	HL-40-BO	201EW+92	-	1	-	-	-	-
	2	HL-40-BO	ABO1/BB01	203EW+95	1	-	1	2	-	-
	2	HL-40-BO	ABO2/BB02	206EW+28	1	-	1	2	-	-
	2	HL-40-BO	ABO3/BB03	208EW+66	1	-	1	2	-	-
	2	HL-40-BO	ABO4/BB04	211EW+03	1	-	1	2	-	-
	2	HL-40-BO	ABO5/BB05	213EW+41	1	-	1	2	-	-
	2	HL-40-BO	ABO6/BB06	215EW+76	1	-	1	2	-	-
	3	HL-40-LM	BLM20	217LRA+60	-	-	1	1	-	-
	2	HL-40-LM	ABO7/BB07	218EW+19	1	-	1	2	-	-
	3	HL-40-LM	LPBLM-6	219LRA+72	-	-	-	-	-	1
	3	HL-40-LM	LPBLM-5	219EW+65	-	-	-	-	-	1
	3	HL-40-LM	ELM1	219LRB+60	-	-	1	1	-	-
	3	HL-40-LM	ALM20	220LRA+28	-	-	1	1	-	-
	2	HL-40-LM	ALM17/BLM1	220EW+50	1	-	1	2	-	-
	3	HL-40-LM	BLM21	222LRA+00	-	-	1	1	-	-
	3	HL-40-LM	ELM2	221LRB+54	-	-	1	1	-	-
	3	HL-40-LM	HL-40-LM	221LRB+83	-	1	-	-	-	-
	3	HL-40-LM	LPBLM-1	221LRB+83	-	-	-	-	-	1
	3	HL-40-LM	LPB-LM2	221LRB+83	-	-	-	-	-	1
	3	HL-40-LM	LPB-LM-3	221LRB+83	-	-	-	-	-	1
SUBTOTAL					9	2	14	23	9	

\* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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LIGHTING - REMOVALS  
 204.0195  
 REMOVING CONCRETE BASES  
 204.9060.S.101  
 REMOVING DISTRIBUTION CENTER  
 REMOVING LIGHTING UNITS  
 204.9060.S.102  
 REMOVING LUMINAIRES  
 204.9060.S.104  
 REMOVING PULL BOXES\*  
 653.0905

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	204.0195 REMOVING CONCRETE BASES	204.9060.S.101 REMOVING DISTRIBUTION CENTER	204.9060.S.102 REMOVING LIGHTING UNITS	653.0905* REMOVING PULL BOXES	COMMENTS
					EACH	EACH	EACH	EACH	
1100	2	HL-40-LM	LPB-LM-4	222EW+12	-	-	-	1	
	3	HL-40-LM	ALM22	222EW+41	-	-	1	1	
	2	HL-40-LM	CLM1/DLM1	222EW+83	1	-	2	-	
	3	HL-40-LM	ELM3	223LRB+18	-	-	1	-	
	3	HL-40-LM	BLM4	223EW+75	-	-	1	-	
	3	HL-40-LM	ELM4	224LRB+85	-	-	1	-	
	2	HL-40-LM	CLM2/DLM2	225EW+17	1	-	2	-	
	3	HL-40-LM	LPB-LM-7	227LRA+61	-	-	-	1	
	3	HL-40-LM	BLM9	228LRA+06	-	-	1	-	
	3	HL-40-LM	BLM13	225EW+98	-	-	1	-	
	3	HL-40-LM	ELM5	226LRB+45	-	-	1	-	
	3	HL-40-LM	BLM10	229LRA+46	-	-	1	-	
	3	HL-40-LM	ALM9	229LRA+60	-	-	1	-	
	3	HL-40-LM	LPB-LM-8	230LRA+16	-	-	-	1	
	3	HL-40-LM	ALM11	230LRA+32	-	-	1	-	
	3	HL-40-LM	ALM10	230LRA+46	-	-	1	-	
	2	HL-40-LM	CLM3/DLM3	227EW+46	1	-	2	-	
	3	HL-40-LM	ELM6	228LRB+12	-	-	1	-	
	3	HL-40-LM	BLM12	228EW+51	-	-	1	-	
	3	HL-40-AR	FAR20	228LRE+70	-	-	1	-	
	3	HL-40-AR	EAR31	230LRB+85	-	-	1	-	
	2	HL-40-AR	CLM4/DLM4	231EWE+01	1	-	2	-	
	3	HL-40-AR	FAR32	232RD+52	-	-	1	-	
	3	HL-40-AR	FAR21	231LRE+86	-	-	1	-	
	2	HL-40-AR	EAR15	233EWW+31	-	-	1	-	
SUBTOTAL					4	0	22	26	3

653.0905\*  
 LAMP, BALLAST,  
 LED, SWITCH  
 DISPOSAL BY  
 CONTRACTOR

Addendum No. 01  
 ID 1100-45-70  
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 February 8, 2023

\* ADDITIONAL QUANTITIES SHOWN ELSEWHERE



LIGHTING - REMOVALS  
 204.0195  
 REMOVING CONCRETE BASES  
 204.9060.S.101  
 REMOVING DISTRIBUTION CENTER  
 204.9060.S.102  
 REMOVING LIGHTING UNITS  
 204.9060.S.104  
 REMOVING LUMINAIRES  
 REMOVING PULL BOXES\*  
 653.0905

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	204.0195 REMOVING CONCRETE BASES	204.9060.S.101 REMOVING DISTRIBUTION CENTER	204.9060.S.102 REMOVING LIGHTING UNITS	653.0905* REMOVING PULL BOXES	COMMENTS
1100	2	HL-40-AR	EAR7	233WE+45	1	1	1	1	659.5000 S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR
	3	HL-40-AR	FAR22	233LRE+92	-	-	-	-	
	3	HL-40-AR	EAR33	234LRD+50	-	-	-	-	
	3	HL-40-AR	FAR6	235LRE+89	-	-	-	-	
	2	HL-40-AR	FAR8	236WE+11	-	-	-	-	
	2	HL-40-AR	FAR16	235EWW+88	-	-	-	-	
	3	HL-40-AR	FAR34	237LRD+03	-	-	-	-	
	3	HL-40-AR	LPB+AR-7	237LRE+30	-	-	-	-	
	2	HL-40-AR	LPB+AR-6	237EWE+53	-	-	-	-	
	2	HL-40-AR	EAR9	238EWE+68	-	-	-	-	
	2	HL-40-AR	EAR17	238EWW+32	-	-	-	-	
	2	HL-40-AR	EAR11	241EWE+28	-	-	-	-	
	2	HL-40-AR	FAR18	240EWW+83	-	-	-	-	
	2	HL-40-AR	FAR10	243EWE+88	-	-	-	-	
	3	HL-40-AR	LPB+AR-5	243LRE+90	-	-	-	-	
	2	HL-40-AR	CAR5	243EWW+42	-	-	-	-	
	3	HL-40-AR	FAR12	246LRE+30	-	-	-	-	
	2	HL-40-AR	CAR4	245EWW+83	-	-	-	-	
	2	HL-40-AR	CAR3	248EWW+22	-	-	-	-	
	3	HL-40-AR	EAR13	248EWE+98	-	-	-	-	
	3	HL-40-AR	LPB+AR-1	248EWW+41	-	-	-	-	
	3	HL-40-AR	HL-40-AR	248EWW+71	-	-	-	-	
	3	HL-40-AR	LPB+AR-2	249EWW+86	-	-	-	-	
	3	HL-40-AR	CAR30	249EWW+86	-	-	-	-	
	2	HL-40-AR	LPB+AR-3	250EWW+00	-	-	-	-	
SUBTOTAL					0	1	18	18	6

659.5000 S  
 LAMP, BALLAST,  
 LED, SWITCH  
 DISPOSAL BY  
 CONTRACTOR

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 ID 1100-45-70  
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\* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LIGHTING - REMOVALS  
 204.0195 REMOVING CONCRETE BASES  
 204.9060 S.101 REMOVING DISTRIBUTION CENTER  
 204.9060 S.102 REMOVING LIGHTING UNITS  
 204.9060 S.104 REMOVING LUMINAIRES  
 653.0905 REMOVING PULL BOXES\*

CATEGORY	STAGE	SYSTEM	DESCRIPTION	LOCATION	204.0195 REMOVING CONCRETE BASES	204.9060 S.101 REMOVING DISTRIBUTION CENTER	204.9060 S.102 REMOVING LIGHTING UNITS	653.0905 S. LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR	653.0905* REMOVING PULL BOXES	COMMENTS
1100	2	HL-40-AR	LPBAR-4	255EWE+73	EACH	EACH	EACH	EACH	EACH	
	2	HL-40-AR	DAR2	250EWW+61	-	-	-	-	1	
	2	HL-40-AR	FAR14	251EWE+71	-	-	1	1	-	
	2	HL-40-TF	CTF1/DTF1	252EWW+65	-	-	1	2	-	
	2	HL-40-TF	CTF2/DTF2	239EWW+07	1	-	1	2	-	
	2	HL-40-TF	LPB-TF-2	239EWW+14	-	-	-	-	1	
	2	HL-40-TF	LPB-TF-1	255EWE+90	-	-	-	-	1	
	2	HL-40-TF	HL-40-TF	255EWE+90	-	1	-	-	-	
			SUBTOTAL		1	1	4	6	3	
			TOTAL		63	6	161	225	41	

653.0905 S.  
LAMP, BALLAST,  
LED, SWITCH  
DISPOSAL BY  
CONTRACTOR

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\* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

MOVING SIGNS

CATEGORY	STAGE	LOCATION	634.0622 POST WOODS 4X6-INCH X 22-FT EACH	638.2102 MOVING SIGNS TYPE I EACH
1000	2	RAMP TBE	3	1
STAGE 2 SUBTOTAL				
3				
<u>TOTAL</u>				
3				

\* ADDITIONAL QUANTITIES ELSEWHERE

TRAFFIC CONTROL CLOSURE ITEMS

CATEGORY	STAGE	LOCATION	643.4100 TRAFFIC CONTROL INTERIM LANE CLOSURE EACH	SPV.0060.022 TRAFFIC CONTROL CLOSE-OPEN FREEWAY ENTRANCE RAMP EACH	SPV.0060.024 TRAFFIC CONTROL LOCAL ROAD LANE CLOSURES EACH	SPV.0060.023 TRAFFIC CONTROL CLOSE-OPEN FREEWAY TO FREEWAY SV STEM RAMP EACH
1000	ALL	VARIOUS	700	560	30	5
TOTAL						
700						

TRAFFIC CONTROL

CATEGORY	STAGE	LOCATION	643.5000 TRAFFIC CONTROL EACH
1000	ALL	1100-45-70	0.8
TOTAL			
0.8			

TRAFFIC CONTROL DETOUR ITEMS

CATEGORY	STAGE	ROADWAY	DETOUR DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C	643.0800 TRAFFIC CONTROL ARROW BOARDS	643.0900 TRAFFIC CONTROL SIGNS TYPE II	643.0920 TRAFFIC CONTROL COVERING SIGNS	643.1050 TRAFFIC CONTROL SIGNS TYPE I								
1000	2,3 & 4	<u>FULL CLOSURE</u> H-43 NB RAMP RAMP NW	200 50	130 80	26,000 4,000	12 5	2,400 250	4,800 500	24 10	84 50	16,800 2,500	95 133	19,000 6,650	-- --	-- --	1 1	200 50		
1000	2 & 3	<u>FULL CLOSURE</u> H-41 NB/43 SB/894 VB H-41 SB/43 NB/894 EB	2	115	230	15	30	30	60	80	160	4	8	380	760	3	6	4	36
1000	2 & 3	<u>FULL CLOSURE</u> 35TH STREET	15	115	1,725	16	240	32	480	--	--	--	156	2,340	--	--	2	44	
1000	3	<u>FULL CLOSURE</u> 51ST STREET	14	--	--	20	280	--	--	--	--	--	134	1,876	--	--	2	42	
		UNDISTRIBUTED		219		44	88	32	32			2	560			1	16		
SUBTOTAL				32,404	3,134	6,268	19,652	118	31,806	7	424								
CONTRACT TOTAL				32,404	3,134	6,268	19,652	118	31,806	7	424								

\* ADDITIONAL QUANTITIES ELSEWHERE  
\*\* FOR INFORMATION ONLY

NOTES: PLACE POMS SIGNS WITH CLOSURE DATES 7 DAYS PRIOR TO FULL CLOSURES

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ID 1100-45-70  
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TRAFFIC CONTROL ITEMS

