



Wisconsin Department of Transportation

Division of Transportation Systems Development

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

November 1, 2021

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

NOTICE TO ALL CONTRACTORS:

Proposal #09: 1229-04-76, WISC 2022007
I-43 North South Freeway
Highland Rd to STH 60
IH 43
Ozaukee County

Letting of November 9, 2021

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
5	Prosecution and Progress.
8	Holiday and Special Event Restrictions
9	Utilities
19	Railroad Insurance and Coordination - Union Pacific Railroad Company
21	Hauling Restrictions
81	Backfill Slurry
121	High Performance Concrete (HPC) Masonry Structures, Item SPV.0035.4000
183	Field Office Special, Item SPV.0135.0001

Deleted Special Provisions	
Article No.	Description
32	Material and Equipment Staging
75	QMP Base Aggregate Dense 1 ¼-Inch Compaction, Item 371.2000.S

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0291.S	Abandoning Sewer	CY	100	34	134
204.9090.S.0002	Removing Draintile	LF	20,000	-18,000	2,000
205.0100	Excavation Common	CY	426,025	3,293	429,318

209.0200.S	Backfill Controlled Low Strength	CY	1,524	613	2,137
495.1000.S	Cold Patch	Ton	1,000	-900	100
520.8000	Concrete Collars for Pipe	Each	313	-4	309
522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	441	-78	363
522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	Each	28	-1	27
608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	1,115	4	1,119
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	2,555	96	2,651
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	4,586	42	4,628
608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	549	26	575
608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	1,450	32	1,482
608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	6,479	3	6,482
611.0642	Inlet Covers Type MS	Each	354	-4	350
611.3902	Inlets Median 2 Grate	Each	177	-2	175
611.8120.S	Cover Plates Temporary	Each	43	-3	40
633.5200	Markers Culvert End	Each	205	-1	204
643.0900	Traffic Control Signs	Day	189,439	1,784	191,223
643.0920	Traffic Control Covering Signs Type II	Each	25	1,533	1,558
SPV.0035.0001	Roadway Embankment	CY	488,665	-575	488,090

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0245.0006	Removing Storm Sewer 30-Inch	LF	0	56	56
524.0618	Apron Endwalls for Culvert Pipe Salvaged 18-Inch	Each	0	1	1

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
371.2000.S	QMP Base Aggregate 1 ¼-Inch Compaction	EA	195	-195	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
12	Typical Finished Sections (Inside dropdown moved to Stage 1B)
13	Typical Finished Sections (Inside dropdown moved from Stage 1A, temp barrier locations shown)
16	Typical Finished Sections (Added tie bar locations)
41	Construction Details (Revised notes and inset detail, added detail for approach slab concrete barrier)
93	Removal Plan – Legend (Update to General Notes)
486	Temporary Drainage Plan Stages 1 & 2 (Moved temporary inlets)
492	Temporary Drainage Plan Stage 3 (Removed temporary inlet)
493	Temporary Drainage Plan Stage 3 (Removed temporary inlet)

529	Proposed Drainage Staging Plan – IH 43 (Revised staging of median outfall)
538	Proposed Drainage Plan (Added new note)
572	Proposed Drainage Plan (Revised invert elevations of median outfall)
1099	Miscellaneous Quantities: Changed station of Removing Inlet
1102	Miscellaneous Quantities: Added Backfill Controlled Low Strength for large pipe crossing at Highland Interchange, added note about difference between Abandoning Sewer and Backfill Controlled Low Strength
1104	Miscellaneous Quantities (Updated 'Removing Drain Tile' and 'Cold Patch' items)
1105	Miscellaneous Quantities (Updated 'Earthwork Summary' table)
1108	Miscellaneous Quantities (Removed 371.2000.S Table)
1112	Miscellaneous Quantities: Changed offset of Concrete Collar for Pipe, removed three Cover Plates Temporary
1113	Miscellaneous Quantities: Changed station of two culvert extensions
1114	Miscellaneous Quantities: Changed station of two temporary inlets, deleted two temporary inlets
1115	Miscellaneous Quantities: Changed totals of three bid items
1116	Miscellaneous Quantities: Changed station of two culvert extensions, added storm sewer replacement at temporary inlet insertions on existing pipes
1117	Miscellaneous Quantities: Changed station of two temporary inlets, deleted two temporary inlets, added storm sewer replacement at temporary inlet insertions on existing pipes
1118	Miscellaneous Quantities: Added storm sewer replacement at temporary inlet insertions on existing pipes, changed totals of eight bid items
1119	Miscellaneous Quantities: Added 18" salvaged apron endwalls
1125	Drainage Quantities: Lowered Inlet 694 and Endwall 695, changed stage of Inlets 692 & 693, changed offset of endwall 695, added note about salvaged apron endwall 695
1133	Drainage Quantities: Lowered Inlet 694 and Endwall 695, changed stage of Inlets 692 & 693, changed offset of endwall 695
1141	Drainage Quantities: Lowered Inlet 694 and Endwall 695, changed stage of Inlets 692 & 693, changed offset of endwall 695
1147	Drainage Quantities: Lowered pipe from 694, changed stages of pipes from 692 & 693
1153	Drainage Quantities: Lowered pipe from 694, changed stages of pipes from 692 & 693, changed length of pipe from 694
1155	Drainage Quantities: Changed total of one bid item
1196	Miscellaneous Quantities (Added * to indicate additional quantities are shown elsewhere)
1197	Miscellaneous Quantities (Updated 'Detour Plan' table)
1957	General Layout S-45-0225 (Delete sign area note)
1991	Earthwork Data (Removed duplicate station range of data due to the addition of south temp crossover – new sheet 2002A below)
1992	Earthwork Data (Removed duplicate station range of data due to the addition of south temp crossover – new sheet 2002A below)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description)
45A	Construction Details (Underdrain Detail)
52A	Construction Details (Trench Drain Detail)
1045A	Detour – IH 43 NB – Highland Rd Bridge Work (New detour route for use in full freeway closure)
1045B	Detour – IH 43 SB – Highland Rd Bridge Work (New detour route for use in full freeway closure)
1045C	Detour – IH 43 NB – Falls Rd Bridge Work (New detour route for use in full freeway closure)
1045D	Detour – IH 43 SB – Falls Rd Bridge Work (New detour route for use in full freeway closure)
1045E	Detour – IH 43 NB – CTH C Bridge Work (New detour route for use in full freeway closure)
1045F	Detour – IH 43 SB – CTH C Bridge Work (New detour route for use in full freeway closure)
1100A	Miscellaneous Quantities (Storm sewer pipe removals for temporary inlets)

2002A	Earthwork Data (Added data for south temp crossover)
2002B	Earthwork Data (Added data for north temp crossover)

ASP 5 has adjusted the BFI. The updated ASP 5 is being added to this addendum.

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

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 02

1229-04-76

November 1, 2021

Special Provisions

5. Prosecution and Progress

Delete the entire 4th paragraph, which begins with "Furnish a written...."

*Add the following section after the section titled **Rolling Closure**:*

Local Street Closure Restrictions

Definitions

The following definitions apply to this contract for local street work restrictions:

Peak Hours

6:00 AM – 9:00 PM	Monday, Tuesday, Wednesday, Thursday, Friday
11:00 AM – 8:00 PM	Saturday
1:00 PM – 5:00 PM	Sunday

Off Peak Hours (Night Time Closure Hours)

9:00 PM – 6:00 AM	Monday PM to Tuesday AM, Tuesday PM to Wednesday AM, Wednesday PM to Thursday AM, Thursday PM to Friday AM)
9:00 PM – 11:00 AM	Friday PM to Saturday AM
8:00 PM – 1:00 AM	Saturday PM to Sunday AM
5:00 PM – 6:00 AM	Sunday PM to Monday AM

*Replace paragraph 10 under section titled **Closure Restrictions** with the following:*

To minimize the total number of full freeway closures for girder erection, and bridge demolition, the contractor is allowed extended full freeway closures between 11:00 PM and 4:30 AM Sunday through Thursday nights and between 11:00 PM and 6:00 AM for Friday and Saturday nights. A full freeway closure is defined as one direction of the freeway. Closing both directions of the freeway constitutes using two full freeway closures. A total of twelve extended full freeway closures are allowed. Bridge superstructure demolition activities will require a full freeway closure in both directions. These closures are to be utilized only for bridge demolition, girder erection, and drainage system construction for the following locations:

- Highland Road bridge demolition and construction.
- Falls Road bridge demolition and construction.
- CTH C bridge demolition and construction.
- Culvert pipe removal and construction at Stations 1645+75, 1762+38, and 1762+75

*Replace the section titled **Interim Completion of Work August 19, 2022** with the following:*

Interim Completion of Work September 16, 2022

Open all lanes of Highland Road to traffic by September 16, 2022.

If the contractor fails to open all lanes of Highland Road to traffic by September 16, 2022, the department will assess the contractor \$4,000 in interim liquidated damages per day for each calendar day after 12:01 AM on September 17, 2022 that Highland Road is not open to all lanes of traffic. An

entire calendar day will be charged for any period of time within a calendar day that Highland Road is not open to all lanes of traffic beyond 12:01 AM.

8. Holiday and Special Event Restrictions.

Add the following as the last bullet under the first paragraph:

From noon Wednesday, July 3, 2024 to 6:00 AM Monday, July 8, 2024 for Independence Day

9. Utilities.

*Add the following paragraph under the section **Highland Road Interchange** prior to the paragraph beginning with "Spectrum has existing...":*

Ozaukee County Signals has existing traffic signal facilities located at the intersection of Highland Road and Port Washington Road. Construct, reconstruct, relocate, remove, discontinue and leave in place portions of traffic signal facilities as shown in the plans and bid items.

*Add the following paragraph under the section **Pioneer Road Interchange (CTH C)** prior to the paragraph beginning with "Spectrum has existing...":*

Ozaukee County Signals has existing traffic signal facilities located at the intersection of Pioneer Road and Port Washington Road. Construct, reconstruct, relocate, remove, discontinue and leave in place portions of traffic signal facilities as shown in the plans and bid items.

19. Railroad Insurance and Coordination – Union Pacific Railroad Company.

*Replace entire section titled **A.4 Work by Railroad** with the following:*

A.4 Work by Railroad

The railroad will perform the work described in this section, except for work described in other special provisions, and will be accomplished without cost to the contractor.

Install construction crossing

Replace the first paragraph of section A.5 Temporary Grade Crossing with following:

The department has made arrangements for temporary grade crossings to be installed by the railroad at locations deemed appropriate for both contractor needs and railroad requirements. Contact the railroad representative named in A.3 in writing, a minimum of four (4) weeks prior to March 31, 2022 to have the crossing installed by that date. The railroad flagger will unlock the railroad lock at the start of each day that the contractor needs to use the crossing. The railroad flagger will lock the gate at the end of each day, or any time that the flagger leaves the job site when the contractor no longer needs flagging services.

21. Hauling Restrictions.

Replace the second paragraph with the following:

The department will review the submittal and provide a letter identifying any areas of concern along the route within five business days of its receipt. The department will subsequently survey the existing condition of

that haul route to establish a baseline for assessing damage that the contractor's hauling operations might cause.

32. DELETED.

75. DELETED.

81. Backfill Slurry.

Replace paragraph two with the following:

Use fine aggregate according to standard spec 501.2.5.3, number 1, and coarse aggregates conforming to standard spec 501.2.5.4.1 number 1 and number 2, and water conforming to standard spec 501.2.4 in the backfill slurry mix. Provide a combined aggregate gradation for the backfill slurry mix conforming to standard spec 715.2.2. Weigh aggregates at a batch plant suitable for batching concrete masonry. Mix and deliver to the project site using a truck mixer. Add enough water to enable the mixture to flow readily. Submit a mix design for the engineers review prior to placement. Backfill Slurry is considered a class III concrete mix and the department will accept the mix by certification and will follow the QMP process per standard spec 716. Mix acceptance and testing in the field is not required.

121. High Performance Concrete (HPC) Masonry Structures, Item SPV.0035.4000.

Replace entire article language with the following:

A Description

This special provision describes specialized material and construction requirements for high-performance concrete used in bridge structures. Conform to standard spec 501, 502 and 509, as modified in this special provision.

B Materials

B.1 Coarse Aggregates

Replace 501.2.7.3.1(2) with the following:

- (1) Use clean, hard, durable crushed limestone with 100 percent fractured surfaces and free of excess flat and elongated pieces, lightweight particles, frozen lumps, vegetation, deleterious substances or adherent coatings considered injurious.
- (2) Use virgin aggregates only.