CATEGORY	ROADWAY	STAGE DURATION DAYS	614.0905		643.0300		643.0420		643.0705		643.0800		643.0900		643.0920		643.1050		643.1200.S	
			CRASH CUSHION TEMPORARY EACH	EACH*	TRAFFIC CONTROL DRUMS EACH*	DAY	TRAFFIC CONTROL BARRICADES TY/FE III EACH*	DAY	TRAFFIC CONTROL WARNING LIGHTS TY/FE A EACH*	DAY	TRAFFIC CONTROL WARNING LIGHTS TY/FE A EACH*	DAY	TRAFFIC CONTROL ARROW BOARDS EACH*	DAY	TRAFFIC CONTROL SIGNS EACH*	DAY	TRAFFIC COVERING SIGNS TY/FE II EACH*	DAY	TRAFFIC CONTROL SIGNS POMS EACH*	DAY
1000	STAGE 1 IH-41 NB/43 SB/894 WB IH-41 SB/43 NB/894 EB	12	--	180	2,160	10	120	20	240	15	180	2	24	22	264	--	1	19	1	12
	UNDISTRIBUTED		--	210	2,520	14	168	28	336	15	180	2	24	26	312	--	1	19	--	--
	STAGE 1A SUBTOTAL			5,148	317	634	396	53	634	396	53	53	634	634	42	42	42	42	14	14
1000	STAGE 2A/2B IH-41 NB/43 SB/894 WB IH-41 SB/43 NB/894 EB	77	3	360	27,720	58	4,466	116	8,932	50	3,850	3	231	80	6,160	--	1	84	1	77
	RAMP TAA		--	310	23,870	59	4,543	118	9,086	50	3,850	3	231	72	5,544	3	42	1	84	1
	RAMP TAB		--	15	1,155	--	--	--	--	15	1,155	--	--	3	231	--	--	--	--	--
	RAMP TBA		--	--	--	--	--	--	--	--	--	--	--	2	154	--	--	--	--	--
	RAMP TBB		--	12	924	1	77	2	154	--	--	--	--	2	154	--	--	--	--	--
	RAMP TCB		--	--	--	--	--	--	--	--	--	--	--	4	308	--	--	--	--	--
	RAMP TCA		--	--	--	--	--	--	--	--	--	--	--	1	77	--	--	--	--	--
	RAMP TCC		--	--	--	--	--	--	--	--	--	--	--	3	231	--	--	--	--	--
	RAMP TCD		--	--	--	--	--	--	--	--	--	--	--	2	154	--	--	--	--	--
	RAMP TCE		--	--	--	--	--	--	--	--	--	--	--	3	231	--	--	--	--	--
	RAMP TCA		--	--	--	--	--	--	--	--	--	--	--	2	154	--	--	--	--	--
	RAMP TCB		--	--	--	--	--	--	--	--	--	--	--	2	154	--	--	--	--	--
	RAMP TCC		--	12	924	--	--	--	--	--	--	--	--	1	77	--	--	--	--	--
	RAMP TCD		--	12	924	--	--	--	--	--	--	--	--	1	77	--	--	--	--	--
	RAMP TCE		--	--	--	--	--	--	--	--	--	--	--	1	77	--	--	--	--	--
	LOCAL ROADS 84TH STREET	10	--	174	1,740	11	110	22	220	8	80	1	10	25	250	--	--	1	13	--
	NIGHTTIME CLOSURES	15	--	20	300	4	60	8	120	--	--	--	--	6	90	--	--	1	22	--
	RAMP TAA		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	RAMP TAB		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	RAMP TBA		--	20	300	4	60	8	120	--	--	--	--	6	90	--	--	1	22	--
	RAMP TBB		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	RAMP TCB		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	RAMP TCA		--	20	300	4	60	8	120	--	--	--	--	6	90	--	--	1	22	--
	RAMP TCC		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	RAMP TCD		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	RAMP TCE		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	RAMP TCA		--	20	300	4	60	8	120	--	--	--	--	6	90	--	--	1	22	--
	RAMP TCB		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	RAMP TCC		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	RAMP TCD		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	RAMP TCE		--	15	225	4	60	8	120	--	--	--	--	50	750	--	--	2	44	--
	UNDISTRIBUTED		1	6,094	1,012	2,023	894	48	1,992	5	65	16	170	47	708	47	708	47	708	170
	STAGE 2 SUBTOTAL		7	67,026	11,125	22,249	9,829	520	21,905	21,905	21,905	21,905	21,905	21,905	21,905	21,905	21,905	21,905	21,905	21,905

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TRAFFIC CONTROL ITEMS												
STAGE DURATION DAYS	614.0905	643.0300	643.0420	643.0705	643.0715	643.0800	643.0900	643.0920	643.1050	643.1200.S		
CRASH CUSHION TEMPORARY	TRAFFIC CONTROL DRUMS	TRAFFIC CONTROL BARRICADES	TRAFFIC CONTROL WARNING LIGHTS	TRAFFIC CONTROL WARNING LIGHTS TYPE A	TRAFFIC CONTROL WARNING LIGHTS TYPE C	TRAFFIC CONTROL ARROW BOARDS	TRAFFIC CONTROL SIGNS	TRAFFIC CONTROL COVERING SIGNS TYPE II	TRAFFIC CONTROL SIGNS PCMS	PORTABLE AUTOMATED REAL-TIME TRAFFIC QUEUE WARNING SYSTEM		
EACH	EACH* DAY	EACH* DAY	EACH* DAY	EACH* DAY	EACH* DAY	EACH* DAY	EACH* DAY	EACH* DAY	EACH* DAY	EACH* DAY		
46												
1000												
STAGE 3												
IH41 NB/43 SB/894 WB	360	16,560	49	2,254	50	2,300	44	2,024	1	53	1	46
IH41 SB/43 NB/894 EB	310	14,260	50	2,300	50	2,300	36	1,656	1	53	1	46
RAMP TAA	34	2,484										
RAMP TAB												
RAMP FHA	27	1,242			21	966	1	46				
RAMP FHB	14	644			14	644	2	92				
RAMP TBA	48	2,208	1	46	22	1,012	4	184				
RAMP TBB	17	782			9	414	2	92				
RAMP TCA	31	1,426			25	1,150	3	138				
RAMP TCB	18	828			9	414	2	92				
RAMP TCC	36	1,656			30	1,380	3	138				
RAMP TCD	20	920			12	552	2	92				
RAMP LRA	36	1,656	1	46	24	1,104	3	138				
RAMP LRB	17	782			9	414						
RAMP LRC	54	2,484			13	598	3	138				
RAMP LRE	17	782			24	1,104	3	138				
4												
LOCAL ROADS												
68TH STREET	24	96	2	8	5	20	8	32	2	14		
30TH STREET	24	96	2	8	5	20	8	32	2	14		
15												
NIGHTTIME CLOSURES												
RAMP TAA	20	300	4	60					1	22		
RAMP TAB	15	225	4	60	8	120			2	44		
RAMP FHA	15	225	4	60	8	120			2	44		
RAMP FHB	20	300	4	60	8	120			1	22		
RAMP TBA	15	225	4	60	8	120			2	44		
RAMP TBB	20	300	4	60	8	120			1	22		
RAMP TCA	15	225	4	60	8	120			2	44		
RAMP TCB	20	300	4	60	8	120			1	22		
RAMP TCC	15	225	4	60	8	120			2	44		
RAMP TCD	20	300	4	60	8	120			1	22		
RAMP LRA	15	225	4	60	8	120			2	44		
RAMP LRB	20	300	4	60	8	120			1	22		
RAMP LRC	15	225	4	60	8	120			2	44		
RAMP LRD	20	300	4	60	8	120			1	22		
UNDISTRIBUTED												
	5,259	551	551	1,101	1,440	28	1,105	60	60	10		
STAGE 3 SUBTOTAL	57,840	6,053	12,105	15,832	304	12,155	686					

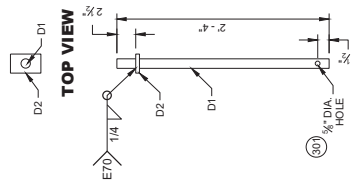
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February 8, 2023

TRAFFIC CONTROL ITEMS		* 643.0300		* 643.0420		* 643.0705		* 643.0715		* 643.0800		* 643.0900		* 643.0920		* 643.1050		* 643.1200.S	
CATEGORY	ROADWAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY	EACH*	DAY
1000	STAGE 4	360	28,800	49	3,920	8	80	50	4,000	3	240	44	3,520	--	--	1	87	--	--
	IH41 NB/43 SB/894 WB	310	24,800	50	4,000	100	8,000	50	4,000	3	240	36	2,880	--	--	1	87	--	--
	IH41 SB/43 NB/894 EB																		
	10 NIGHTTIME CLOSURES	20	200	4	40	8	80	--	--	--	--	6	60	--	--	1	17	--	--
	RAMP TAA	15	150	4	40	8	80	--	--	--	--	50	500	--	--	2	34	--	--
	RAMP TAB	15	150	4	40	8	80	--	--	--	--	50	500	--	--	2	34	--	--
	RAMP FHA	20	200	4	40	8	80	--	--	--	--	6	60	--	--	1	17	--	--
	RAMP FHB	15	150	4	40	8	80	--	--	--	--	50	500	--	--	2	34	--	--
	RAMP TBA	20	200	4	40	8	80	--	--	--	--	6	60	--	--	1	17	--	--
	RAMP TBB	15	150	4	40	8	80	--	--	--	--	50	500	--	--	2	34	--	--
	RAMP TCA	15	150	4	40	8	80	--	--	--	--	50	500	--	--	2	34	--	--
	RAMP TCB	20	200	4	40	8	80	--	--	--	--	6	60	--	--	1	17	--	--
	RAMP TCC	15	150	4	40	8	80	--	--	--	--	50	500	--	--	2	34	--	--
	RAMP TCD	20	200	4	40	8	80	--	--	--	--	6	60	--	--	1	17	--	--
	RAMP LRA	15	150	4	40	8	80	--	--	--	--	50	500	--	--	2	34	--	--
	RAMP LRB	20	200	4	40	8	80	--	--	--	--	6	60	--	--	1	17	--	--
	RAMP LRC	15	150	4	40	8	80	--	--	--	--	50	500	--	--	2	34	--	--
	RAMP LRD	20	200	4	40	8	80	--	--	--	--	6	60	--	--	1	17	--	--
	UNDISTRIBUTED	5,605		848		1,696		800		48		1,032				54			
	STA GE 4 SUBTOTAL	61,655		9,328		18,656		800		528		11,352				585			
	CONTRACT TOTAL	191,669		26,823		53,644		34,857		1,405		46,046				1,991			

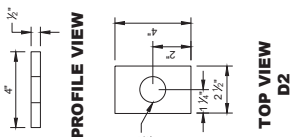
\* ADDITIONAL QUANTITIES ELSEWHERE  
\*\* FOR INFORMATION ONLY

**GENERAL NOTES**

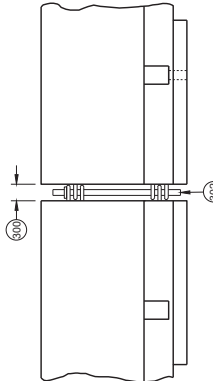
- 300 SET WITH 3/4" WOOD BLOCK.
- 301 HOLE IS OPTIONAL.
- 302 CONNECTOR PIN ASSEMBLY.
- 303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.
- 304 CONCRETE DECK.
- 305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.
- 306 MINIMUM OF 2" OF ASPHALT.
- 307 ASPHALT ANCHOR PIN ASSEMBLY
- 308 IF DRILLING A PILOT HOLE, THE MAX DIA. OF THE PILOT HOLE IS 3/4".



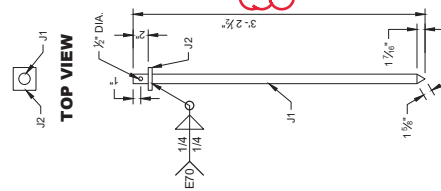
**CONNECTOR PIN ASSEMBLY**



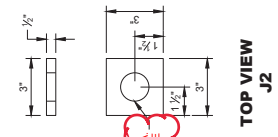
**CONNECTOR PIN ASSEMBLY**



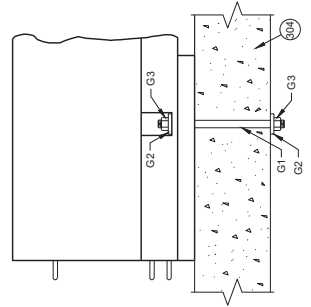
**CONNECTING TEMPORARY BARRIER SECTIONS**



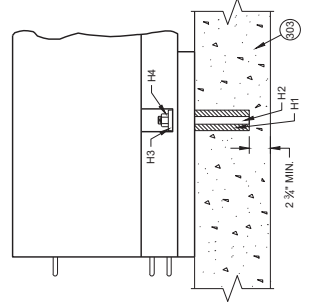
**ASPHALT ANCHOR PIN ASSEMBLY**



**ASPHALT ANCHOR PIN ASSEMBLY**



**THROUGH BOLT ANCHOR INSTALLATION**



**ADHESIVE ANCHOR INSTALLATION**

Addendum No. 01  
ID 1100-45-70  
Revised Sheet 539  
February 8, 2023

**CONCRETE BARRIER  
TEMPORARY PRECAST,  
12' - 6"**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION **539**



# SDD 15D49 Traffic Control, System Ramp Closure

## LEGEND

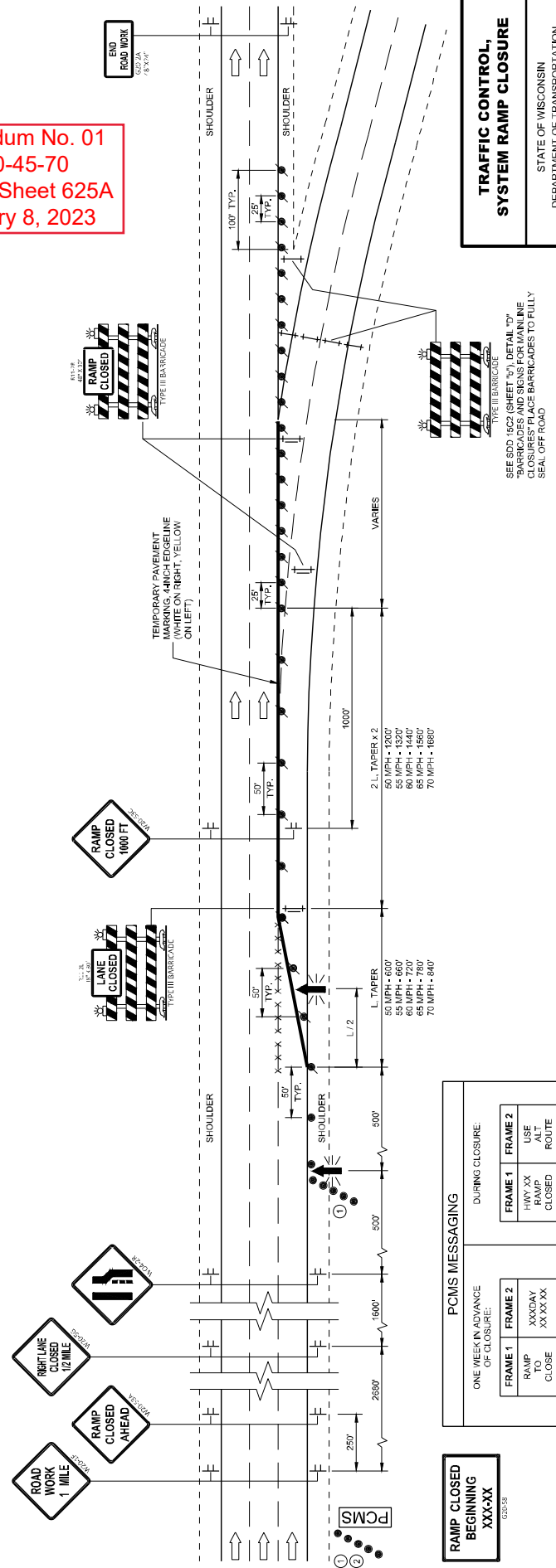
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "X" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- PCMS PORTABLE CHANGEABLE MESSAGE BOARD

## GENERAL NOTES

- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, INCLUDING PCMS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (300 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.
- THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.
- ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.
- TWO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR DOWNED SIGNS.
- FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

- WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.
- CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.
- WHEN A RAMP INTERSECTS THE FACILITY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
- REMOVE ALL ARROWBOARDS AND DEVICES BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS.
- REFER TO SDD 15C2 FOR SETTING DETOUR SIGNAGE.
- ADD FREEWAY SHIELD AND DIRECTION IF APPLICABLE. COVER EXISTING RAMP AND LANE SIGNS IF APPLICABLE.
- 5 DRUMS SPACED AT 10 FOOT INTERVALS.
- DURING THE PRE-WARNING PERIOD, PLACE THE PCMS AT THE SYSTEM RAMP THAT IS TO BE CLOSED. DURING CLOSURE PERIOD, PLACE PCMS ON THE SYSTEM RAMP IN ADVANCE OF THE SYSTEM RAMP CLOSURE. IF DYNAMIC MESSAGE SIGNS (DMS) ARE AVAILABLE, COORDINATE POTENTIAL SIGN MESSAGES WITH THE TRAFFIC MANAGEMENT CENTER (TMC).

Addendum No. 01  
ID 1100-45-70  
Added Sheet 625A  
February 8, 2023



**RAMP CLOSED BEGINNING XXX-XX**  
022528

**PCMS MESSAGING**

ONE WEEK IN ADVANCE OF CLOSURE:

FRAME 1	FRAME 2
RAMP TO CLOSE	XXXXXX XX XX XX

DURING CLOSURE:

FRAME 1	FRAME 2
HWY XX RAMP CLOSED	USE ALT ROUTE

**TRAFFIC CONTROL, SYSTEM RAMP CLOSURE**

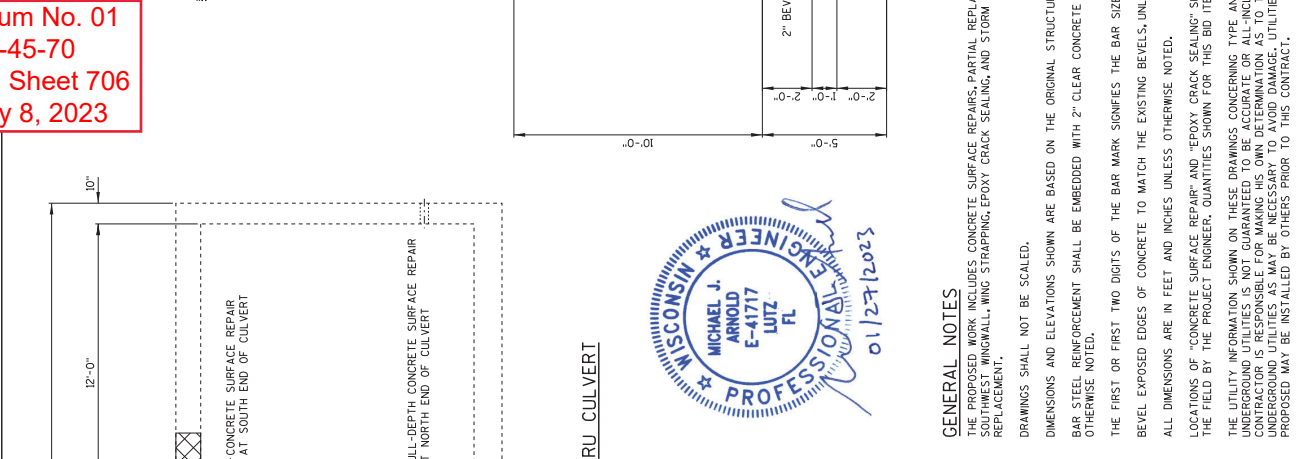
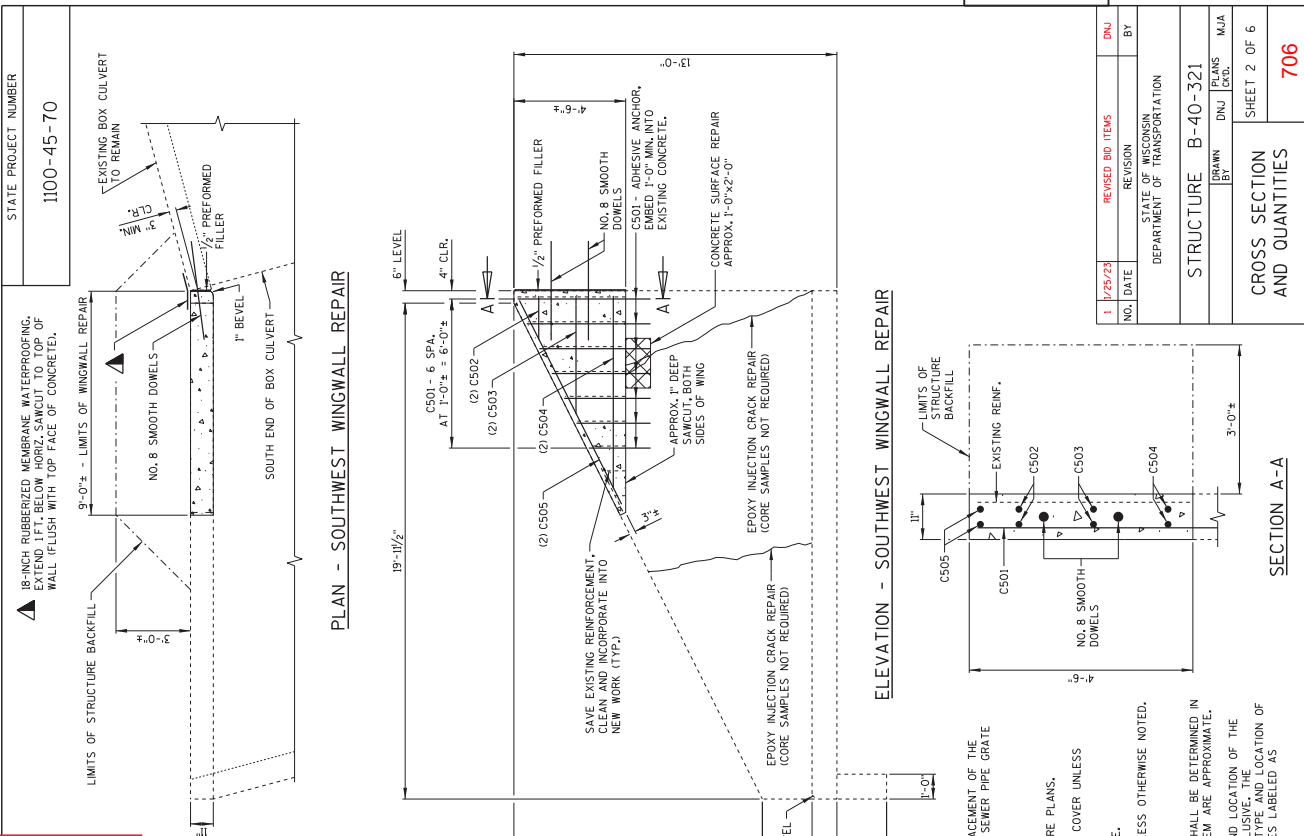
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2021  
DATE

ISS/ Andrew Hecking  
WORK ZONE ENGINEER  
625A



Addendum No. 01  
ID 1100-45-70  
Revised Sheet 706  
February 8, 2023



**BILL OF BARS**

BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION	TOTAL WEIGHT = 80 LBS
C501	7	3'-10"	Δ	SW WINGWALL - OUTSIDE FACE - ADHESIVE ANCHOR	VERT.	
C502	2	1'-9"		SW WINGWALL - EACH FACE	HORIZ.	
C503	2	4'-9"		SW WINGWALL - EACH FACE	HORIZ.	
C504	2	4'-9"		SW WINGWALL - EACH FACE	HORIZ.	
C505	2	9'-4"		SW WINGWALL - EACH FACE - TOP	HORIZ.	