B.2 Deleterious Substances

Replace 501.2.7.2.2 and 501.2.7.3.3 paragraph one with the following:

- (1) The quantity of deleterious substances must not exceed the following percentages:

DELETERIOUS SUBSTANCE	PERCENT BY WEIGHT
Shale.....	1.0
Coal	1.0
Clay lumps	0.3
Soft fragments.....	5.0

Any combination of above	5.0
Flat or elongated pieces based on a 3:1 ratio ⁽¹⁾	15.0
Materials passing the No. 200 sieve	1.5
Chert ⁽²⁾	1.0
Lightweight pieces ⁽³⁾ in concrete not for prestressed concrete members.....	5.0
Lightweight pieces ⁽³⁾ in concrete for pre-stressed concrete members	2.0

⁽¹⁾ As modified in CMM 860

⁽²⁾ Material classified lithologically as chert and having a bulk specific gravity (saturated surface-dry basis) of less than 2.45. Determine the percentage of chert by dividing the weight of chert in the sample retained on a 3/8-inch sieve by the weight of the total sample.

⁽³⁾ Material having a saturated surface-dry bulk specific gravity of less than 2.45, tested according AASHTO T113. Determine the percentage of lightweight pieces by dividing the weight of the lightweight pieces in the sample retained on a 3/8-inch sieve by the weight of the total sample.

B.3 Physical Properties

Replace standard spec 501.2.7.3.2.1 (1) and (2) with the following:

- ⁽¹⁾ The department will ensure that Los Angeles wear testing conforms to AASHTO T 96, soundness testing conforms to AASHTO T 104 using 5 cycles in sodium sulfate solution on aggregate retained on the No. 4 sieve, and freeze-thaw soundness testing conforms to AASHTO T 103. The percent wear must not exceed 30, the weighted soundness loss must not exceed 6 percent, and the weighted freeze-thaw average loss must not exceed 15 percent.

B.4 Concrete Curing Materials

Replace standard spec 501.2.8 with the following:

- ⁽¹⁾ Furnish burlap conforming to AASHTO M 182, class 1, 2, 3 or 4.

C Construction

C.1 Extended Delivery Time

Delete standard spec 501.3.2.4.3.3.

C.2 Ready-Mixed Concrete

Replace standard spec 501.3.5.1 with the following:

Use central-mixed concrete for all work performed under this special provision. Central-mixed concrete is mixed in a stationary mixer and transported to the point of delivery with or without mechanical agitation in the transporting vehicle.

C.3 Delivery

Replace standard spec 501.3.5.2 (3) with the following:

- ⁽³⁾ Deliver and discharge all concrete within one hour beginning when adding water to the cement, or when adding cement to the aggregates. A decrease in air temperature below 60 F or the use of department-approved retarders does not increase the discharge time.

C.4 Slump

Replace standard spec 501.3.7.1 with the following:

- ⁽¹⁾ Use a 2-inch to 4-inch slump
⁽²⁾ Perform the slump tests for concrete according to AASHTO T119.

C.5 Hot Weather Concreting

Replace standard spec 501.3.8.2.1 (1) and (2) with the following:

- (1) The contractor is responsible for the quality of concrete placed in hot weather. Take the following steps to ensure the quality of the concrete placed. Submit a written temperature control plan at or before the pre-pour meeting. In that plan, outline the actions to control concrete temperature if the concrete temperature at the point of placement exceeds 80 F. Do not place concrete without the engineer's written acceptance of that temperature control plan. Perform the work as outlined in the temperature control plan.
- (2) If the concrete temperature at the point of placement exceeds 80 F, do not place concrete for items covered in this special provision.

C.6 Bridge Decks

Replace standard spec 501.3.8.2.2 with the following:

- (1) Do not place concrete for bridge decks when the air temperature is above 80 F.
- (2) For concrete placed in bridge decks, submit a written evaporation control plan at each pre-pour meeting. In that plan, outline the actions to maintain concrete surface evaporation at or below 0.15 pounds per square foot per hour. Do not place concrete for bridge decks without the engineer's written acceptance of that evaporation control plan. If the engineer accepts an evaporation control plan calling for ice, the department will pay \$0.75 per pound for that ice. Perform the work as outlined in the evaporation control plan.
- (3) If predicting a concrete surface moisture evaporation rate exceeding 0.15 pounds per square foot per hour, do not place concrete for bridge decks.
- (4) Provide evaporation rate predictions to the engineer 24 hours before each bridge deck pour.
- (5) Compute the evaporation rate from the predicted ambient conditions at the time and place of the pour using the nomograph, or computerized equivalent, specified in [CMM 525](#), figure 1 or using a computerized equivalent. Use weather information from the nearest national weather service station. The engineer will use this information to determine if the pour will proceed as scheduled.
- (6) At least 8 hours before each pour, the engineer will inform the contractor in writing whether or not to proceed with the pour as scheduled. If the actual computed evaporation rate during the pour exceeds 0.15 pounds per square foot per hour, at the engineer's discretion, the contractor may be allowed to implement immediate corrective action and complete the pour. If the engineer allows the placement to continue, the department will pay \$0.75 per pound for the quantity of ice required to maintain the concrete surface evaporation at or below 0.15 pounds per square foot per hour. If ice is not available the department will pay for any actions, beyond those described in the contractor's evaporation plan, required to complete the pour as the engineer directs.

C.7 Detailed Plans

Replace standard spec 502.3.2.1 with the following:

- (1) As specified in 105.2, submit four copies of detailed plans and computations for falsework, signed and sealed by a Professional Engineer registered in the State of Wisconsin, three weeks before erection of falsework for review and acceptance. Acceptance of the detailed plans and computations will in no way relieve the contractor of the responsibility of providing a safe and stable structure and obtaining satisfactory results.

C.8 Superstructures

Delete standard spec 502.3.5.4 (6).

C.9 Floors

Replace standard spec 502.3.7.8 (5) with the following:

- (5) Set the rails or tracks that the finish machine rides on, to the required elevation; and ensure they adjust to allow for settlement under load. Support the rails or tracks outside the limits of the finished riding surface. Do not support rails or tracks on the tops of girders, or within the finished riding surface, without the engineer's written permission.

For bridges that include Longitudinal Grooving Bridge Deck, delete paragraph thirteen, fourteen, and fifteen. For bridges that include Polymer Overlay, follow the requirements of paragraphs thirteen, fourteen, and fifteen.

Add the following to standard spec 502.3.7.8:

- (19) Do not place bridge deck concrete more than 10 feet ahead of the finishing machine. If there is a delay of more than 10 minutes during the placement of a bridge deck, cover all concrete (unfinished and finished) with wet burlap to protect the concrete from evaporation until placement operations resume.
- (20) Keep hand finishing, except for the edge of deck, to a minimum. Equip the finishing machine with a pan behind the screed. Apply micro texture using a broom or turf drag following the use of a 10-foot straight edge. Only finish by hand as necessary to close up finished concrete. Begin wet curing the deck within a timeframe acceptable to the engineer following the micro texture.
- (21) For bridge decks with a design speed of 40 mph or greater, provide longitudinal grooving
- (22) Provide lighting as necessary to safely perform the required work and facilitate inspection during nighttime hours. Ensure that lighting does not interfere with or impede traffic on open roadways and does not cause glare, shine or directly face the eyes of oncoming drivers. After initial setup, drive through and observe the lighted work area from each direction on the main roadway. Adjust lighting alignment if lighting causes glare, shine or directly faces the eyes of oncoming drivers.

C.10 General

Replace standard spec 502.3.8.1 (1) with the following:

- (1) Maintain adequate moisture throughout the concrete mass to support hydration for at least 14 days.

C.11 General

Replace standard spec 502.3.8.2.1 with the following:

- (1) Wet-cure the concrete for bridge decks, structural approach slabs, sidewalks on bridges and raised medians on bridges for 14 days by use of a soaker hose system, or other engineer-approved methods. Cover the finished surface of bridge decks and overlays with one layer of wetted burlap or wetted cotton mats within 10 minutes after the finishing machine has passed. Apply the burlap/cotton gently to minimize marking of the fresh concrete. Keep the first layer of burlap/cotton continuously wet until the bridge deck or overlay is sufficiently hard to apply a second layer of wetted burlap/cotton. Immediately after applying the second layer of burlap/cotton, continue to keep the deck wet until placing and activating the soaker hose system. Throughout the remainder of the curing period, keep the burlap/cotton continuously wet with soaker hoses hooked up to a continuous water source. Inspect the burlap/cotton twice daily to ensure the entire surface is moist. If necessary, alter the soaker hose system as needed to ensure the entire surface is covered and stays moist. After 48 hours from the time of completion of the bridge deck or overlay pour, the soaker hose system and burlap/cotton may be covered with polyethylene sheeting. Provide a continuous flow of water through the soaker hose system for the entire curing period.
- (2) Do not uncover any portion of the deck during the first 7 days of the curing period except as allowed by the engineer.
- (3) Set up and test the fogging system before each bridge deck, structural approach slab, bridge mounted sidewalk or bridge mounted raised median pour. Keep the fogging system set up and operational during the pour.

C.12 Decks

Delete standard spec 502.3.8.2.3.

C.13 Parapets

Replace standard spec 502.3.8.2.4 with the following:

- (1) Cure the inside and outside concrete faces and tops of railings or parapets by covering with wetted burlap within a timeframe acceptable to the engineer after form removal and surface finish application. Keep the burlap thoroughly wet for at least 7 days; or by covering for the same period with thoroughly wet polyethylene-coated burlap conforming to 501.2.8.
- (2) Secure coverings along all edges to prevent moisture loss.

C.14 Bridge Decks

Replace standard spec 502.3.9.6 (1) 2. with the following:

- (2) Protect the underside of the deck, including the girders, for bridge deck and overlay pours by housing and heating when the national weather service forecast predicts temperatures to fall below 32° F during the cold weather protection period. Maintain a minimum temperature of 40° F in the enclosed area under the deck for the entire 14-day curing period.

C.15 Strength Evaluation Structures and Cast-in-Place Barrier

Replace standard spec 715.3.2.2.2 (1) and (5) with the following:

- (1) The department will evaluate the subplot for possible removal and replacement if the 28-day subplot average compressive strength is lower than $f'c$ minus 250 psi. The value of $f'c$ is the design stress the plans show. The department may assess further strength price reductions or require removal and replacement only after coring the subplot.
- (5) If the 3 core average is greater than or equal to 90 percent of the $f'c$, and no individual core is than less than 80 percent of the $f'c$, the engineer will accept the subplot at the previously determined pay for the lot. If the 3-core average is less than 90 percent of the $f'c$, or an individual core is less than 80 percent of the $f'c$, the engineer may require contractor to remove and replace the subplot or assess a price reduction of \$35 per cubic yard or more.

C.16 Sampling and Testing

Supplement standard spec 710.5 with the following:

710.5.8 Chloride Penetration Resistance

- (1) For each new or changed mix design, measure chloride penetration resistance according to AASHTO T 277 (Rapid Chloride Permeability Test) at a frequency of 1 test per 3 months (quarterly) of production.
- (2) Strip permeability samples for AASHTO T 277 testing of their molds and wet cure to an age of 7 days in a standard moist room or water tank. After 7 days, submerge the samples in water heated to 100 F until an age of 28 days. Upon completion of the curing process, obtain one sample from each cylinder and test according to AASHTO T 277.
- (3) Ensure that the initial accepted mix designs meet the chloride penetration resistance limit of 1500 coulombs based on the AASHTO T 277 Rapid Chloride Permeability test. Chloride resistance testing conducted quarterly using AASHTO T 277 Rapid Chloride Permeability Test during production will not be used for acceptance of previously accepted mixes and concrete masonry mixed and placed according to the contract requirements. For quarterly chloride resistance test results exceeding 1500 coulombs, the department may require adjustment of the concrete mix going forward to improve the chloride penetration resistance.

C.17 Structures

Replace standard spec 715.2.2.2 (1) with the following:

- (1A) Develop and test each mix to be used for HPC Masonry Structures. Produce a laboratory trial mix for each mix, as well as a trial mix from each plant used to supply the project. Test all mixes at a department-qualified laboratory.
- (1B) The laboratory trial mix data must include the results of the following tests:
 1. AASHTO T 119 Slump of Hydraulic Cement Concrete.
 2. AASHTO T 121 Mass per Cubic Foot, Yield

3. AASHTO T 152 Air Content.
4. AASHTO T 22 Compressive Strength.
5. AASHTO T 277 Rapid Determination of the Chloride Permeability of Concrete, using the modified curing procedure according to 710.5.7 (2) in this special provision.
6. AASHTO T 309 Temperature.
7. Water Cement Ratio.

^(1C) The 28-day compressive strength must be at least 4000 psi. The 28-day results of the permeability test must be at most 1500 coulombs.

Replace standard spec 715.2.2.2 (2) with the following:

- ⁽²⁾ Provide a cementitious content within a range of 470 to 540 pounds per cubic yard. For all superstructure and substructure concrete, unless the engineer approves otherwise in writing, conform to one of the following:
 1. Use class C fly ash, class F fly ash, or grade 100 or 120 slag as a partial replacement for portland cement. For binary mixes use fly ash within a range of 15 to 30 percent or slag within a range of 20 to 30 percent. For ternary mixes use fly ash plus slag in combination within a range of 15 to 30 percent. Percentages are stated as percent by weight of the total cementitious material in the mix.
 2. Use a type IP, IS, or IT blended cement.

D (Vacant)

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.4000	HPC Masonry Structures	CY

Payment for HPC Masonry Structures will follow standard spec 502.5.2 and as follows:

- ⁽⁵⁾ Lighting for nighttime bridge deck placement is included in payment.

183. Field Office Special, Item SPV.0135.0001.

Replace entire section titled B Materials with the following:

B Materials

Obtain engineer approval before providing an existing office building, or an existing building converted to office-type use. Ensure that the building meets all applicable health, fire, and building codes and standards. Provide first aid kits, fire extinguishers, and all other supplies required to meet all applicable health, fire, and building codes and standards. The field office must be located within 1 mile of the project limits.

Provide; maintain in clean good working condition; and stock lavatory with sanitary supplies, including a sufficient supply of soap; hand sanitizer; toilet paper; and paper towels. The on-site sanitary facilities must meet Federal, State, and local health department requirements at all times.

Equip these facilities with suitable natural and-artificial lighting. Also provide adequate heating and air conditioning equipment and fuel necessary to maintain a temperature range from 68 F to 80 F during the hours occupied.

Equip:

- Doors and windows with locks.
- Exterior doors with dead bolt locks.
- Windows with exterior screens to allow adequate ventilation.

Provide approximately 7,000 square feet of interior useable floor space, including shared spaces, such as plan review areas, conference rooms, storage areas, meeting areas, hallways, and restrooms.

Meeting Area: Obtain engineer's approval of a suitably sized, open meeting area, including tables and folding chairs, to accommodate regularly scheduled meetings of 40 people, minimum 1000 sf. Include a 50-inch minimum wall mounted tv/monitor with appropriate cables to connect to a computer display, a 4' x 8' white board with dry erase markers and erasers, and phone jack with phone service. Provide one new speakerphone with a minimum of four wireless microphones.

Reception Area: Provide an area for reception

Break Room: Provide a kitchenette / break area, 200 sf minimum.

Storage Room: 1,000 sf minimum with a door and two lock/key sets.

Work Station Cubicles: 28 work stations cubicles, each work station cubicle 64 sf minimum with dividers between each work station. Each work station requires a desk, shelf, 4-drawer file cabinet and two 110V electrical outlets.

Within footprint, there should be 6 private rooms with a minimum of 100 sf each, additionally equipped with a four-shelf bookcase, separate temperature control, a large lockable metal storage cabinet, a 4' x 3' whiteboard with dry-erase markers, and two 110V electrical outlets. Supply the interior doors to these rooms with locks and key sets, independent of the main access key security.

Provide one ergonomically correct office chair in working condition, with, at a minimum, the following features for each of the work station cubicles and private rooms. The office chair requires the following:

- Five-legged base with casters
- High backrest
- Seat adjustable from 15 inches to 22 inches from the floor with a "seamless waterfall, rounded front edge

For all work stations and private rooms, provide unlimited high-speed internet service for exclusive department use via cable or DSL connection with a modem/router and capable of supporting cloud enabled file sharing, voice over internet protocol (VoIP), video conferencing, and web-based applications.

Ensure that system meets the following:

- Includes a wireless network for the field office.
- Can accommodate IPsec based VPN products.
- Has a broadband bandwidth range with minimum connection speed of 100 Mbps + 1/2 Mbps per user download and 20 Mbps upload. Coordinate network setup at the leased office with the WisDOT network team.
- Include a hard wire connection for internet meeting the minimum connection speed to each workstation.

Provide and install into the field office two telephone exchanges with local and long-distance service or VoIP phone network. The voice exchanges are to be configured so that the incoming calls for any voice exchange utilize an open exchange. The telephones and the communication services are for the sole use of the department staff.

Provide two new Windows 10 compliant, high-capacity color printer/photocopier/scanners capable of

printing and copying up to 11" x 17" paper, with the ability to perform duplexing, sorting, stapling, and multiple sheet auto feeding, with a built-in scanner with the capability to scan black and white and color up to 11" x 17" at a minimum of 1200dpi, and with a direct or field office wireless network connection, as approved by the engineer.

Provide and maintain an adequate supply of bottled drinking water. Provide two refrigerators with a minimum 18 cubic foot capacity, including a freezer. Provide two microwave ovens with a minimum 1.1 cubic foot capacity, a minimum of 1000 watts, and a removable glass turntable.

Maintain the field office equipment and provide supplies for the photocopiers as requested by the engineer.

Provide for the professional cleaning of the field office during regular business hours once per week.

Provide carpet runners at all entrances. Clean weekly and replace as necessary or as directed by the engineer.

Provide clearly marked recycling and waste receptacles within the field office, and separate recycling and waste dumpsters near the field office. Cover outdoor containers to keep out rain, and snow. Provide regularly scheduled recycling and waste pick-up.

Include an adjacent, no-fee, lighted parking lot large enough to accommodate the needs of the field office at peak usage, as approved by the engineer. Maintain the parking lot and egress, including snow removal.

Replace the third paragraph of **Section C Construction** with the following:

The field office shall remain available for the department until the engineer approves its closure. These field facilities are for the sole use of the department and upon contract completion remain the contractor's property.

Schedule of Items

Attached, dated November 1, 2021, are the revised Schedule of Items Pages 1 - 40.

Plan Sheets

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

Revised Sheets:

12, 13, 16, 41, 93, 486, 492, 493, 529, 538, 572, 1099, 1102, 1104, 1105, 1108, 1112-1119, 1125, 1133, 1141, 1147, 1153, 1155, 1196, 1197, 1957, 1991, 1992

New sheets:

45A, 52A, 1045A, 1045B, 1045C, 1045D, 1045E, 1045F, 1100A, 2002A, 2002B

END OF ADDENDUM

ADDITIONAL SPECIAL PROVISIONS 5 FUEL COST ADJUSTMENT

A Description

Fuel Cost Adjustments will be applied to partial and final payments for work items categorized in Section B as a payment to the contractor or a credit to the department. ASP-5 shall not apply to any force account work.

B Categories of Work Items

The following items and Fuel Usage Factors shall be used to determine Fuel Cost Adjustments:

(1) Earthwork.		Unit	Gal. Fuel Per Unit
205.0100	Excavation Common	CY	0.23
205.0200	Excavation Rock	CY	0.39
205.0400	Excavation Marsh	CY	0.29
208.0100	Borrow	CY	0.23
208.1100	Select Borrow	CY	0.23
209.1100	Backfill Granular Grade 1	CY	0.23
209.1500	Backfill Granular Grade 1	Ton	0.115
209.2100	Backfill Granular Grade 2	CY	0.23
209.2500	Backfill Granular Grade 2	Ton	0.115
350.0102	Subbase	CY	0.28
350.0104	Subbase	Ton	0.14
350.0115	Subbase 6-Inch	SY	0.05
350.0120	Subbase 7-Inch	SY	0.05
350.0125	Subbase 8-Inch	SY	0.06
350.0130	Subbase 9-Inch	SY	0.07
350.0135	Subbase 10-Inch	SY	0.08
350.0140	Subbase 11-Inch	SY	0.09
350.0145	Subbase 12-Inch	SY	0.09

C Fuel Index

A Current Fuel Index (CFI) in dollars per gallon will be established by the Department of Transportation for each month. The CFI will be the price of No. 2 fuel oil, as reported in U.S. Oil Week, using the first issue dated that month. The CFI will be the average of prices quoted for Green Bay, Madison, Milwaukee and Minneapolis.

The base Fuel Index (BFI) for this contract is \$2.70 per gallon.

D Computing the Fuel Cost Adjustment

The engineer will compute the ratio CFI/BFI each month. If the ratio falls between 0.85 and 1.15, inclusive, no fuel adjustment will be made for that month. If the ratio is less than 0.85 a credit to the department will be computed. If the ratio is greater than 1.15 additional payment to the contractor will be computed. Credit or additional payment will be computed as follows:

- (1) The engineer will estimate the quantity of work done in that month under each of the contract items categorized in Section B.
- (2) The engineer will compute the gallons of fuel used in that month for each of the contract items categorized in Section B by applying the unit fuel usage factors shown in Section B.
- (3) The engineer will summarize the total gallons (Q) of fuel used in that month for the items categorized in Section B.
- (4) The engineer will determine the Fuel Cost Adjustment credit or payment from the following formula:

$$FA = \frac{CFI}{BFI} - 1 \times Q \times BFI$$

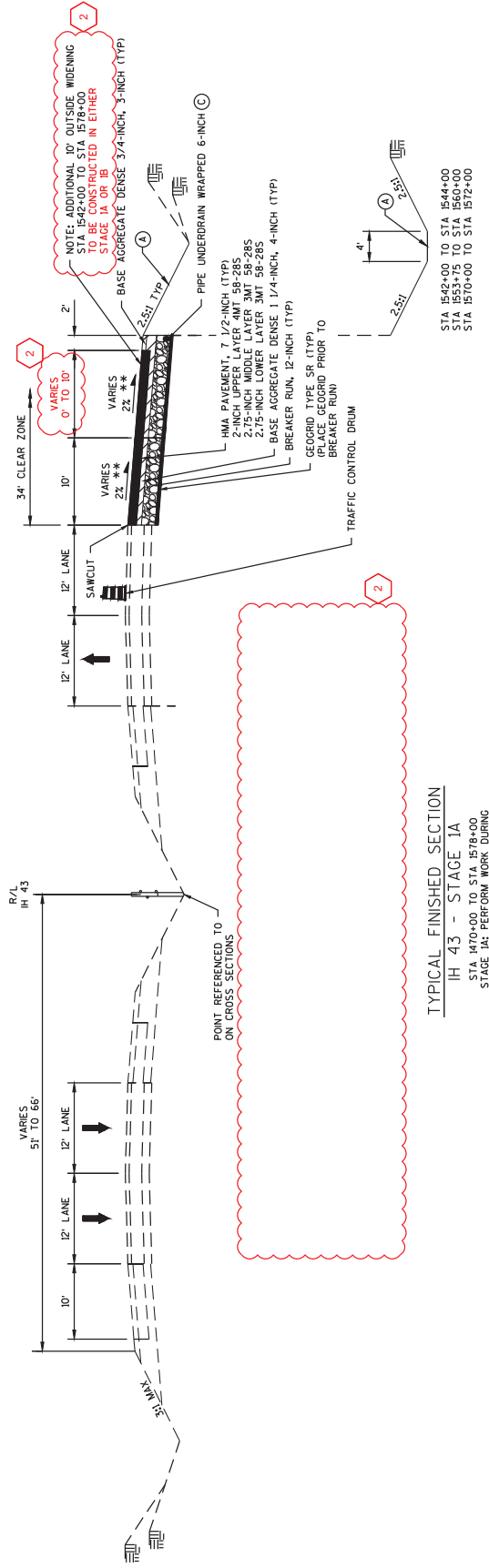
(plus is payment to contractor; minus is credit to the department)

Where	FA	=	Fuel Cost Adjustment (plus or minus)
	CFI	=	Current Fuel Index
	BFI	=	Base Fuel Index
	Q	=	Monthly total gallons of fuel

E Payment

A Fuel Cost Adjustment credit to the department will be deducted as a dollar amount each month from any sums due to the contractor. A Fuel Cost Adjustment payment to the contractor will be made as a dollar amount each month.

Upon completion of the work under the contract, any difference between the estimated quantities and the final quantities will be determined. An average CFI, calculated by averaging the CFI for all months that fuel cost adjustment was applied, will be applied to the quantity differences. The average CFI shall be applied in accordance with the procedure set forth in Section D.