**BAR SERIES**

MARK	NO. REQ'D	LENGTH
C501	1 SET OF 7	2'-4" TO 5'-4"

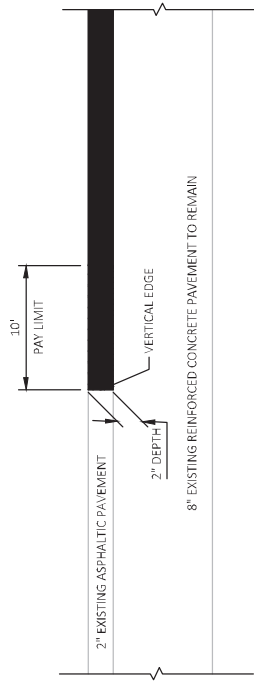
**TOTAL ESTIMATED QUANTITIES**

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
203.0220.401	REMOVING STRUCTURE B-40-321	EACH	1
206.2001.401	EXCAVATION FOR STRUCTURES CULVERTS B-40-321	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	5
416.0620	DRILLED DOWEL BARS	EACH	2
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	7
504.0000	CONCRETE MASONRY CULVERTS	CY	1
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	80
505.1500	CONCRETE SURFACE REPAIR	SF	48
509.9020.5	EPOXY CRACK SEALING	LF	155
516.0500.5	EPOXY INJECTION CRACK REPAIR	LF	15
516.0500.5	EPOXY INJECTION CRACK REPAIR	LF	15
611.9600.5.001	RUBBERIZED MEMBRANE WATERPROOFING	SF	1
611.9600.5.002	PIPE GRATES, 84-INCH	EACH	1
SPV2060.401	STRAPPING B-40-321	EACH	3
SPV2060.403	CONCRETE CHANNEL LINING REPAIR	EACH	1
	NON-BID ITEMS	SIZE	1/2"

**GENERAL NOTES**

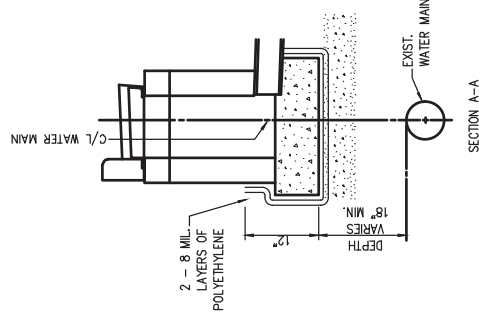
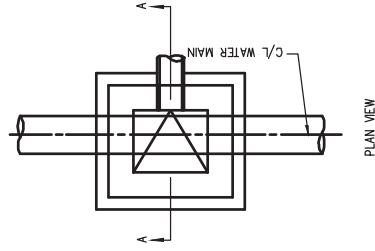
- THE PROPOSED WORK INCLUDES CONCRETE SURFACE REPAIRS, PARTIAL REPLACEMENT OF THE SOUTHWEST WINGWALL, WING STRAPPING, EPOXY CRACK SEALING, AND STORM SEWER PIPE GRATE REPLACEMENT.
- DRAWINGS SHALL NOT BE SCALED.
- DIMENSIONS AND ELEVATIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.
- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED WITH 2" CLEAR CONCRETE COVER UNLESS OTHERWISE NOTED.
- THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.
- BEVEL EXPOSED EDGES OF CONCRETE TO MATCH THE EXISTING BEVELS, UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
- LOCATIONS OF "CONCRETE SURFACE REPAIR" AND "EPOXY CRACK SEALING" SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. QUANTITIES SHOWN FOR THIS BID ITEM ARE APPROXIMATE.
- THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF THE UNDERGROUND UTILITIES IS FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

FILE NAME: I:\Energy\Projects\Transportation\H 4384 Airport Freeway\CDD\Sheets\B-40-321\B-40-321-Cross Sections.dgn  
 PLOT DATE: 1/25/2023  
 PLOT TIME: 7:37:49 PM  
 BATCH PRINT SHEET 2 OF 6



-  REMOVING ASPHALTIC SURFACE MILLING
-  REMOVING ASPHALTIC SURFACE BUTT JOINTS

REMOVING ASPHALTIC SURFACE BUTT JOINTS

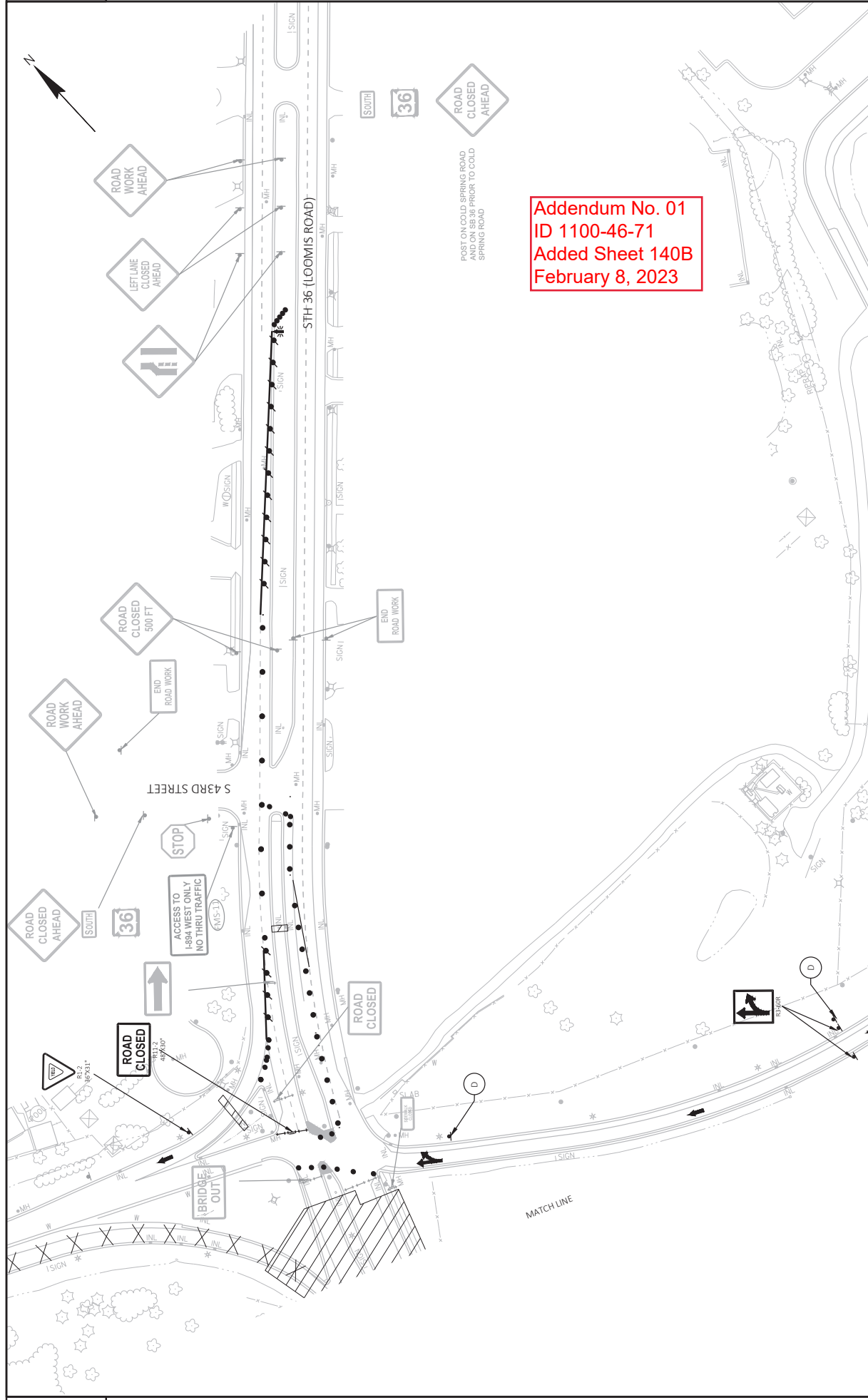


**WATER MAIN PROTECTION**  
 INSTALL ON ALL CATCH BASINS OR INLETS WITH LESS THAN 24" HORIZONTAL OUT-TO-OUT CLEARANCE FROM STRUCTURE TO WATER MAIN

SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS

Addendum No. 01  
 ID 1100-46-71  
 Revised Sheet 15  
 February 8, 2023





**Addendum No. 01**  
**ID 1100-46-71**  
**Added Sheet 140B**  
**February 8, 2023**

POST ON COLD SPRINGS ROAD AND STOP PRIOR TO COLD SPRINGS ROAD



Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001 Roadway 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	29.000 STA	_____.	_____.
0004	201.0120 Clearing	82.000 ID	_____.	_____.
0006	201.0205 Grubbing	27.000 STA	_____.	_____.
0008	201.0220 Grubbing	82.000 ID	_____.	_____.
0010	203.0211.S Abatement of Asbestos Containing Material (structure) 400. B-40-0198	1.000 EACH	_____.	_____.
0012	203.0220 Removing Structure (structure) 400. B-40-0198	1.000 EACH	_____.	_____.
0014	203.0220 Removing Structure (structure) 401. B-40-321	1.000 EACH	_____.	_____.
0016	203.0330 Debris Containment (structure) 400. B-40-0198	1.000 EACH	_____.	_____.
0018	204.0100 Removing Concrete Pavement	43,726.000 SY	_____.	_____.
0020	204.0105 Removing Concrete Pavement Butt Joints	168.000 SY	_____.	_____.
0022	204.0109.S Removing Concrete Surface Partial Depth	60,519.000 SF	_____.	_____.
0024	204.0115 Removing Asphaltic Surface Butt Joints	4,504.000 SY	_____.	_____.
0026	204.0120 Removing Asphaltic Surface Milling	253,619.000 SY	_____.	_____.
0028	204.0150 Removing Curb & Gutter	22,847.000 LF	_____.	_____.
0030	204.0155 Removing Concrete Sidewalk	701.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	204.0157 Removing Concrete Barrier	36,173.000 LF	_____.	_____.
0034	204.0165 Removing Guardrail	1,487.000 LF	_____.	_____.
0036	204.0170 Removing Fence	504.000 LF	_____.	_____.
0038	204.0175 Removing Concrete Slope Paving	452.000 SY	_____.	_____.
0040	204.0195 Removing Concrete Bases	88.000 EACH	_____.	_____.
0042	204.0210 Removing Manholes	70.000 EACH	_____.	_____.
0044	204.0220 Removing Inlets	225.000 EACH	_____.	_____.
0046	204.0245 Removing Storm Sewer (size) 801. 12-Inch	2,177.000 LF	_____.	_____.
0048	204.0245 Removing Storm Sewer (size) 802. 15-Inch	853.000 LF	_____.	_____.
0050	204.0245 Removing Storm Sewer (size) 803. 18-Inch	1,066.000 LF	_____.	_____.
0052	204.0245 Removing Storm Sewer (size) 804. 21-Inch	576.000 LF	_____.	_____.
0054	204.0245 Removing Storm Sewer (size) 805. 24-Inch	783.000 LF	_____.	_____.
0056	204.0245 Removing Storm Sewer (size) 806. 30-Inch	534.000 LF	_____.	_____.
0058	204.0245 Removing Storm Sewer (size) 807. 36-Inch	9.000 LF	_____.	_____.
0060	204.0245 Removing Storm Sewer (size) 808. 42-Inch	21.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

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SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0062	204.9060.S Removing (item description) 001. Ramp Gate	2.000 EACH	_____.	_____.
0064	204.9060.S Removing (item description) 002. Subsurface Structure	1.000 EACH	_____.	_____.
0066	204.9060.S Removing (item description) 100. Underdeck Lighting B-40-198	1.000 EACH	_____.	_____.
0068	204.9060.S Removing (item description) 101. Distribution Center	6.000 EACH	_____.	_____.
0070	204.9060.S Removing (item description) 102. Lighting Units	161.000 EACH	_____.	_____.
0074	204.9060.S Removing (item description) 106. Poles Wood 60-FT and Floodlights	83.000 EACH	_____.	_____.
0076	204.9060.S Removing (item description) 107. Poles Wood 35-FT	2.000 EACH	_____.	_____.
0078	204.9060.S Removing (item description) 200. Overhead Freeway DMS	2.000 EACH	_____.	_____.
0080	204.9060.S Removing (item description) 300. Electrical Service Meter Breaker Pedestal	2.000 EACH	_____.	_____.
0082	204.9060.S Removing (item description) 301. Communication Vault	1.000 EACH	_____.	_____.
0084	204.9060.S Removing (item description) 302. Traffic Signals IH 41 EB Ramps & STH 36	1.000 EACH	_____.	_____.
0086	204.9060.S Removing (item description) 303. Traffic Signals IH 41 WB Ramps & STH 36	1.000 EACH	_____.	_____.
0088	204.9060.S Removing (item description) 304. Traffic Signals I-894 EB Ramps & S 84TH St	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0090	204.9060.S Removing (item description) 305. Loop Detector Wire and Lead-In Cable, IH 41 EB Ramps & STH 36	1.000 EACH	_____.	_____.
0092	204.9060.S Removing (item description) 306. Loop Detector Wire and Lead-In Cable, IH 41 WB Ramps & STH 36	1.000 EACH	_____.	_____.
0094	204.9060.S Removing (item description) 307. Loop Detector Wire and Lead-In Cable STH 36 & Layton	1.000 EACH	_____.	_____.
0096	204.9060.S Removing (item description) 480. Old Sign Structure S-40-109	1.000 EACH	_____.	_____.
0098	204.9060.S Removing (item description) 485. Old Sign Structure S-40-009	1.000 EACH	_____.	_____.
0100	204.9060.S Removing (item description) 490. Old Sign Structure S-40-221	1.000 EACH	_____.	_____.
0102	204.9060.S Removing (item description) 495. Old Sign Structure S-40-219	1.000 EACH	_____.	_____.
0104	205.0100 Excavation Common	99,426.000 CY	_____.	_____.
0106	206.1001 Excavation for Structures Bridges (structure) 400. B-40-1025	1.000 EACH	_____.	_____.
0108	206.2001 Excavation for Structures Culverts (structure) 401. B-40-321	1.000 EACH	_____.	_____.
0110	208.1100 Select Borrow	2,895.000 CY	_____.	_____.
0112	210.2500 Backfill Structure Type B	179.000 TON	_____.	_____.
0114	213.0100 Finishing Roadway (project) 001. 1100-45-70	1.000 EACH	_____.	_____.





Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0116	213.0100 Finishing Roadway (project) 002. 1100-46-71	1.000 EACH	_____.	_____.
0118	214.0100 Obliterating Old Road	6.000 STA	_____.	_____.
0120	305.0110 Base Aggregate Dense 3/4-Inch	47.000 TON	_____.	_____.
0122	305.0120 Base Aggregate Dense 1 1/4-Inch	43,225.000 TON	_____.	_____.
0124	312.0110 Select Crushed Material	100,185.000 TON	_____.	_____.
0126	390.0403 Base Patching Concrete Shes	2,210.000 SY	_____.	_____.
0128	415.0080 Concrete Pavement 8-Inch	2,258.000 SY	_____.	_____.
0130	415.0085 Concrete Pavement 8 1/2-Inch	13,779.000 SY	_____.	_____.
0132	415.0410 Concrete Pavement Approach Slab	680.000 SY	_____.	_____.
0134	416.0160 Concrete Driveway 6-Inch	21.000 SY	_____.	_____.
0136	416.0260 Concrete Driveway HES 6-Inch	14.000 SY	_____.	_____.
0138	416.0610 Drilled Tie Bars	10,296.000 EACH	_____.	_____.
0140	416.0620 Drilled Dowel Bars	4,718.000 EACH	_____.	_____.
0142	450.4000 HMA Cold Weather Paving	9,761.000 TON	_____.	_____.
0144	455.0605 Tack Coat	50,790.000 GAL	_____.	_____.
0146	460.0105.S HMA Percent Within Limits (PWL) Test Strip Volumetrics	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0148	460.0110.S HMA Percent Within Limits (PWL) Test Strip Density	2.000 EACH	_____.	_____.
0150	460.0115.S HMA Pavement Test Strips Volumetrics	1.000 EACH	_____.	_____.
0152	460.0120.S HMA Pavement Test Strips Density	1.000 EACH	_____.	_____.
0154	460.2000 Incentive Density HMA Pavement	1,910.000 DOL	1.00000	1,910.00
0156	460.2005 Incentive Density PWL HMA Pavement	13,740.000 DOL	1.00000	13,740.00
0158	460.2007 Incentive Density HMA Pavement Longitudinal Joints	25,960.000 DOL	1.00000	25,960.00
0160	460.2010 Incentive Air Voids HMA Pavement	61,200.000 DOL	1.00000	61,200.00
0162	460.6224 HMA Pavement 4 MT 58-28 S	2,963.000 TON	_____.	_____.
0164	460.7423 HMA Pavement 3 HT 58-28 H	63,532.000 TON	_____.	_____.
0166	460.8624 HMA Pavement 4 SMA 58-28 V	26,445.000 TON	_____.	_____.
0168	460.9000.S Material Transfer Vehicle	1.000 EACH	_____.	_____.
0170	465.0120 Asphaltic Surface Driveways and Field Entrances	6.000 TON	_____.	_____.
0172	465.0125 Asphaltic Surface Temporary	4,521.000 TON	_____.	_____.
0174	502.0100 Concrete Masonry Bridges	2,353.000 CY	_____.	_____.
0176	502.3200 Protective Surface Treatment	4,382.000 SY	_____.	_____.
0178	502.3205 Pigmented Surface Sealer Reseal	7,806.000 SY	_____.	_____.



Proposal Schedule of Items

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SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0180	502.3210 Pigmented Surface Sealer	410.000 SY	_____.	_____.
0182	502.3215 Protective Surface Treatment Reseal	3,426.000 SY	_____.	_____.
0184	502.4205 Adhesive Anchors No. 5 Bar	7.000 EACH	_____.	_____.
0186	503.0146 Prestressed Girder Type I 45W-Inch	3,614.000 LF	_____.	_____.
0188	504.0100 Concrete Masonry Culverts	1.000 CY	_____.	_____.
0190	505.0400 Bar Steel Reinforcement HS Structures	28,260.000 LB	_____.	_____.
0192	505.0600 Bar Steel Reinforcement HS Coated Structures	423,870.000 LB	_____.	_____.
0194	505.0800.S Bar Steel Reinforcement HS Stainless Structures	5,410.000 LB	_____.	_____.
0196	506.2605 Bearing Pads Elastomeric Non-Laminated	72.000 EACH	_____.	_____.
0198	506.4000 Steel Diaphragms (structure) 400. B-40-1025	68.000 EACH	_____.	_____.
0200	509.0301 Preparation Decks Type 1	28.000 SY	_____.	_____.
0202	509.0302 Preparation Decks Type 2	14.000 SY	_____.	_____.
0204	509.0310.S Sawing Pavement Deck Preparation Areas	286.000 LF	_____.	_____.
0206	509.0500 Cleaning Decks	4,354.000 SY	_____.	_____.
0208	509.1200 Curb Repair	8.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

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SECTION: 0001 Roadway Items

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0210	509.1500 Concrete Surface Repair	836.000 SF	_____.	_____.
0212	509.2000 Full-Depth Deck Repair	3.000 SY	_____.	_____.
0214	509.9020.S Epoxy Crack Sealing	320.000 LF	_____.	_____.
0216	509.9025.S Epoxy Injection Crack Repair	15.000 LF	_____.	_____.
0218	511.1200 Temporary Shoring (structure) 400. B-40-1025	3,276.000 SF	_____.	_____.
0220	511.1200 Temporary Shoring (structure) 401. R-40-716	210.000 SF	_____.	_____.
0222	511.2200 Temporary Shoring Left in Place (structure) 400. R-40-717	210.000 SF	_____.	_____.
0224	513.2001 Railing Pipe	318.000 LF	_____.	_____.
0226	513.4091 Railing Tubular Screening	484.000 LF	_____.	_____.
0228	516.0500 Rubberized Membrane Waterproofing	71.000 SY	_____.	_____.
0230	517.1801.S Structure Repainting Recycled Abrasive (structure) 400. B-40-196	1.000 EACH	_____.	_____.
0232	517.1801.S Structure Repainting Recycled Abrasive (structure) 401. B-40-197	1.000 EACH	_____.	_____.
0234	517.4501.S Negative Pressure Containment and Collection of Waste Materials (structure) 400. B-40-196	1.000 EACH	_____.	_____.
0236	517.4501.S Negative Pressure Containment and Collection of Waste Materials (structure) 401. B-40-197	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

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SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0238	517.6001.S Portable Decontamination Facility	2.000 EACH	_____.	_____.
0240	520.8000 Concrete Collars for Pipe	161.000 EACH	_____.	_____.
0242	521.2005.S Surface Drain Pipe Corrugated Metal Slotted (inch) 001. 15-Inch	4,795.000 LF	_____.	_____.
0244	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	1.000 EACH	_____.	_____.
0246	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	2.000 EACH	_____.	_____.
0248	531.1100 Concrete Masonry Ancillary Structures Type NS	265.000 CY	_____.	_____.
0250	531.1140 Steel Reinforcement HS Ancillary Structures Type NS	22,605.000 LB	_____.	_____.
0252	531.1160 Steel Reinforcement HS Coated Ancillary Structures Type NS	13,460.000 LB	_____.	_____.
0254	531.2024 Drilling Shaft 24-Inch	20.000 LF	_____.	_____.
0256	531.2036 Drilling Shaft 36-Inch	250.000 LF	_____.	_____.
0258	531.2042 Drilling Shaft 42-Inch	184.000 LF	_____.	_____.
0260	531.2048 Drilling Shaft 48-Inch	23.000 LF	_____.	_____.
0262	531.4050 Foundation Camera Pole 50-FT	3.000 EACH	_____.	_____.
0264	531.5310 Foundation Single-Shaft Type TC-I (structure) 400. S-40-3095	1.000 EACH	_____.	_____.
0266	531.5310 Foundation Single-Shaft Type TC-I (structure) 401. S-40-3097	1.000 EACH	_____.	_____.



Proposal Schedule of Items

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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0268	531.5330 Foundation Single-Shaft Type TC-III (structure) 400. S-40-3096	1.000 EACH	_____.	_____.
0270	531.6010 Foundation Two-Shaft Type FC-I (structure) 480. S-40-3099	1.000 EACH	_____.	_____.
0272	531.6010 Foundation Two-Shaft Type FC-I (structure) 485. S-40-3100	1.000 EACH	_____.	_____.
0274	531.8990 Anchor Assemblies Poles on Structures	14.000 EACH	_____.	_____.
0276	532.5020 Butterfly 2-Chord NS (structure) 490. S-40-3101	1.000 EACH	_____.	_____.
0278	532.5020 Butterfly 2-Chord NS (structure) 495. S-40-3102	1.000 EACH	_____.	_____.
0280	532.5310 Truss Cantilever 2-Chord Type I (structure) 400. S-40-3095	1.000 EACH	_____.	_____.
0282	532.5310 Truss Cantilever 2-Chord Type I (structure) 402. S-40-3097	1.000 EACH	_____.	_____.
0284	532.5330 Truss Cantilever 2-Chord Type III (structure) 401. S-40-3096	1.000 EACH	_____.	_____.
0286	532.6000 Truss Cantilever 4-Chord Type NS (structure) 480. S-40-3099	1.000 EACH	_____.	_____.
0288	532.6000 Truss Cantilever 4-Chord Type NS (structure) 485. S-40-3100	1.000 EACH	_____.	_____.
0290	550.0600 Pile Redriving	27.000 EACH	_____.	_____.
0292	550.1100 Piling Steel HP 10-Inch X 42 Lb	12,160.000 LF	_____.	_____.
0294	601.0319 Concrete Curb & Gutter 19-Inch	68.000 LF	_____.	_____.



Proposal Schedule of Items

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0296	601.0331 Concrete Curb & Gutter 31-Inch	14,953.000 LF	_____.	_____.
0298	601.0553 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	33,006.000 LF	_____.	_____.
0300	601.0600 Concrete Curb Pedestrian	350.000 LF	_____.	_____.
0302	602.0410 Concrete Sidewalk 5-Inch	20,525.000 SF	_____.	_____.
0304	602.0505 Curb Ramp Detectable Warning Field Yellow	20.000 SF	_____.	_____.
0306	602.0515 Curb Ramp Detectable Warning Field Natural Patina	380.000 SF	_____.	_____.
0308	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	45.000 SF	_____.	_____.
0310	602.0615 Curb Ramp Detectable Warning Field Radial Natural Patina	56.000 SF	_____.	_____.
0312	602.1500 Concrete Steps	309.000 SF	_____.	_____.
0314	603.1132 Concrete Barrier Type S32	64.000 LF	_____.	_____.
0316	603.1142 Concrete Barrier Type S42	11,184.000 LF	_____.	_____.
0318	603.1156 Concrete Barrier Type S56	1,379.000 LF	_____.	_____.
0320	603.1242 Concrete Barrier Type S42A	5,368.000 LF	_____.	_____.
0322	603.1342 Concrete Barrier Type S42B	81.000 LF	_____.	_____.
0324	603.1356 Concrete Barrier Type S56B	53.000 LF	_____.	_____.



Proposal Schedule of Items

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SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0326	603.1442 Concrete Barrier Type S42C	265.000 LF	_____.	_____.
0328	603.1456 Concrete Barrier Type S56C	740.000 LF	_____.	_____.
0330	603.3113 Concrete Barrier Transition Type NJ32SF to S36	11.000 EACH	_____.	_____.
0332	603.3513 Concrete Barrier Transition Type S32 to S36	3.000 EACH	_____.	_____.
0334	603.3535 Concrete Barrier Transition Type S36 to S42	14.000 EACH	_____.	_____.
0336	603.3559 Concrete Barrier Transition Type S42 to S56	26.000 EACH	_____.	_____.
0338	603.8000 Concrete Barrier Temporary Precast Delivered	62,975.000 LF	_____.	_____.
0340	603.8125 Concrete Barrier Temporary Precast Installed	64,563.000 LF	_____.	_____.
0342	604.0400 Slope Paving Concrete	540.000 SY	_____.	_____.
0344	606.0200 Riprap Medium	170.000 CY	_____.	_____.
0346	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	844.000 LF	_____.	_____.
0348	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	1,760.000 LF	_____.	_____.
0350	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	167.000 LF	_____.	_____.
0352	608.0321 Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	13.000 LF	_____.	_____.





Proposal Schedule of Items

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SECTION: 0001 Roadway Items

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0354	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	2,439.000 LF	_____.	_____.
0356	608.0327 Storm Sewer Pipe Reinforced Concrete Class III 27-Inch	180.000 LF	_____.	_____.
0358	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	746.000 LF	_____.	_____.
0360	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	206.000 LF	_____.	_____.
0362	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	338.000 LF	_____.	_____.
0364	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	386.000 LF	_____.	_____.
0366	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	130.000 LF	_____.	_____.
0368	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	158.000 LF	_____.	_____.
0370	608.0442 Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	16.000 LF	_____.	_____.
0372	608.0512 Storm Sewer Pipe Reinforced Concrete Class V 12-Inch	153.000 LF	_____.	_____.
0374	608.3612 Storm Sewer Pipe Class III-B 12-Inch	167.000 LF	_____.	_____.
0376	608.3615 Storm Sewer Pipe Class III-B 15-Inch	221.000 LF	_____.	_____.
0378	608.3618 Storm Sewer Pipe Class III-B 18-Inch	184.000 LF	_____.	_____.
0380	608.3621 Storm Sewer Pipe Class III-B 21-Inch	40.000 LF	_____.	_____.