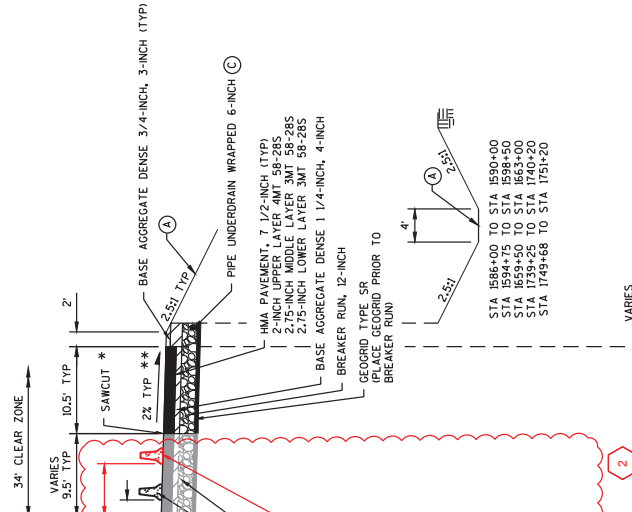
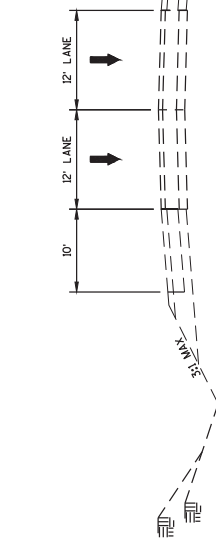
Addendum No. 02
 ID 1229-04-76
 Revised Sheet 12
 November 1, 2021

- NOTES:
- (A) TOPSOIL, SPECIAL, SEEDING NO. 30 SPECIAL, FERTILIZER TYPE B, AND EROSION MAT
 - (C) INSTALL APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EVERY 250' AND AT PROFILE LOW POINTS. REMOVAL IN SUBSEQUENT STAGES CONSIDERED INCIDENTAL TO EXCAVATION COMMON BID ITEM.

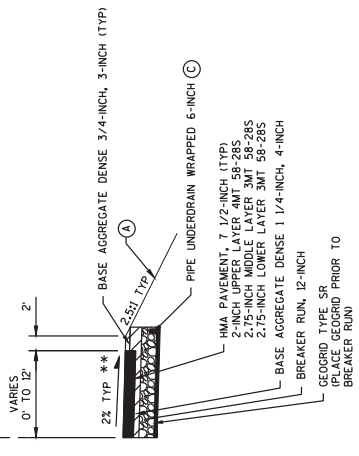
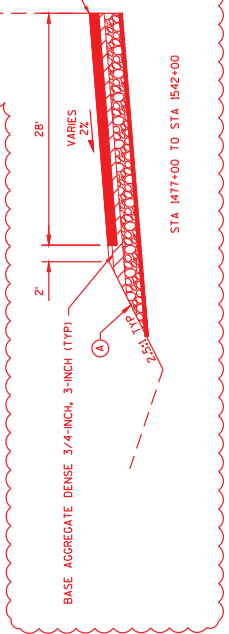
TYPICAL FINISHED SECTION
 IH 43 - STAGE 1A
 STA 1570+00 TO STA 1578+00
 12' LANE CLOSURE
 FREEWAY LANE CLOSURE HOURS

** MATCH CROSS SLOPE OF ADJACENT TRAVEL LANE.

R/L
IH 43



POINT REFERENCED TO
ON CROSS SECTIONS



Addendum No. 02
ID 1229-04-76
Revised Sheet 13
November 1, 2021

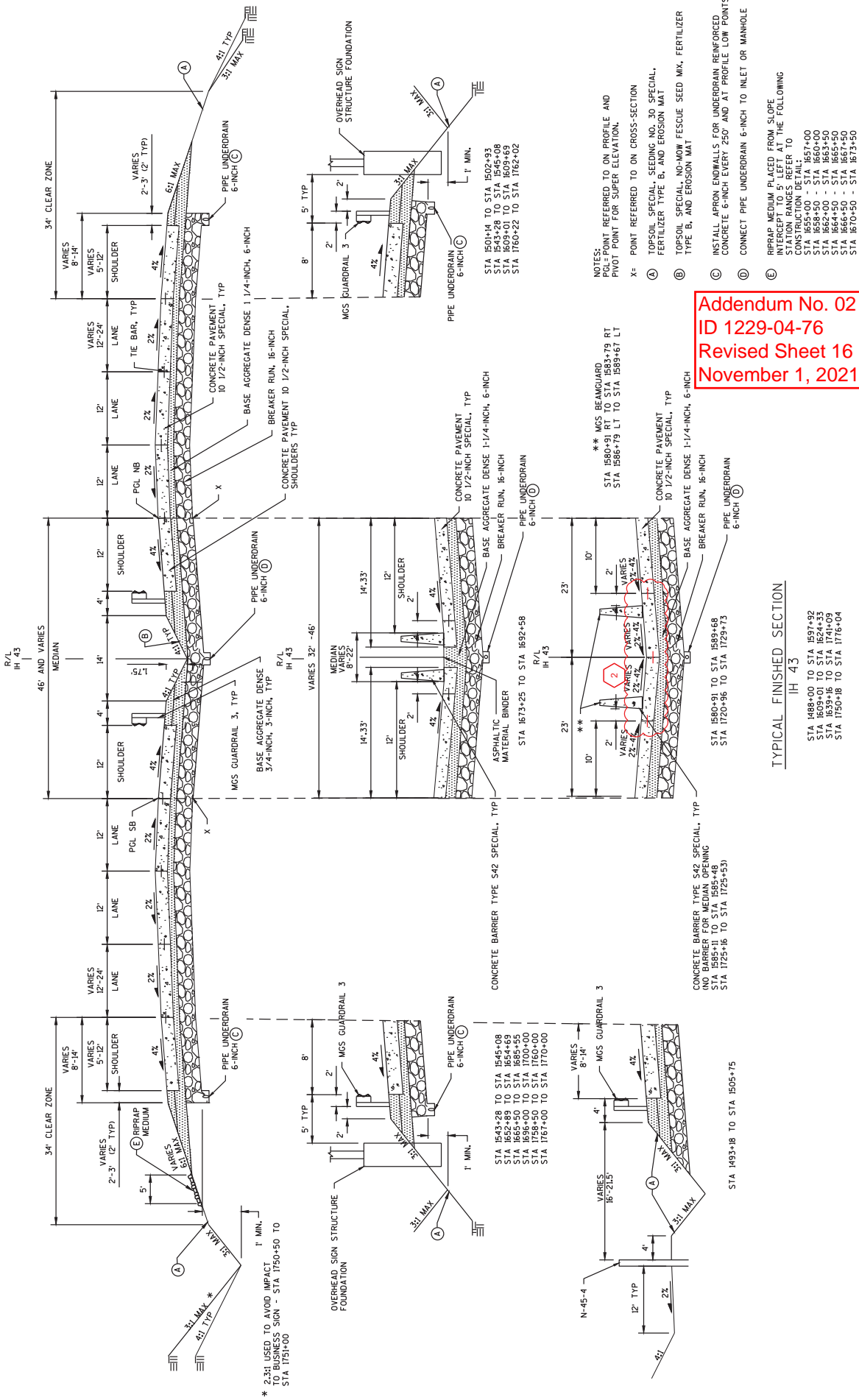
TYPICAL FINISHED SECTION
IH 43 - STAGE IB
STA 1477+00 TO STA 1542+00
STAGE IB: PERFORM WORK AFTER
PLACING CONCRETE BARRIER
TEMPORARY PRECAST

STA 1586+00 TO STA 1590+00
STA 1594+75 TO STA 1598+50
STA 1602+00 TO STA 1610+00
STA 1739+25 TO STA 1740+20
STA 1749+68 TO STA 1751+20

VARIES
0' TO 12'

- NOTES:
- A TOPSOIL SPECIAL, SEEDING NO. 30 SPECIAL FERTILIZER TYPE B, AND EROSION MAT
 - B INSTALL APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EVERY 250' AND AT PROFILE LOW POINTS. REMOVAL IN SUBSEQUENT STAGES CONSIDERED INCIDENTAL TO EXCAVATION COMMON BID ITEM.

* SAWCUT ASPHALT 0.5' FROM EDGE OF PAVEMENT PLACED IN PREVIOUS CONTRACT FOR CLEAN PAVING JOINT.
** MATCH CROSS SLOPE OF ADJACENT TRAVEL LANE.



Addendum No. 02
ID 1229-04-76
Revised Sheet 16
November 1, 2021

- NOTES:
 PCL-POINT REFERRED TO ON PROFILE AND PLOT FOR SUPER ELEVATION.
 X= POINT REFERRED TO ON CROSS-SECTION
- (A) TOPSOIL SPECIAL, SEEDS NS, 30 SPECIAL, FERTILIZER, TYPE B, AND EROSION MAT
 - (B) TOPSOIL SPECIAL, NO-MOW FESCUE SEED MX, FERTILIZER TYPE B, AND EROSION MAT
 - (C) INSTALL APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EVERY 250' AND AT PROFILE LOW POINTS.
 - (D) CONNECT PIPE UNDERDRAIN 6-INCH TO INLET OR MANHOLE
 - (E) RIPRAP MEDIUM PLACED FROM SLOPE RECESSED 6-INCH FROM THE FOLLOWING STATION RANGES REFER TO CONSTRUCTION DETAIL:
 STA 1655+00 - STA 1657+00
 STA 1662+00 - STA 1665+00
 STA 1664+50 - STA 1665+50
 STA 1666+50 - STA 1667+50
 STA 1670+50 - STA 1673+50

TYPICAL FINISHED SECTION
 IH 43

- STA 1488+00 TO STA 1597+92
- STA 1609+01 TO STA 1624+33
- STA 1659+16 TO STA 1741+09
- STA 1750+18 TO STA 1776+04

GENERAL NOTES

- WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.
- EXPANSION JOINTS IN CONCRETE BARRIER SHALL BE LOCATED AT ALL DECK AND PRINCIPAL WALL JOINTS. EXPANSION JOINT FILLER MATERIAL SHALL BE THE SAME SIZE AS JOINT OF $\frac{1}{2}$ " MINIMUM.
- WHERE VERTICAL ROADWAY OFFSET IS GREATER THAN 1", USE TYPE A.
- PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.
- EXCEPT IN ANCHORS, VERTICAL REINFORCING STIRRUP NOT REQUIRED FOR ROADWAY OFFSETS LESS THAN 1'-0".
- MONOLITHIC FOOTING OR DOWELED FOOTING 2'-#8 X 8' @ 2'-0".
- STAGGER LAPSPINS OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF STEEL 2 FEET. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
- 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATION 901.
- WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL THROUGH SLIP FORM TO NEXT OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAPS TO BE FIRMLY TIED.
- USE $\frac{3}{4}$ " BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
- 2" CLEAR COVER TYPICAL.
- COLD-JOINTS MAY BE USED BETWEEN ANCHOR INSTALLATIONS, WHEN A COLD JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED.

14-NO ABNORMAL VERTICAL STEEL IS NEEDED--

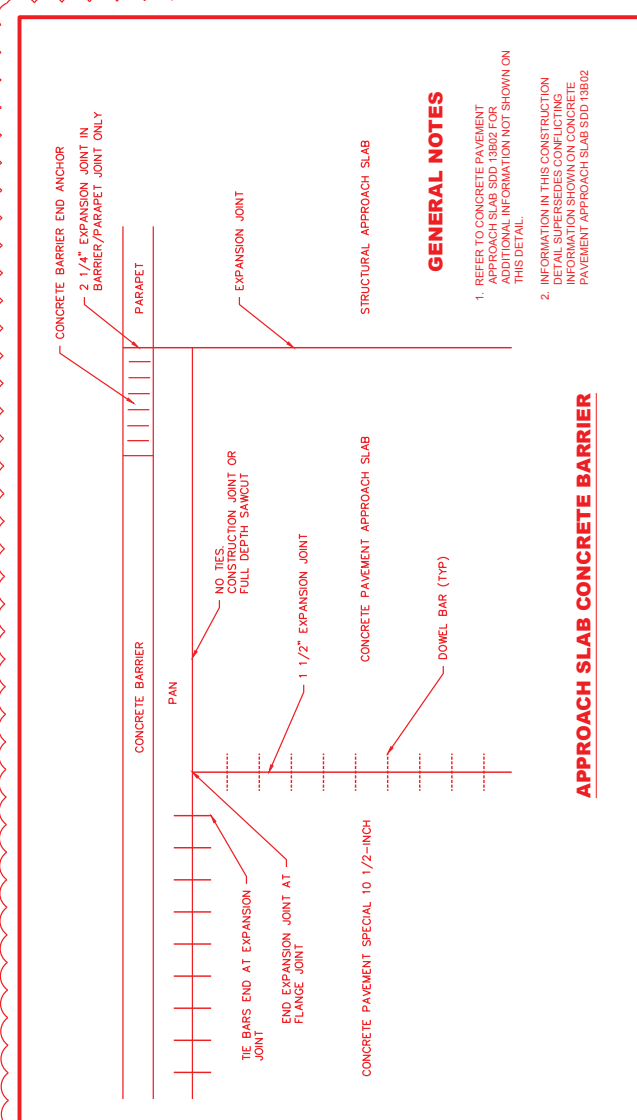
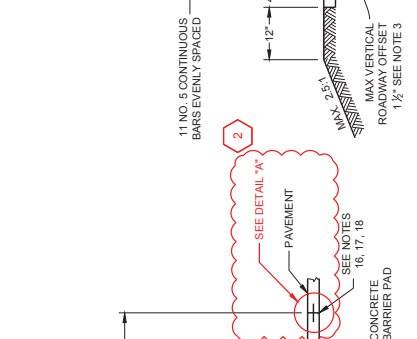
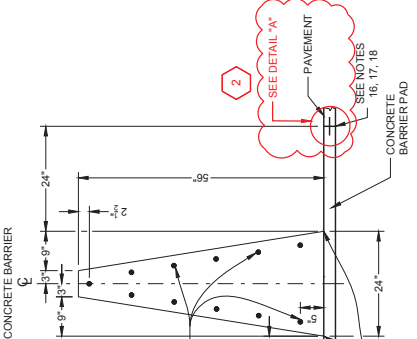
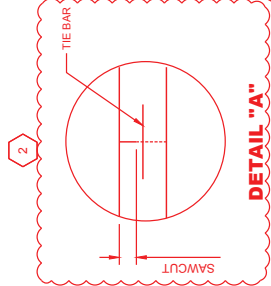
15- FOR ALL BARRIER TYPES SHOWN, ANCHOR IS REQUIRED AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER. ANCHOR MAY BE AS SHOWN ON DRAWING OR DETAILS SHOWN ON S.D.D. THESE ANCHORS INCIDENTAL TO CROSS.

16- CONCRETE PAD UNDER GBSS MAY BE PLACED INTEGRAL WITH BARRIER, PLACED SEPARATELY OR IS INCIDENTAL TO CONCRETE SHOULDER AND SAWED 13" DEPTH. SAWING OF CONCRETE SHOULDER IS INCIDENTAL TO CONCRETE BARRIER BID ITEM. CONCRETE PAD IS EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER AND CONCRETE PAD FORTH SHALL BE SAME. CONCRETE PAVEMENT BID ITEM IN CONTRACT WHEN ADJACENT TO CONCRETE PAVEMENT.

17- CONSTRUCTION JOINTS MAY BE ELIMINATED WHEN CONCRETE SHOULDER IS LESS THAN 10"

18- SEE SDD 19C1 FOR DETAILS TYING BARRIER FOOTING TO ADJACENT CONCRETE.

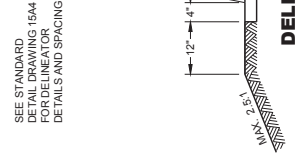
19- PROVIDE A 1" DEEP CONTRACTION JOINT IN BARRIER PAD AND BARRIER. JOINT IS TO MATCH ADJACENT CONCRETE JOINTS. NO DOWEL BARS ARE REQUIRED FOR BARRIER PAD. IF ADJACENT TO ASPHALT, CONTRACTION JOINT IS REQUIRED EVERY 15'.



GENERAL NOTES

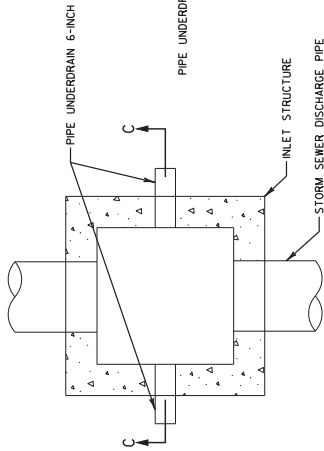
- REFER TO CONCRETE PAVEMENT APPROACH SLAB SDD 13B02 FOR ADDITIONAL INFORMATION NOT SHOWN ON THIS DETAIL.
- INFORMATION IN THIS CONSTRUCTION DETAIL SUPERSEDES CONFLICTING INFORMATION SHOWN ON CONCRETE PAVEMENT APPROACH SLAB SDD 13B02

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 ID 1229-04-76
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 November 1, 2021



NOTES

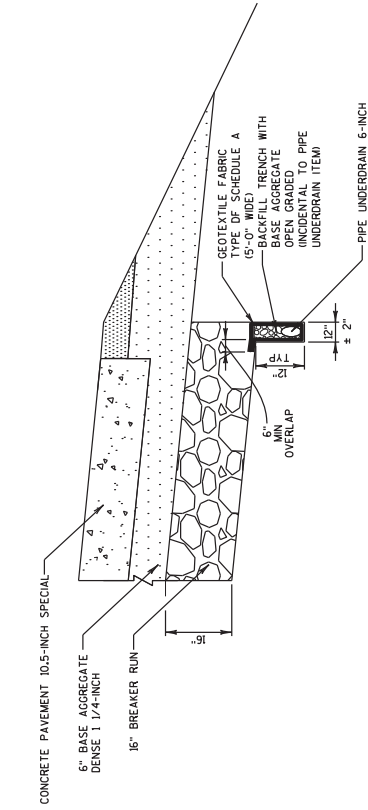
- 1. CONNECTIONS TO INLETS OR MANHOLES IN MEDIAN SHALL USE PIPE UNDERDRAIN 6-INCH.
- 2. PROVIDE TWO 6" DIA. OPENINGS FOR UNDERDRAIN PIPE A MINIMUM OF 30" BELOW THE RIM ELEVATION.
- 3. SEE TYPICAL SECTIONS FOR PIPE UNDERDRAIN LOCATIONS.
- 4. CONNECTION TO INLET OR MANHOLE IS INCIDENTAL TO THE PIPE UNDERDRAIN 6-INCH BID ITEM.



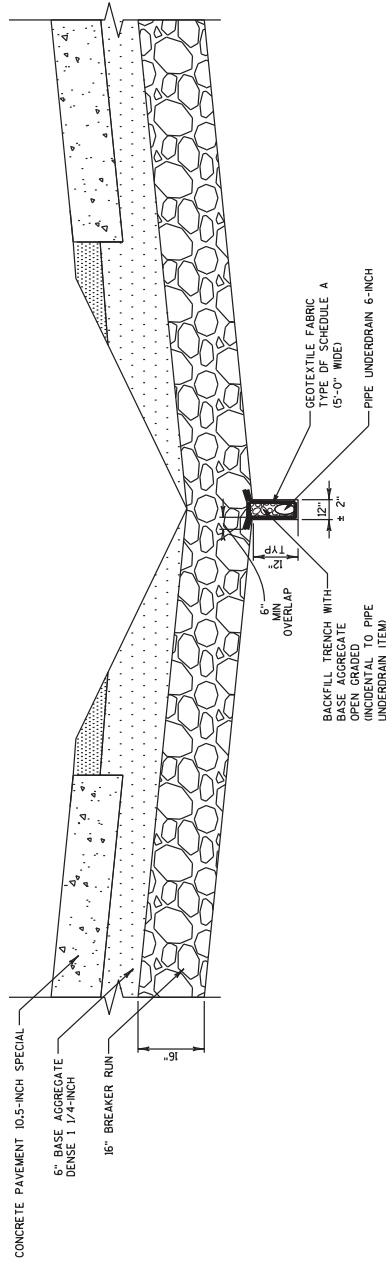
PLAN VIEW

SECTION C-C

UNDERDRAIN OUTFALL AT INLET



OUTSIDE SHOULDER UNDERDRAIN TRENCH DETAIL

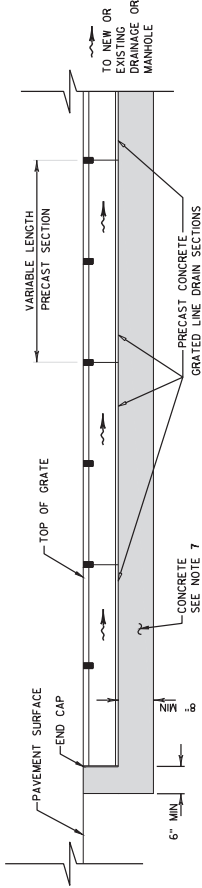


MEDIAN UNDERDRAIN TRENCH DETAIL

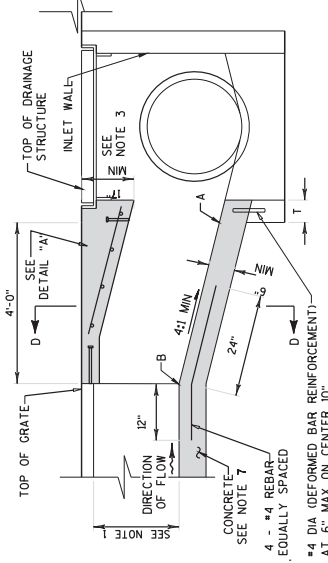
Addendum No. 02
ID 1229-04-76
New Sheet 45A
November 1, 2021

NOTES:

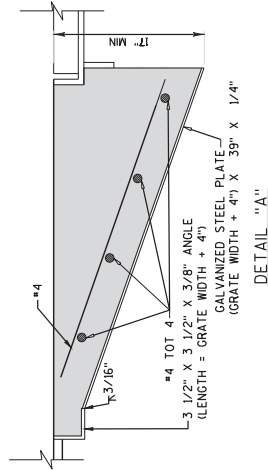
1. PROVIDE A 15-INCH DIAMETER DRAIN OR EQUIVALENT.
2. SUBMIT SHOP DRAWINGS FOR PRECAST TRENCH DRAIN SECTIONS SHOWING ALL OUTLET CONNECTIONS AND GRADES.
3. CONTRACTOR TO FIELD VERIFY MINIMUM DEPTH TO AVOID CONFLICT WITH INLET TOP, SPECIFICATIONS AND DETAILS.
4. PRECAST TRENCH DRAINS SHALL BE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND DETAILS.
5. PROVIDE A 1/4"-1/2" EXPANSION JOINT WITH AN EMULSIFIED JOINT FILLER BETWEEN CONCRETE PAVEMENT AND TRENCH DRAIN ENCASEMENT.
6. CONTRACTOR TO FIELD VERIFY MINIMUM DEPTH TO AVOID CONFLICT WITH CASTINGS, RINGS OR STRUCTURE DECK.
7. CONCRETE GRADE SHALL MATCH ABUTTING MAINLINE CONCRETE PAVEMENT, UNLESS OTHERWISE APPROVED BY THE ENGINEER.