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Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0382	611.0420 Reconstructing Manholes	2.000 EACH	_____.	_____.
0384	611.0430 Reconstructing Inlets	58.000 EACH	_____.	_____.
0386	611.0530 Manhole Covers Type J	8.000 EACH	_____.	_____.
0388	611.0535 Manhole Covers Type J-Special	1.000 EACH	_____.	_____.
0390	611.0606 Inlet Covers Type B	1.000 EACH	_____.	_____.
0392	611.0612 Inlet Covers Type C	2.000 EACH	_____.	_____.
0394	611.0624 Inlet Covers Type H	26.000 EACH	_____.	_____.
0396	611.0627 Inlet Covers Type HM	72.000 EACH	_____.	_____.
0398	611.0639 Inlet Covers Type H-S	3.000 EACH	_____.	_____.
0400	611.0642 Inlet Covers Type MS	47.000 EACH	_____.	_____.
0402	611.0654 Inlet Covers Type V	35.000 EACH	_____.	_____.
0404	611.2004 Manholes 4-FT Diameter	5.000 EACH	_____.	_____.
0406	611.2005 Manholes 5-FT Diameter	100.000 EACH	_____.	_____.
0408	611.2006 Manholes 6-FT Diameter	6.000 EACH	_____.	_____.
0410	611.2008 Manholes 8-FT Diameter	5.000 EACH	_____.	_____.
0412	611.3004 Inlets 4-FT Diameter	87.000 EACH	_____.	_____.
0414	611.3220 Inlets 2x2-FT	1.000 EACH	_____.	_____.



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Federal ID(s): WISC 2023222, WISC 2023223

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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0416	611.3225 Inlets 2x2.5-FT	1.000 EACH	_____.	_____.
0418	611.3230 Inlets 2x3-FT	22.000 EACH	_____.	_____.
0420	611.3901 Inlets Median 1 Grate	35.000 EACH	_____.	_____.
0422	611.3902 Inlets Median 2 Grate	6.000 EACH	_____.	_____.
0424	611.8110 Adjusting Manhole Covers	10.000 EACH	_____.	_____.
0426	611.8115 Adjusting Inlet Covers	15.000 EACH	_____.	_____.
0430	612.0106 Pipe Underdrain 6-Inch	60,446.000 LF	_____.	_____.
0432	612.0206 Pipe Underdrain Unperforated 6-Inch	95.000 LF	_____.	_____.
0434	612.0406 Pipe Underdrain Wrapped 6-Inch	430.000 LF	_____.	_____.
0436	614.0905 Crash Cushions Temporary	23.000 EACH	_____.	_____.
0438	614.2500 MGS Thrie Beam Transition	560.000 LF	_____.	_____.
0440	614.2610 MGS Guardrail Terminal EAT	14.000 EACH	_____.	_____.
0442	616.0206 Fence Chain Link 6-FT	440.000 LF	_____.	_____.
0444	616.0329 Gates Chain Link (width) 001. 12-FT	2.000 EACH	_____.	_____.
0446	616.0700.S Fence Safety	650.000 LF	_____.	_____.
0448	618.0100 Maintenance And Repair of Haul Roads (project) 001. 1100-45-70	1.000 EACH	_____.	_____.



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Federal ID(s): WISC 2023222, WISC 2023223

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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0450	618.0100 Maintenance And Repair of Haul Roads (project) 002. 1100-46-71	1.000 EACH	_____.	_____.
0452	619.1000 Mobilization	1.000 EACH	_____.	_____.
0454	620.0300 Concrete Median Sloped Nose	477.000 SF	_____.	_____.
0456	623.0200 Dust Control Surface Treatment	104,043.000 SY	_____.	_____.
0458	624.0100 Water	956.000 MGAL	_____.	_____.
0460	625.0100 Topsoil	54,065.000 SY	_____.	_____.
0462	628.1504 Silt Fence	10,314.000 LF	_____.	_____.
0464	628.1520 Silt Fence Maintenance	5,584.000 LF	_____.	_____.
0466	628.1905 Mobilizations Erosion Control	28.000 EACH	_____.	_____.
0468	628.1910 Mobilizations Emergency Erosion Control	16.000 EACH	_____.	_____.
0470	628.2002 Erosion Mat Class I Type A	14,586.000 SY	_____.	_____.
0472	628.2004 Erosion Mat Class I Type B	4,298.000 SY	_____.	_____.
0474	628.2008 Erosion Mat Urban Class I Type B	263.000 SY	_____.	_____.
0476	628.2023 Erosion Mat Class II Type B	1,324.000 SY	_____.	_____.
0478	628.7005 Inlet Protection Type A	215.000 EACH	_____.	_____.
0480	628.7010 Inlet Protection Type B	337.000 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
0482	628.7015 Inlet Protection Type C	72.000 EACH	_____.	_____.
0484	628.7020 Inlet Protection Type D	169.000 EACH	_____.	_____.
0486	628.7560 Tracking Pads	39.000 EACH	_____.	_____.
0488	628.7570 Rock Bags	200.000 EACH	_____.	_____.
0490	629.0210 Fertilizer Type B	43.100 CWT	_____.	_____.
0492	630.0120 Seeding Mixture No. 20	202.000 LB	_____.	_____.
0494	630.0160 Seeding Mixture No. 60	0.500 LB	_____.	_____.
0496	630.0200 Seeding Temporary	94.000 LB	_____.	_____.
0498	630.0500 Seed Water	138.000 MGAL	_____.	_____.
0500	631.0300 Sod Water	100.000 MGAL	_____.	_____.
0502	631.1000 Sod Lawn	4,270.000 SY	_____.	_____.
0504	633.1000 Delineators Barrier Wall	32.000 EACH	_____.	_____.
0506	634.0618 Posts Wood 4x6-Inch X 18-FT	91.000 EACH	_____.	_____.
0508	634.0622 Posts Wood 4x6-Inch X 22-FT	25.000 EACH	_____.	_____.
0510	634.0814 Posts Tubular Steel 2x2-Inch X 14-FT	7.000 EACH	_____.	_____.
0512	634.0885 Posts Tubular Steel 2x2-Inch X 8.5-FT	4.000 EACH	_____.	_____.
0514	635.0200 Sign Supports Structural Steel HS	2,000.000 LB	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0516	635.0300 Sign Supports Replacing Base Connection Bolts	19.000 EACH	_____.	_____.
0518	637.1220 Signs Type I Reflective SH	3,005.000 SF	_____.	_____.
0520	637.2210 Signs Type II Reflective H	1,861.773 SF	_____.	_____.
0522	637.2215 Signs Type II Reflective H Folding	149.520 SF	_____.	_____.
0524	637.2230 Signs Type II Reflective F	172.750 SF	_____.	_____.
0526	638.2101 Moving Signs Type I	7.000 EACH	_____.	_____.
0528	638.2102 Moving Signs Type II	8.000 EACH	_____.	_____.
0530	638.2601 Removing Signs Type I	19.000 EACH	_____.	_____.
0532	638.2602 Removing Signs Type II	153.000 EACH	_____.	_____.
0534	638.3000 Removing Small Sign Supports	92.000 EACH	_____.	_____.
0536	643.0300 Traffic Control Drums	288,006.000 DAY	_____.	_____.
0538	643.0420 Traffic Control Barricades Type III	38,559.000 DAY	_____.	_____.
0540	643.0705 Traffic Control Warning Lights Type A	73,649.000 DAY	_____.	_____.
0542	643.0715 Traffic Control Warning Lights Type C	71,675.000 DAY	_____.	_____.
0544	643.0800 Traffic Control Arrow Boards	2,561.000 DAY	_____.	_____.
0546	643.0900 Traffic Control Signs	160,597.000 DAY	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0548	643.0910 Traffic Control Covering Signs Type I	15.000 EACH	_____.	_____.
0550	643.0920 Traffic Control Covering Signs Type II	75.000 EACH	_____.	_____.
0552	643.1000 Traffic Control Signs Fixed Message	970.000 SF	_____.	_____.
0554	643.1050 Traffic Control Signs PCMS	2,795.000 DAY	_____.	_____.
0556	643.1200.S Portable Automated Real-Time Traffic Queue Warning System	272.000 DAY	_____.	_____.
0558	643.3105 Temporary Marking Line Paint 4-Inch	2,089.000 LF	_____.	_____.
0560	643.3120 Temporary Marking Line Epoxy 4-Inch	343,912.000 LF	_____.	_____.
0562	643.3150 Temporary Marking Line Removable Tape 4-Inch	121,569.000 LF	_____.	_____.
0564	643.3205 Temporary Marking Line Paint 8-Inch	1,028.000 LF	_____.	_____.
0566	643.3220 Temporary Marking Line Epoxy 8-Inch	46,433.000 LF	_____.	_____.
0568	643.3250 Temporary Marking Line Removable Tape 8-Inch	22,948.000 LF	_____.	_____.
0570	643.3505 Temporary Marking Arrow Paint	2.000 EACH	_____.	_____.
0572	643.3605 Temporary Marking Word Paint	1.000 EACH	_____.	_____.
0574	643.3760 Temporary Marking Raised Pavement Marker Type I	184.000 EACH	_____.	_____.
0576	643.4100 Traffic Control Interim Lane Closure	796.000 EACH	_____.	_____.
0578	643.5000 Traffic Control	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
0580	644.1430 Temporary Pedestrian Surface Plate	460.000 SF	_____.	_____.
0582	644.1601 Temporary Pedestrian Curb Ramp	38.000 DAY	_____.	_____.
0584	644.1605 Temporary Pedestrian Detectable Warning Field	60.000 SF	_____.	_____.
0586	644.1810 Temporary Pedestrian Barricade	960.000 LF	_____.	_____.
0588	645.0111 Geotextile Type DF Schedule A	30,239.000 SY	_____.	_____.
0590	645.0120 Geotextile Type HR	14.000 SY	_____.	_____.
0592	646.1020 Marking Line Epoxy 4-Inch	35,513.000 LF	_____.	_____.
0594	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	65,200.000 LF	_____.	_____.
0596	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	1,246.000 LF	_____.	_____.
0598	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	17,849.000 LF	_____.	_____.
0600	646.3020 Marking Line Epoxy 8-Inch	223.000 LF	_____.	_____.
0602	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	8,053.000 LF	_____.	_____.
0604	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	17,892.000 LF	_____.	_____.
0606	646.5020 Marking Arrow Epoxy	48.000 EACH	_____.	_____.
0608	646.5120 Marking Word Epoxy	20.000 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
0610	646.5220 Marking Symbol Epoxy	15.000 EACH	_____.	_____.
0612	646.6120 Marking Stop Line Epoxy 18-Inch	618.000 LF	_____.	_____.
0614	646.7120 Marking Diagonal Epoxy 12-Inch	9,826.000 LF	_____.	_____.
0616	646.7220 Marking Chevron Epoxy 24-Inch	1,165.000 LF	_____.	_____.
0618	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	1,682.000 LF	_____.	_____.
0620	646.8120 Marking Curb Epoxy	370.000 LF	_____.	_____.
0622	646.8220 Marking Island Nose Epoxy	5.000 EACH	_____.	_____.
0624	646.9000 Marking Removal Line 4-Inch	98,295.000 LF	_____.	_____.
0626	646.9100 Marking Removal Line 8-Inch	17,180.000 LF	_____.	_____.
0628	646.9200 Marking Removal Line Wide	9,963.000 LF	_____.	_____.
0630	652.0125 Conduit Rigid Metallic 2-Inch	48.000 LF	_____.	_____.
0632	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	32,612.000 LF	_____.	_____.
0634	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	4,797.000 LF	_____.	_____.
0636	652.0605 Conduit Special 2-Inch	403.000 LF	_____.	_____.
0638	652.0615 Conduit Special 3-Inch	5,683.000 LF	_____.	_____.
0640	652.0700.S Install Conduit into Existing Item	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
0642	652.0800 Conduit Loop Detector	2,466.000 LF	_____.	_____.
0644	653.0135 Pull Boxes Steel 24x36-Inch	13.000 EACH	_____.	_____.
0646	653.0140 Pull Boxes Steel 24x42-Inch	63.000 EACH	_____.	_____.
0648	653.0222 Junction Boxes 18x12x6-Inch	18.000 EACH	_____.	_____.
0650	653.0905 Removing Pull Boxes	84.000 EACH	_____.	_____.
0652	654.0101 Concrete Bases Type 1	16.000 EACH	_____.	_____.
0654	654.0102 Concrete Bases Type 2	2.000 EACH	_____.	_____.
0656	654.0105 Concrete Bases Type 5	85.000 EACH	_____.	_____.
0658	654.0108 Concrete Bases Type 8	18.000 EACH	_____.	_____.
0660	654.0110 Concrete Bases Type 10	1.000 EACH	_____.	_____.
0662	654.0113 Concrete Bases Type 13	1.000 EACH	_____.	_____.
0664	654.0120 Concrete Bases Type 10-Special	3.000 EACH	_____.	_____.
0666	654.0217 Concrete Control Cabinet Bases Type 9 Special	2.000 EACH	_____.	_____.
0668	654.0230 Concrete Control Cabinet Bases Type L30	6.000 EACH	_____.	_____.
0670	655.0230 Cable Traffic Signal 5-14 AWG	1,189.000 LF	_____.	_____.
0672	655.0235 Cable Traffic Signal 7-12 AWG	281.000 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
0674	655.0240 Cable Traffic Signal 7-14 AWG	2,590.000 LF	_____	_____
0676	655.0260 Cable Traffic Signal 12-14 AWG	2,985.000 LF	_____	_____
0678	655.0320 Cable Type UF 2-10 AWG Grounded	1,208.000 LF	_____	_____
0680	655.0515 Electrical Wire Traffic Signals 10 AWG	7,233.000 LF	_____	_____
0682	655.0610 Electrical Wire Lighting 12 AWG	38,835.000 LF	_____	_____
0684	655.0615 Electrical Wire Lighting 10 AWG	3,075.000 LF	_____	_____
0686	655.0620 Electrical Wire Lighting 8 AWG	50,223.000 LF	_____	_____
0688	655.0625 Electrical Wire Lighting 6 AWG	29,222.000 LF	_____	_____
0690	655.0630 Electrical Wire Lighting 4 AWG	64,565.000 LF	_____	_____
0692	655.0635 Electrical Wire Lighting 2 AWG	1,524.000 LF	_____	_____
0694	655.0640 Electrical Wire Lighting 1 AWG	108.000 LF	_____	_____
0696	655.0700 Loop Detector Lead In Cable	9,811.000 LF	_____	_____
0698	655.0800 Loop Detector Wire	8,930.000 LF	_____	_____
0700	655.0900 Traffic Signal EVP Detector Cable	1,815.000 LF	_____	_____
0702	656.0201 Electrical Service Meter Breaker Pedestal (location) 300. IH 41 EB Ramps & STH 36	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
0704	656.0201 Electrical Service Meter Breaker Pedestal (location) 301. IH 41 WB Ramps & STH 36	1.000 EACH	_____.	_____.
0706	656.0401 Electrical Service Main Lugs Only Meter Pedestal (location) 101. HL-40-FO	1.000 EACH	_____.	_____.
0708	656.0401 Electrical Service Main Lugs Only Meter Pedestal (location) 102. HL-40-AL	1.000 EACH	_____.	_____.
0710	656.0401 Electrical Service Main Lugs Only Meter Pedestal (location) 103. HL-40-BO	1.000 EACH	_____.	_____.
0712	656.0401 Electrical Service Main Lugs Only Meter Pedestal (location) 104. HL-40-LM	1.000 EACH	_____.	_____.
0714	656.0401 Electrical Service Main Lugs Only Meter Pedestal (location) 105. HL-40-AR	1.000 EACH	_____.	_____.
0716	656.0401 Electrical Service Main Lugs Only Meter Pedestal (location) 106. HL-40-TF	1.000 EACH	_____.	_____.
0718	657.0100 Pedestal Bases	17.000 EACH	_____.	_____.
0720	657.0210 Transformer Bases Breakaway 15-17 Inch Bolt Circle	18.000 EACH	_____.	_____.
0722	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	89.000 EACH	_____.	_____.
0724	657.0310 Poles Type 3	2.000 EACH	_____.	_____.
0726	657.0322 Poles Type 5-Aluminum	87.000 EACH	_____.	_____.
0728	657.0380 Poles Type E	18.000 EACH	_____.	_____.
0730	657.0381 Poles Type F	70.000 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
0732	657.0420 Traffic Signal Standards Aluminum 13-FT	6.000 EACH	_____.	_____.
0734	657.0425 Traffic Signal Standards Aluminum 15-FT	6.000 EACH	_____.	_____.
0736	657.0430 Traffic Signal Standards Aluminum 10-FT	5.000 EACH	_____.	_____.
0738	657.0609 Luminaire Arms Single Member 4-Inch Clamp 6-FT	1.000 EACH	_____.	_____.
0740	657.0610 Luminaire Arms Single Member 4 1/2- Inch Clamp 6-FT	96.000 EACH	_____.	_____.
0742	657.0614 Luminaire Arms Single Member 4-Inch Clamp 8-FT	1.000 EACH	_____.	_____.
0744	657.0615 Luminaire Arms Single Member 4 1/2- Inch Clamp 8-FT	12.000 EACH	_____.	_____.
0746	658.0173 Traffic Signal Face 3S 12-Inch	29.000 EACH	_____.	_____.
0748	658.0174 Traffic Signal Face 4S 12-Inch	8.000 EACH	_____.	_____.
0750	658.0175 Traffic Signal Face 5S 12-Inch	2.000 EACH	_____.	_____.
0752	658.0416 Pedestrian Signal Face 16-Inch	15.000 EACH	_____.	_____.
0754	658.0500 Pedestrian Push Buttons	16.000 EACH	_____.	_____.
0756	658.5070 Signal Mounting Hardware (location) 300. IH 41 EB Ramps & STH 36	1.000 EACH	_____.	_____.
0758	658.5070 Signal Mounting Hardware (location) 301. IH 41 WB Ramps & STH 36	1.000 EACH	_____.	_____.
0760	658.5070 Signal Mounting Hardware (location) 302. I-894 EB Ramps & S 84TH St	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
0762	659.0601 Underdeck Lighting (structure) 001. B-40-1025	1.000 EACH	_____.	_____.
0764	659.1125 Luminaires Utility LED C	93.000 EACH	_____.	_____.
0766	659.1130 Luminaires Utility LED D	158.000 EACH	_____.	_____.
0768	659.1210 Luminaires Underdeck LED B	4.000 EACH	_____.	_____.
0770	659.2230 Lighting Control Cabinets 240/480 30-Inch	6.000 EACH	_____.	_____.
0772	659.5000.S Lamp, Ballast, LED, Switch Disposal by Contractor	276.000 EACH	_____.	_____.
0774	662.1028.S Ramp Closure Gates 28-FT	2.000 EACH	_____.	_____.
0776	662.1030.S Ramp Closure Gates 30-FT	1.000 EACH	_____.	_____.
0778	662.1032.S Ramp Closure Gates 32-FT	1.000 EACH	_____.	_____.
0780	670.0101 Field System Integrator	1.000 EACH	_____.	_____.
0782	670.0101 Field System Integrator 001. FTMS	1.000 EACH	_____.	_____.
0784	670.0201 ITS Documentation	1.000 EACH	_____.	_____.
0786	670.0201 ITS Documentation 001. FTMS	1.000 EACH	_____.	_____.
0788	671.0112 Conduit HDPE 1-Duct 2-Inch	1,557.000 LF	_____.	_____.
0790	671.0212 Conduit HDPE Directional Bore 1-Duct 2-Inch	286.000 LF	_____.	_____.
0792	673.0105 Communication Vault Type 1	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
0794	674.0300 Remove Cable	1,704.000 LF	_____.	_____.
0796	674.0400 Reinstall Cable	1,637.000 LF	_____.	_____.
0798	675.0300 Install Mounted Controller Microwave Detector Assembly	2.000 EACH	_____.	_____.
0800	677.0150 Install Camera Pole 50-FT	3.000 EACH	_____.	_____.
0802	677.0200 Install Camera Assembly	4.000 EACH	_____.	_____.
0804	677.9051.S Removing 50-FT Camera Pole	3.000 EACH	_____.	_____.
0806	677.9200.S Removing CCTV Camera	1.000 EACH	_____.	_____.
0808	678.0006 Install Fiber Optic Cable Outdoor Plant 6-CT	252.000 LF	_____.	_____.
0810	678.0036 Install Fiber Optic Cable Outdoor Plant 36-CT	1,366.000 LF	_____.	_____.
0812	678.0100.S Install Overhead Freeway DMS Full Matrix	2.000 EACH	_____.	_____.
0814	678.0200 Fiber Optic Splice Enclosure	2.000 EACH	_____.	_____.
0816	678.0300 Fiber Optic Splice	16.000 EACH	_____.	_____.
0818	678.0501 Communication System Testing	1.000 EACH	_____.	_____.
0820	678.0600 Install Ethernet Switches	2.000 EACH	_____.	_____.
0822	690.0150 Sawing Asphalt	707.000 LF	_____.	_____.
0824	690.0250 Sawing Concrete	145,972.000 LF	_____.	_____.



## Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001

Roadway Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0826	715.0502 Incentive Strength Concrete Structures	14,118.000 DOL	1.00000	14,118.00
0828	715.0603 Incentive Strength Concrete Barrier	13,858.000 DOL	1.00000	13,858.00
0830	715.0715 Incentive Flexural Strength Concrete Pavement	5,016.000 DOL	1.00000	5,016.00
0832	715.0720 Incentive Compressive Strength Concrete Pavement	5,016.000 DOL	1.00000	5,016.00
0834	740.0440 Incentive IRI Ride	31,720.000 DOL	1.00000	31,720.00
0836	999.1501.S Crack and Damage Survey	1.000 EACH	_____.	_____.
0838	999.2000.S Installing and Maintaining Bird Deterrent System (station) 001. 87+50	1.000 EACH	_____.	_____.
0840	999.2000.S Installing and Maintaining Bird Deterrent System (station) 002. 96'EW'+10	1.000 EACH	_____.	_____.
0842	999.2000.S Installing and Maintaining Bird Deterrent System (station) 003. 202'EW'+78	1.000 EACH	_____.	_____.
0844	999.2000.S Installing and Maintaining Bird Deterrent System (station) 004. 257'EW'+30	1.000 EACH	_____.	_____.
0846	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	5,600.000 HRS	5.00000	28,000.00
0848	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	14,400.000 HRS	5.00000	72,000.00
0850	SPV.0035 Special 001. EBS Excavation	8,237.000 CY	_____.	_____.
0852	SPV.0035 Special 002. EBS Backfill	8,237.000 CY	_____.	_____.
0854	SPV.0035 Special 400. Rapid Set Deck Repair	4.000 CY	_____.	_____.





Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0856	SPV.0035 Special 801. Backfill Slurry	6,660.000 CY	_____.	_____.
0858	SPV.0060 Special 001. Baseline CPM Progress Schedule	1.000 EACH	_____.	_____.
0860	SPV.0060 Special 002. Monthly CPM Progress Schedule Updates	14.000 EACH	_____.	_____.
0862	SPV.0060 Special 003. Concrete Barrier Transition Type M1	1.000 EACH	_____.	_____.
0864	SPV.0060 Special 004. Concrete Barrier Transition Type M2	1.000 EACH	_____.	_____.
0866	SPV.0060 Special 005. Concrete Barrier Transition Type M3	1.000 EACH	_____.	_____.
0868	SPV.0060 Special 006. Concrete Barrier Transition Type M4	1.000 EACH	_____.	_____.
0870	SPV.0060 Special 007. Concrete Barrier Transition Type M5	1.000 EACH	_____.	_____.
0872	SPV.0060 Special 008. Concrete Barrier Transition Type M6	1.000 EACH	_____.	_____.
0874	SPV.0060 Special 009. Concrete Barrier Transition Type M7	1.000 EACH	_____.	_____.
0876	SPV.0060 Special 010. Concrete Barrier Transition Type M8	1.000 EACH	_____.	_____.
0878	SPV.0060 Special 011. Concrete Barrier Transition Type M9	1.000 EACH	_____.	_____.
0880	SPV.0060 Special 012. Concrete Barrier Transition Type M10	1.000 EACH	_____.	_____.