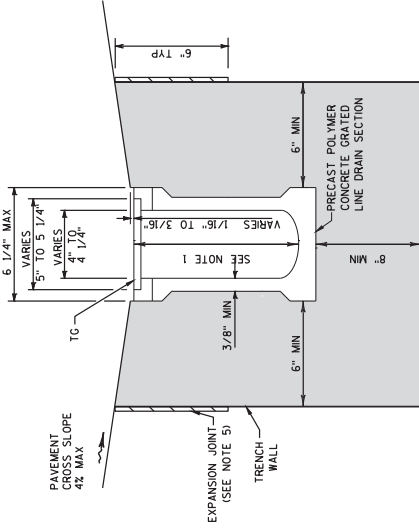
SECTION A-A
SEE NOTE 1



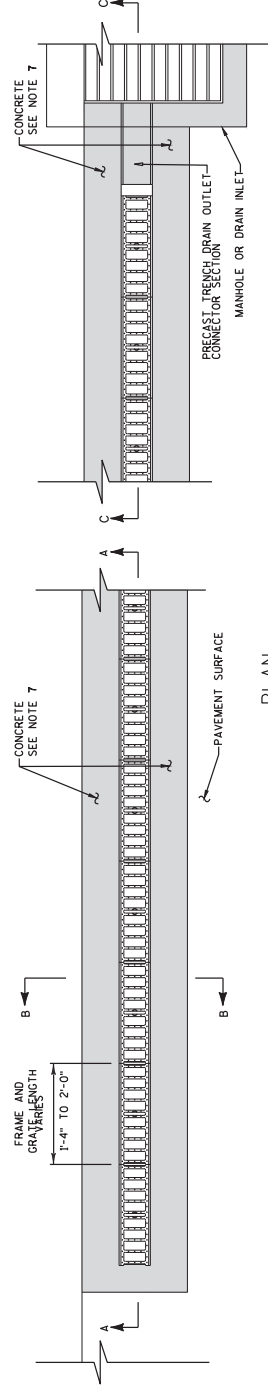
SECTION C-C
CAST IN PLACE OUTLET CONNECTION



DETAIL 'A-A'



SECTION B-B
PRECAST GRATED LINE DRAIN WITH NON-INTEGRAL FRAME






PLAN

Addendum No. 02
ID 1229-04-76
New Sheet 52A
November 1, 2021

PRECAST TRENCH DRAIN DETAIL

Addendum No. 02
 ID 1229-04-76
 Revised Sheet 93
 November 1, 2021

REMOVAL LEGEND

- XXXXXX SAWING PAVEMENT
- ||||| REMOVING CURB & GUTTER
-  REMOVING CONCRETE PAVEMENT
- - - REMOVING FENCE
- REMOVING CABLE BARRIER
- REMOVING GUARDRAIL
- · · · · CLEARING AND GRUBBING
- × CLEARING AND GRUBBING
- RM 2 - REMOVING STORM SEWER STAGE 2
- RM 3 - REMOVING STORM SEWER STAGE 3
- RM 4 - REMOVING STORM SEWER STAGE 4
- AB 2 - ABANDONING STORM SEWER STAGE 2
- AB 3 - ABANDONING STORM SEWER STAGE 3
- AB 4 - ABANDONING STORM SEWER STAGE 4
-  REMOVING INLETS
-  REMOVING DELINEATORS AND MARKERS

GENERAL NOTES

- 1) ALL ITEMS ASSOCIATED WITH LIGHTING REMOVALS ARE SHOWN IN LIGHTING PLAN.
- 2) ALL ITEMS ASSOCIATED WITH SIGN REMOVALS ARE SHOWN IN THE SIGN PLAN.
- 3) ALL ITEMS ASSOCIATED WITH TRAFFIC SIGNALS ARE SHOWN IN THE TRAFFIC SIGNAL PLAN.
- 4) ALL ITEMS ASSOCIATED WITH SIGN REMOVALS ARE SHOWN IN THE SIGN PLAN.
- 5) CLEARING AND GRUBBING SHALL BE PAID FOR EITHER BY THE STATION OR INCH DIAMETER (I.D.)
- 6) ABANDONING PIPE WITHIN THE FOOTPRINT OF THE PROPOSED ROADWAY (OUTSIDE SHOULDER) WILL BE DONE WITH BACKFILL CONTROLLED LOW STRENGTH.
- 7) ABANDONING PIPES OUTSIDE THE FOOTPRINT OF THE PROPOSED ROADWAY WILL BE DONE WITH ABANDONING SEWER.

PROJECT NO: 1229-04-76

HWY: IH43

COUNTY: OZAUKEE

REMOVAL PLAN - LEGEND

SHEET

93

E
 WISSOT/CADD SHEET 42

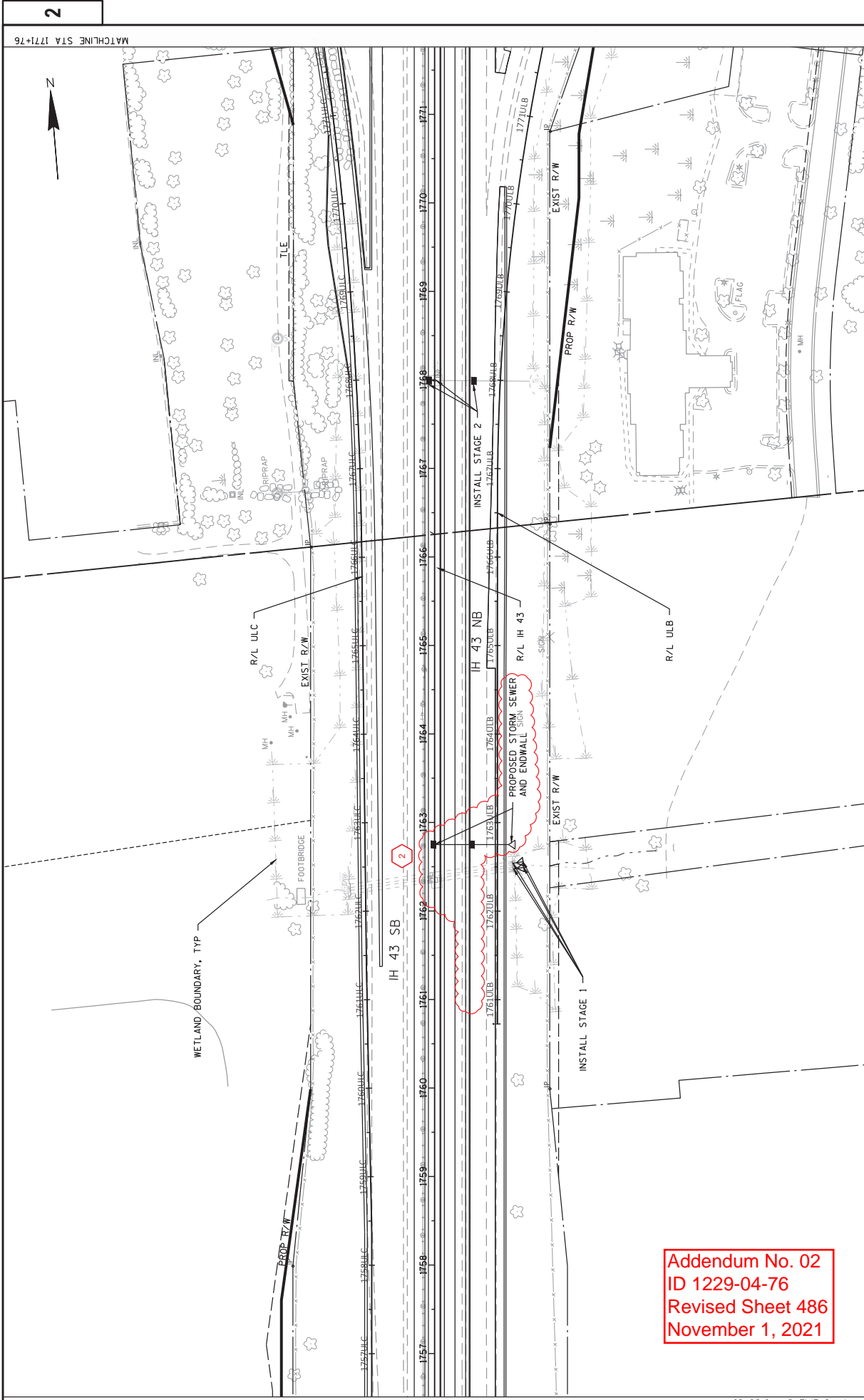
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LAYOUT NAME: RM-LEGEND

PLOT DATE: 10/22/2021 7:56 AM

PLOT BY: WALTER A. WOLAKI

PLOT SCALE: 1 IN=100 FT



Addendum No. 02
 ID 1229-04-76
 Revised Sheet 486
 November 1, 2021

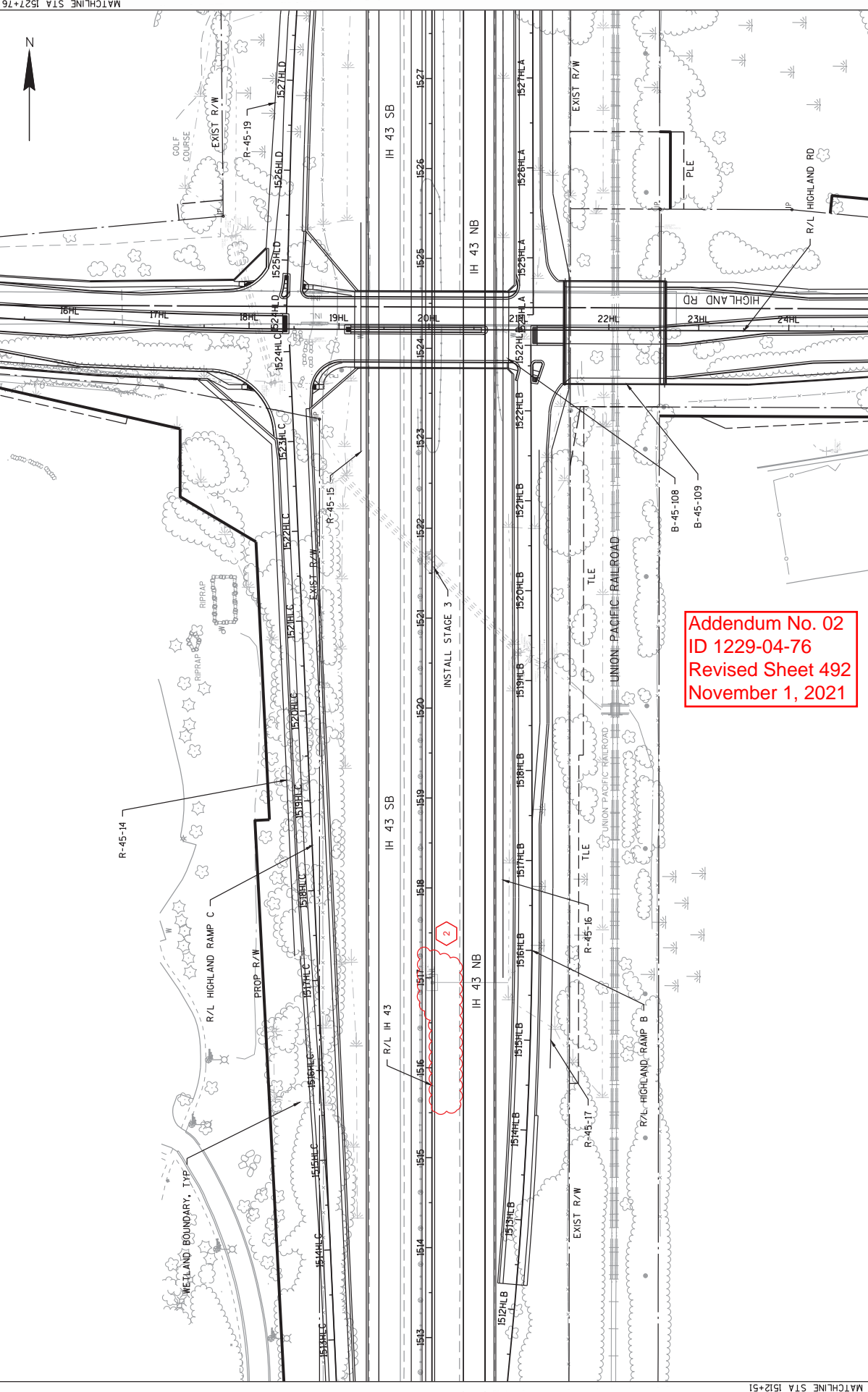
2

2

PROJECT NO: 1229-04-76 HWY: IH43 COUNTY: OZAUKEE PLOT DATE: 10/26/2021 8:58 AM PLOT BY: KARIMULLAH HABBUR	TEMPORARY DRAINAGE PLAN STAGES 1 & 2 PLOT NAME:	SHEET 486	E 1 IN=100 FT WISDOT/CADDIS SHEET 42
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MATCHLINE STA 1756+51

MATCHLINE STA 1771+76



Addendum No. 02
 ID 1229-04-76
 Revised Sheet 492
 November 1, 2021

MATCHLINE STA 1527+76

MATCHLINE STA 1512+51

PROJECT NO: 1229-04-76

HWY: IH43

COUNTY: OZAUKEE

TEMPORARY DRAINAGE PLAN STAGE 3

SHEET

492

E

FILE NAME: C:\CADD\B\PROJECTS\1229\1229-04-76\1229-04-76_S1.MXD

LAYOUT NAME: SPPROP-ML (4)

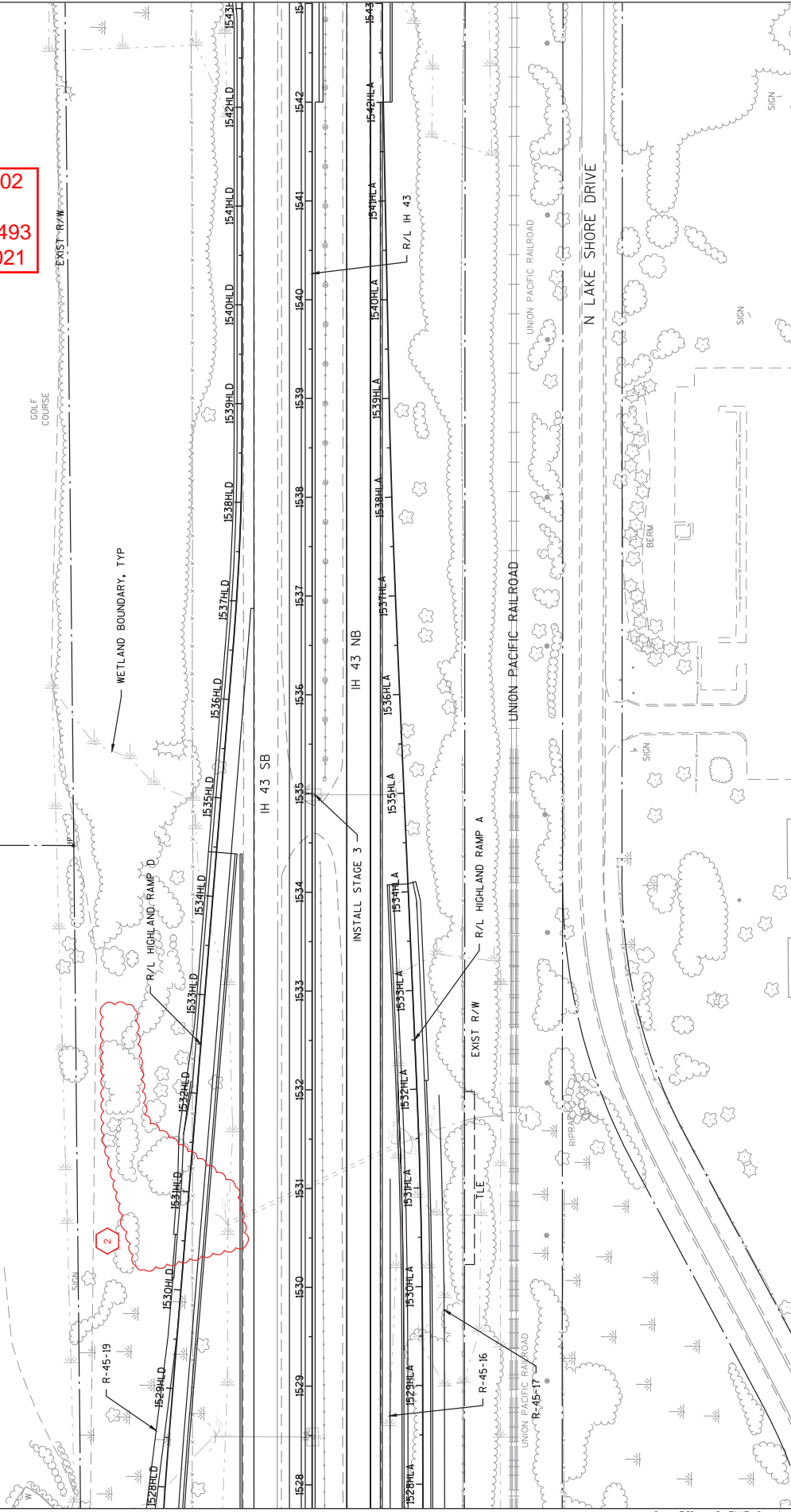
PLOT DATE: 10/26/2021 12:35 PM

PLOT BY: KARIMULLAH HABBIBUR

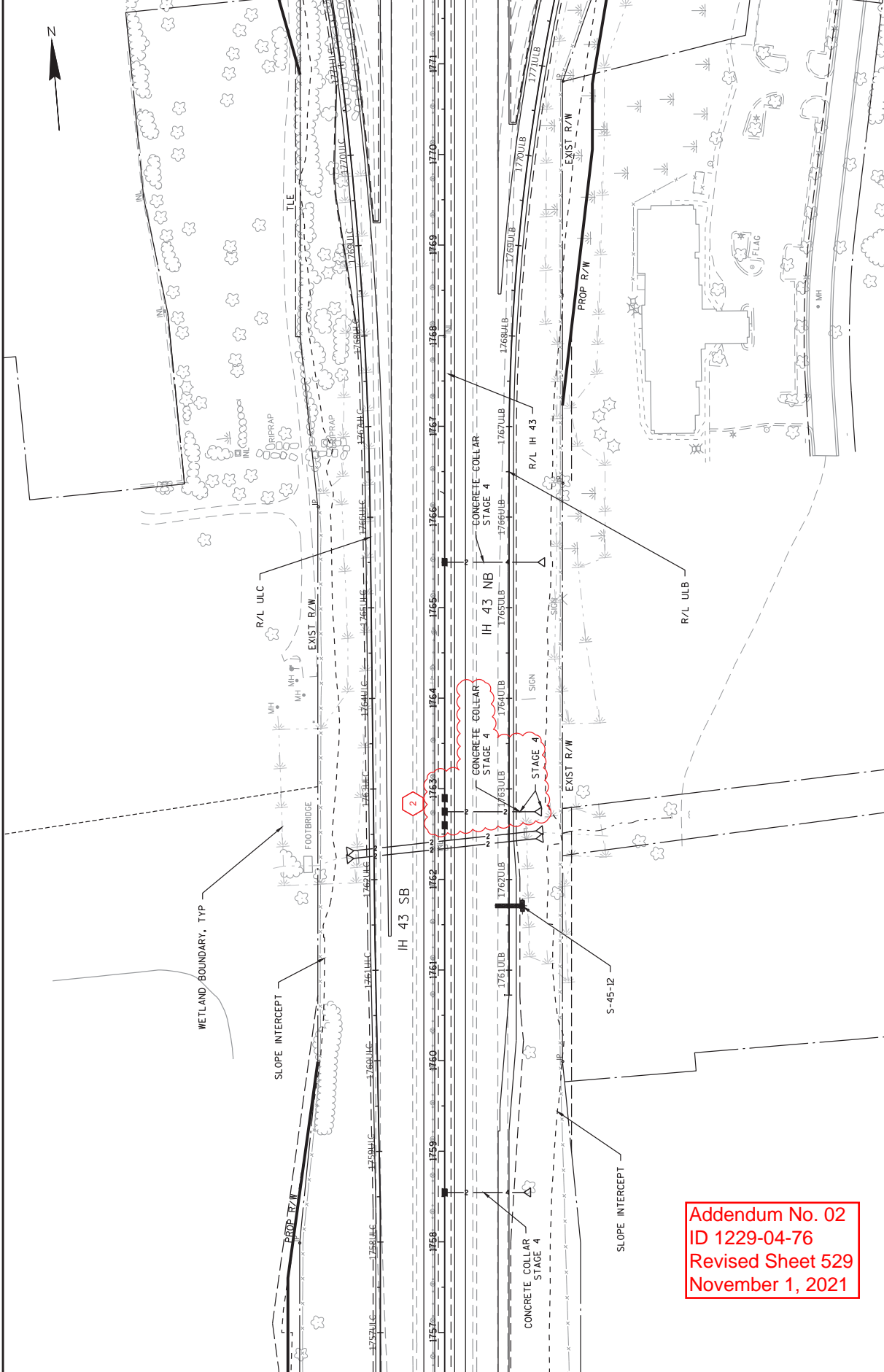
PLOT NAME: 1 IN=100 FT

WISDOT/CADD SHEET 42

Addendum No. 02
ID 1229-04-76
Revised Sheet 493
November 1, 2021

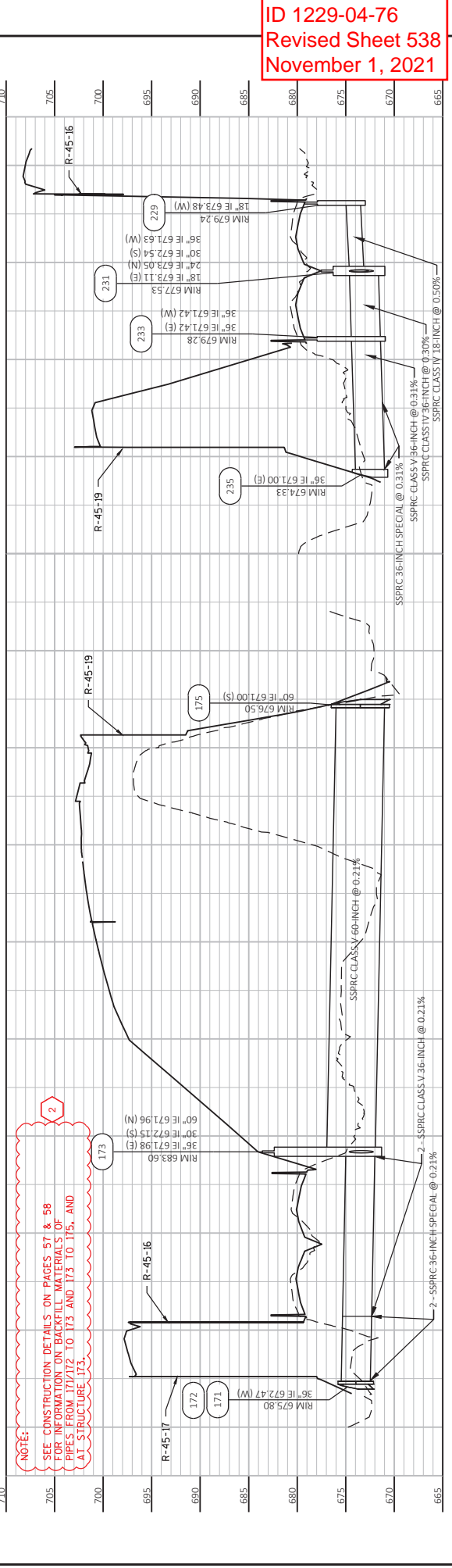
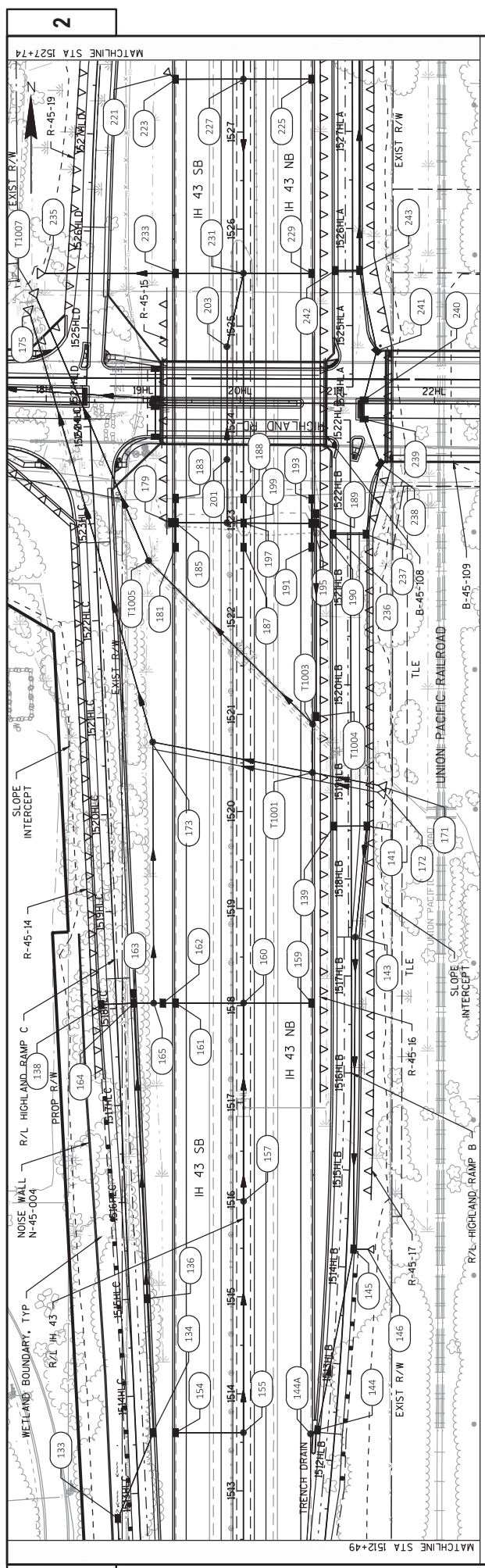