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Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0882	SPV.0060 Special 013. Concrete Barrier Transition Type M11	1.000 EACH	_____.	_____.
0884	SPV.0060 Special 014. Concrete Barrier Transition Type M12	1.000 EACH	_____.	_____.
0886	SPV.0060 Special 015. Concrete Barrier Type S42 Light Pole Base	31.000 EACH	_____.	_____.
0888	SPV.0060 Special 016. Concrete Barrier Type S42A Light Pole Base	31.000 EACH	_____.	_____.
0890	SPV.0060 Special 017. Concrete Barrier Type S56 Light Pole Base	2.000 EACH	_____.	_____.
0892	SPV.0060 Special 018. Concrete Barrier Type S56A Light Pole Base	1.000 EACH	_____.	_____.
0894	SPV.0060 Special 019. Curb Ramp Grading, Shaping and Finishing	4.000 EACH	_____.	_____.
0896	SPV.0060 Special 020. Field Facilities Office Space	1.000 EACH	_____.	_____.
0898	SPV.0060 Special 021. Mobilizations Emergency Pavement Repair	20.000 EACH	_____.	_____.
0900	SPV.0060 Special 022. Traffic Control Close-Open Freeway Entrance Ramp	588.000 EACH	_____.	_____.
0902	SPV.0060 Special 023. Traffic Control Full Freeway Closure	25.000 EACH	_____.	_____.
0904	SPV.0060 Special 024. Traffic Control Local Road Lane Closures	30.000 EACH	_____.	_____.
0906	SPV.0060 Special 025. Emergency Response to Traffic Involving Concrete Barrier Temporary	5.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0908	SPV.0060 Special 026. Emergency Response to Traffic Involving Crash Cushion	5.000 EACH	_____.	_____.
0910	SPV.0060 Special 027. Sand Bags	690.000 EACH	_____.	_____.
0912	SPV.0060 Special 028. Exposing Existing Infrastructure Paved Area	10.000 EACH	_____.	_____.
0914	SPV.0060 Special 029. Exposing Existing Infrastructure Unpaved Area	10.000 EACH	_____.	_____.
0916	SPV.0060 Special 030. Survey Project 1100-45-70	1.000 EACH	_____.	_____.
0918	SPV.0060 Special 031. Survey Project 1100-46-71	1.000 EACH	_____.	_____.
0920	SPV.0060 Special 101. Maintenance of Lighting Systems	1.000 EACH	_____.	_____.
0922	SPV.0060 Special 102. Lighting System Integrator	1.000 EACH	_____.	_____.
0924	SPV.0060 Special 103. Lighting Systems Survey	1.000 EACH	_____.	_____.
0926	SPV.0060 Special 107. Luminaire Arms Single Member 4-Inch Clamp 4-FT	140.000 EACH	_____.	_____.
0928	SPV.0060 Special 108. Poles Wood 35-FT	2.000 EACH	_____.	_____.
0930	SPV.0060 Special 109. Wood Pole Lighting 60-FT	83.000 EACH	_____.	_____.
0932	SPV.0060 Special 110. Luminaire Utility LED Floodlight	86.000 EACH	_____.	_____.
0934	SPV.0060 Special 111. Lighting Equipment Painting, IH 41 & STH 36	1.000 EACH	_____.	_____.
0936	SPV.0060 Special 200. Removing Wireless Modem	1.000 EACH	_____.	_____.



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Federal ID(s): WISC 2023222, WISC 2023223

SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0938	SPV.0060 Special 201. Removing Controller Cabinet	1.000 EACH	_____.	_____.
0940	SPV.0060 Special 202. Removing Controller Cabinet Base	1.000 EACH	_____.	_____.
0942	SPV.0060 Special 203. Removing Controller Ramp Meter Processor Assembly	1.000 EACH	_____.	_____.
0944	SPV.0060 Special 204. Ground Rod	5.000 EACH	_____.	_____.
0946	SPV.0060 Special 205. Refocus Vehicle Detector Assembly	20.000 EACH	_____.	_____.
0948	SPV.0060 Special 300. Install Poles Type 9	1.000 EACH	_____.	_____.
0950	SPV.0060 Special 301. Install Poles Special Type 9	3.000 EACH	_____.	_____.
0952	SPV.0060 Special 302. Install Poles Type 13	1.000 EACH	_____.	_____.
0954	SPV.0060 Special 303. Install Monotube Arms 25-ft	1.000 EACH	_____.	_____.
0956	SPV.0060 Special 304. Install Monotube Arms Special 45-ft	2.000 EACH	_____.	_____.
0958	SPV.0060 Special 305. Install Monotube Arms 55-Ft	1.000 EACH	_____.	_____.
0960	SPV.0060 Special 306. Install Luminaire Arms Steel 15-Ft	1.000 EACH	_____.	_____.
0962	SPV.0060 Special 307. Install Monotube Arms Speical 35-ft	1.000 EACH	_____.	_____.
0964	SPV.0060 Special 308. Transport and Install State Furn Traffic Sig Cabinet, IH41 EB Ramps & STH36	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214015 Project(s): 1100-45-70, 1100-46-71

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SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0966	SPV.0060 Special 309. Transport and Install State Furn Traffic Sig Cabinet, IH41 WB Ramps & STH36	1.000 EACH	_____.	_____.
0968	SPV.0060 Special 310. Transport Signal and Intersection Lighting Materials, IH41 EB Ramps & STH36	1.000 EACH	_____.	_____.
0970	SPV.0060 Special 311. Transport Signal and Intersection Lighting Materials, IH41 WB Ramps & STH36	1.000 EACH	_____.	_____.
0972	SPV.0060 Special 312. Transport and Install State Furnished Video Detection, IH41EB Ramps & STH36	1.000 EACH	_____.	_____.
0974	SPV.0060 Special 313. Transport and Install State Furnished Video Detection, IH41WB Ramps & STH36	1.000 EACH	_____.	_____.
0976	SPV.0060 Special 314. Trnsprt and Install State Furnished EVP Detector Heads IH41EB Ramps & STH36	1.000 EACH	_____.	_____.
0978	SPV.0060 Special 315. Trnsprt and Install State Furnished EVP Detector Heads IH41WB Ramps & STH36	1.000 EACH	_____.	_____.
0980	SPV.0060 Special 316. Traffic Signal and Lighting Equipment Painting IH 41 EB Ramps & STH 36	1.000 EACH	_____.	_____.
0982	SPV.0060 Special 317. Traffic Signal and Lighting Equipment Painting IH 41 WB Ramps & STH 36	1.000 EACH	_____.	_____.
0984	SPV.0060 Special 318. Install Fiber Optic Communications in Cabinet, IH 41 EB Ramps & STH 36	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
0986	SPV.0060 Special 319. Install Fiber Optic Communications in Cabinet, IH 41 WB Ramps & STH 36	1.000 EACH	_____.	_____.
0988	SPV.0060 Special 400. Girder Surface Repair	79.000 EACH	_____.	_____.
0990	SPV.0060 Special 401. Strapping B-40-321	3.000 EACH	_____.	_____.
0992	SPV.0060 Special 402. Sidewalk Cover Plate Resetting	1.000 EACH	_____.	_____.
0994	SPV.0060 Special 403. Concrete Channel Lining Repair	1.000 EACH	_____.	_____.
0996	SPV.0060 Special 404. Embedded Galvanic Anodes	72.000 EACH	_____.	_____.
0998	SPV.0060 Special 405. Cleaning and Sealing Concrete Girder Ends	32.000 EACH	_____.	_____.
1000	SPV.0060 Special 406. Cleaning and Painting Bearing	72.000 EACH	_____.	_____.
1002	SPV.0060 Special 450. Remove and Relocate Existing Sign Bridge S-40-410	1.000 EACH	_____.	_____.
1004	SPV.0060 Special 455. Remove and Relocate Existing Sign Bridge S-40-413	1.000 EACH	_____.	_____.
1006	SPV.0060 Special 460. Remove and Relocate Existing Sign Bridge S-40-801	1.000 EACH	_____.	_____.
1008	SPV.0060 Special 465. Tension Chord Splice Connections (S-40-834)	1.000 EACH	_____.	_____.
1010	SPV.0060 Special 470. Remove and Relocate Existing 2-Chord Butterfly Sign Structure S-40-869	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
1012	SPV.0060 Special 475. Remove and Relocate Existing 4-Chord Butterfly Sign Structure S-40-870	1.000 EACH	_____.	_____.
1014	SPV.0060 Special 499. Remove and Reinstall Existing Noise Barrier Panels	1.000 EACH	_____.	_____.
1016	SPV.0060 Special 500. Utility Line Opening (ULO)	12.000 EACH	_____.	_____.
1018	SPV.0060 Special 501. Water Main Protection	15.000 EACH	_____.	_____.
1020	SPV.0060 Special 502. Adjusting Water Boxes	15.000 EACH	_____.	_____.
1022	SPV.0060 Special 503. Sanitary Manhole Internal/External Seal	5.000 EACH	_____.	_____.
1024	SPV.0060 Special 801. Inlet Covers Type 27-M	101.000 EACH	_____.	_____.
1026	SPV.0060 Special 802. Reconstructing Manhole Special	16.000 EACH	_____.	_____.
1028	SPV.0060 Special 803. Reconstructing Inlet Special	5.000 EACH	_____.	_____.
1030	SPV.0060 Special 804. Remove and Cap Existing Drainage Structure	20.000 EACH	_____.	_____.
1032	SPV.0060 Special 805. Cap Proposed Drainage Structure	2.000 EACH	_____.	_____.
1034	SPV.0060 Special 806. Pipe Connection to Existing Structure	15.000 EACH	_____.	_____.
1036	SPV.0060 Special 807. Welded Existing Inlet Covers	55.000 EACH	_____.	_____.
1038	SPV.0060 Special 808. Welded Proposed Inlet Covers	139.000 EACH	_____.	_____.



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SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1040	SPV.0075 Special 001. Pavement Cleanup Project 1100-45-70	200.000 HRS	_____.	_____.
1042	SPV.0075 Special 002. Pavement Cleanup Project 1100-46-71	100.000 HRS	_____.	_____.
1044	SPV.0090 Special 001. Concrete Barrier Vertical Back Type S56 Modified	1,136.000 LF	_____.	_____.
1046	SPV.0090 Special 002. Concrete Barrier Vertical Back Type S56 Modified with 24-Inch Pan	188.000 LF	_____.	_____.
1048	SPV.0090 Special 003. Marking Line Contrast Epoxy 4-Inch	362.000 LF	_____.	_____.
1050	SPV.0090 Special 004. Marking Line Contrast Epoxy 8-Inch	87.000 LF	_____.	_____.
1052	SPV.0090 Special 005. Maintain and Remove Concrete Barrier Temporary Precast	512.000 LF	_____.	_____.
1054	SPV.0090 Special 006. Temporary Marking Crosswalk Removable Tape 6-Inch	290.000 LF	_____.	_____.
1056	SPV.0090 Special 103. Cable Aerial Aluminum 4 AWG Quadruplex	7,472.000 LF	_____.	_____.
1058	SPV.0090 Special 104. Cable Aerial Aluminum 2 AWG Quadruplex	2,163.000 LF	_____.	_____.
1060	SPV.0090 Special 105. Cable Aerial Aluminum 6 AWG Quadruplex	6,018.000 LF	_____.	_____.
1062	SPV.0090 Special 400. Expansion Joint Seal System	468.000 LF	_____.	_____.
1064	SPV.0090 Special 801. Cleaning Storm Sewer	725.000 LF	_____.	_____.





## Proposal Schedule of Items

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SECTION: 0001 Roadway Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1066	SPV.0135 Special 001. Vibration Monitoring	9.000 MON	_____.	_____.
1068	SPV.0165 Special 400. Wall Concrete Panel Mechanically Stabilized Earth R-40-716	4,340.000 SF	_____.	_____.
1070	SPV.0165 Special 401. Wall Concrete Panel Mechanically Stabilized Earth R-40-717	3,690.000 SF	_____.	_____.
1072	SPV.0165 Special 402. Fiber Wrap Reinforcing Non-Structural	475.000 SF	_____.	_____.
1074	SPV.0165 Special 403. Removing Loose Concrete	100.000 SF	_____.	_____.
1076	SPV.0165 Special 499. Concrete Surface Repair- Special	240.000 SF	_____.	_____.
1078	SPV.0180 Special 001. Base Patching Concrete SHES Special	12,964.000 SY	_____.	_____.
1080	SPV.0180 Special 002. Removing Asphaltic Surface Milling Special	19,462.000 SY	_____.	_____.
1082	SPV.0180 Special 400. Slope Paving Crushed Aggregate Special	1,038.000 SY	_____.	_____.
1084	SPV.0180 Special 401. Abutment Seat Cleaning and Sealing	64.000 SY	_____.	_____.
1086	SPV.0180 Special 402. Concrete Bridge Deck Methacrylate Flood Seal	991.000 SY	_____.	_____.
1088	SPV.0180 Special 403. Polyester Polymer Concrete Overlay	4,354.000 SY	_____.	_____.
1090	SPV.0195 Special 001. HMA Longitudinal Joint Repair	2,540.000 TON	_____.	_____.
1092	611.9800.S Pipe Grates (size) 001. 42-Inch	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
1094	611.9800.S Pipe Grates (size) 002. 84-Inch	1.000 EACH	_____.	_____.
1096	SPV.0060 Special 032. Traffic Control Close-Open Freeway to Freeway System Ramp	250.000 EACH	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.