PROJECT NO: 1229-04-76	COUNTY: OZAUKEE	TEMPORARY DRAINAGE PLAN STAGE 3	SHEET 493
FILE NAME: C:\CADD\B\PW\WHITE_KARIMULLAH\HABIBUR\GREATLAKES\DO256250\DO2560B_S_ML.DWG	PLOT DATE: 10/26/2021 12:35 PM	PLOT BY: KARIMULLAH HABIBUR	PLOT SCALE: 1 IN=100 FT
LAYOUT NAME: SSPROP-ML-15			WISSOT/CADD/SHEET 42



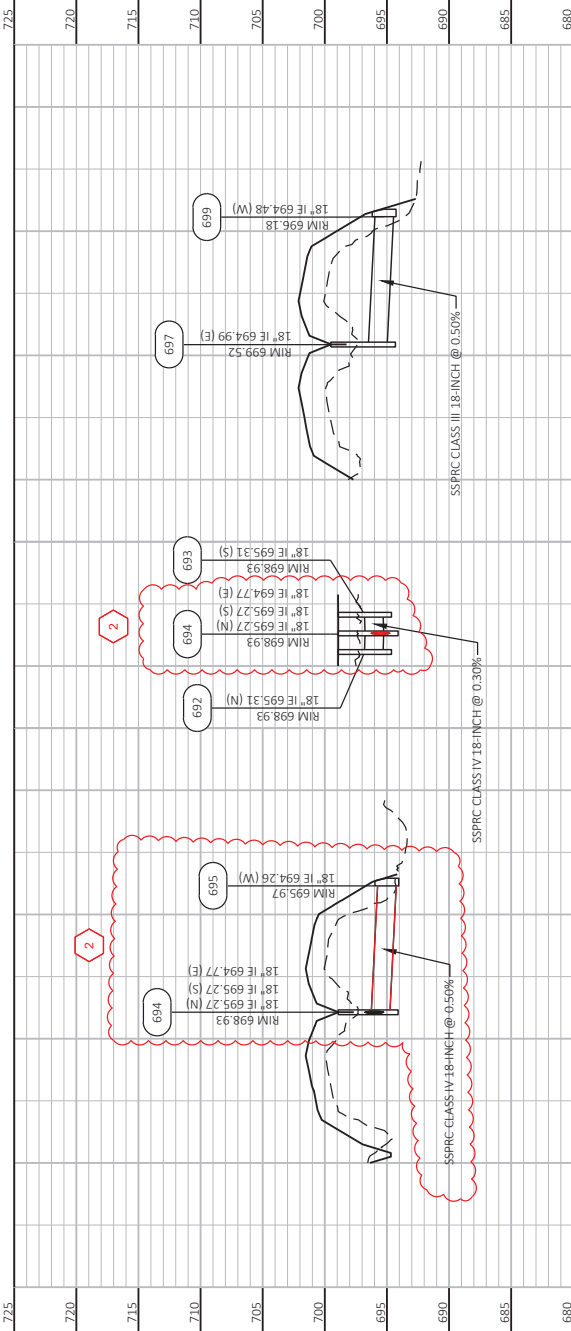
Addendum No. 02
ID 1229-04-76
Revised Sheet 529
November 1, 2021

PROJECT NO: 1229-04-76	COUNTY: OZAUKEE	PROPOSED DRAINAGE STAGING PLAN - IH 43	SHEET	529
FILE NAME: C:\CADD\B\PW\WHITE_KARIMULLAH\HABIBUR\GREATLAKES\DO256250\022500_SS_MLDWG	DATE: 10/26/2021 12:28 PM	PLOT BY: KARIMULLAH HABIBUR	PLOT SCALE: 1 IN=100 FT	WISDOT/CADDSS SHEET 42
HWY: IH 43				
LAYOUT NAME: SSPROP-ML_120				



NOTE:
 SEE CONSTRUCTION DETAILS ON PAGES 57 & 58
 FOR INFORMATION ON BACKFILL MATERIALS OF
 PIPES FROM 171/172 TO 173 AND 173 TO 175, AND
 AT STRUCTURE 173.

PROJECT NO: 1229-04-76	COUNTY: OZAUKEE	SHEET: 538
Hwy: IH 43	FLYBY: WALTER A. WOLAK II	WISDOT/CADDS SHEET 41
FILE NAME: C:\CAD\DWG\PA\WHITE_W\WORK\GREATLAKES\00256250\022901_SS.MXD	PLOT DATE: 10/21/2021 11:44 AM	PLOT SCALE: 1 IN=100 FT
LAYOUT NAME: SS-M3		



Addendum No. 02
 ID 1229-04-76
 Revised Sheet 572
 November 1, 2021



STH 161 (WAUWATOSA ROAD)

Addendum No. 02
ID 1229-04-76
New Sheet 1045A
November 1, 2021

FALLS ROAD

LAKEFIELD ROAD

CTH W
(PORT WASHINGTON ROAD)

I-43

CTH C (PIONEER ROAD)

HIGHLAND ROAD

STH 167/MEQUON RD

CTH W
(PORT WASHINGTON ROAD)

I-43

LEGEND

- TRAFFIC CONTROL SIGN
- XXXXXXXX - ROAD/RAMP CLOSURE
- DETAOUR TRAFFIC FLOW DIRECTION
- DETAOUR ROUTE

NOTES:

- SEE STANDARD DETAIL DRAWINGS FOR SIGN SPACING.
- COVER SIGNS WHEN NOT IN USE.
- PLACE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH STANDARD DETAIL DRAWING: "TRAFFIC CONTROL-TWO LANE FULL FREEMWAY CLOSURE".
- ALL EXISTING SIGN MESSAGES THAT CONFLICT WITH DETAOUR SIGNS SHALL BE COVERED BY THE CONTRACTOR

7	14	15	16	17	18	19	20

PROJECT NO: 1229-04-76
 COUNTY: OZAUKEE
 HWY: IH-43
 DETOUR - IH 43 NB - HIGHLAND RD BRIDGE WORK
 SHEET: 1045A
 PLOT SCALE: ####
 PLOT NAME: KARIMULAH HARBUR
 PLOT DATE: 10/19/2012 12:33 PM
 FILE NAME: C:\CADD\BYP\WHITE_KARIMULAH HARBUR\GREAT LAKES\DO256250\07018-DT.DWG
 LAYOUT NAME: 01
 WISDOT/CADD/SHEET 42



STH 181 (WAUWATOSA ROAD)

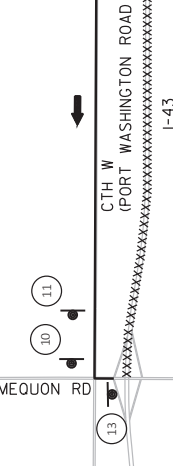
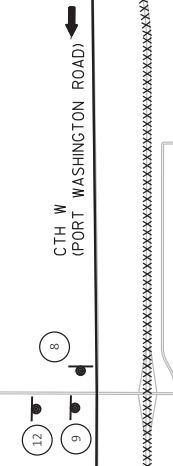
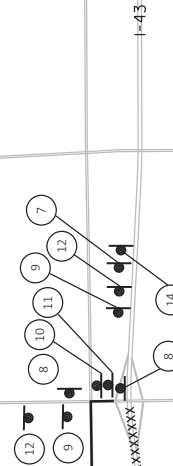
Addendum No. 02
ID 1229-04-76
New Sheet 1045B
November 1, 2021

FALLS ROAD

LAKEFIELD ROAD

CTH C (PIONEER ROAD)

HIGHLAND ROAD



LEGEND

- TRAFFIC CONTROL SIGN
- XXXXXXX - ROAD/RAMP CLOSURE
- DETOUR TRAFFIC FLOW DIRECTION
- DETOUR ROUTE

NOTES:

- SEE STANDARD DETAIL DRAWINGS FOR SIGN SPACING.
- COVER SIGNS WHEN NOT IN USE.
- PLACE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH STANDARD DETAIL DRAWING: "TRAFFIC CONTROL-TWO LANE FULL FREEWAY CLOSURE".
- ALL EXISTING SIGN MESSAGES THAT CONFLICT WITH DETOUR SIGNS SHALL BE COVERED BY THE CONTRACTOR

7								
	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R
	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R
	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R
	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R	21'x21" M005-2R



Addendum No. 02
ID 1229-04-76
New Sheet 1045C
November 1, 2021

STH 181 (WAUWATOSA ROAD)

STH 60 (WASHINGTON STREET)

FALLS ROAD

LAKEFIELD ROAD

CTH C (PIONEER ROAD)

HIGHLAND ROAD

CTH W
(PORT WASHINGTON ROAD)
I-43

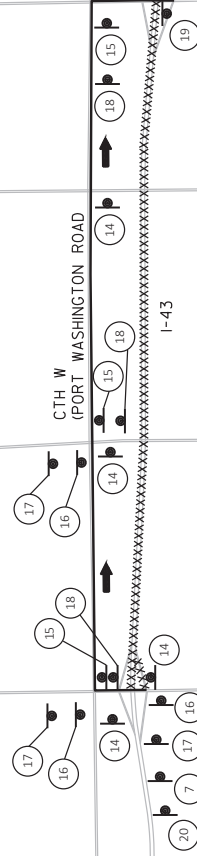
LEGEND

- TRAFFIC CONTROL SIGN
- XXXXXXX - ROAD/RAMP CLOSURE
- DIRECTION
- DIRECTION
- DIRECTION
- DIRECTION

NOTES:

- SEE STANDARD DETAIL DRAWINGS FOR SIGN SPACING.
- COVER SIGNS WHEN NOT IN USE.
- PLACE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH STANDARD DETAIL DRAWING: "TRAFFIC CONTROL, TWO LANE FULL FREEWAY CLOSURE".
- ALL EXISTING SIGN MESSAGES THAT CONFLICT WITH DETAOUR SIGNS SHALL BE COVERED BY THE CONTRACTOR

7		MA-B 24'X12"		MA-1 24'X12"		MA-1 24'X24"		MO-1 21'X11"
14		MA-B 24'X12"		MA-1 24'X12"		MA-1 24'X24"		MO-1 21'X11"
15		MA-B 24'X12"		MA-1 24'X12"		MA-1 24'X24"		MO-1 21'X11"
16		MA-B 24'X12"		MA-1 24'X12"		MA-1 24'X24"		MO-1 21'X11"
17		MA-B 24'X12"		MA-1 24'X12"		MA-1 24'X24"		MO-1 21'X11"
18		MA-B 24'X12"		MA-1 24'X12"		MA-1 24'X24"		MO-1 21'X11"
19		MA-B 24'X12"		MA-1 24'X12"		MA-1 24'X24"		MO-1 21'X11"
20		MA-B 24'X12"		MA-1 24'X12"		MA-1 24'X24"		MO-1 21'X11"



N

Addendum No. 02
ID 1229-04-76
New Sheet 1045D
November 1, 2021

STH 181 (WAUWATOSA ROAD)

STH 60 (WASHINGTON STREET)

FALLS ROAD

LAKEFIELD ROAD

CTH C (PIONEER ROAD)

HIGHLAND ROAD

CTH W
(PORT WASHINGTON ROAD)

CTH W
(PORT WASHINGTON ROAD)

I-43

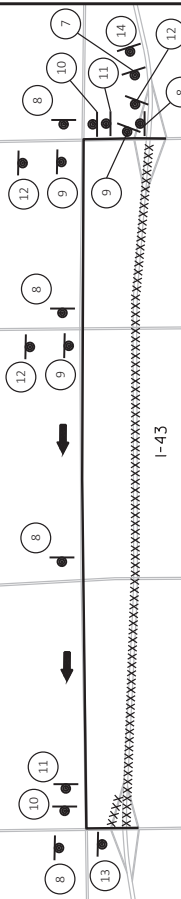
I-43

LEGEND

- TRAFFIC CONTROL SIGN
- XXXXXXX - ROAD/RAMP CLOSURE
- DETOUR TRAFFIC FLOW DIRECTION
- - DETOUR ROUTE

NOTES:

- SEE STANDARD DETAIL DRAWINGS FOR SIGN SPACING.
- COVER SIGNS WHEN NOT IN USE.
- PLACE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH STANDARD DETAIL DRAWING: "TRAFFIC CONTROL-TWO LANE FULL FREEWAY CLOSURE".
- ALL EXISTING SIGN MESSAGES THAT CONFLICT WITH DETOUR SIGNS SHALL BE COVERED BY THE CONTRACTOR



PROJECT NO: 1229-04-76
 COUNTY: OZAUKEE
 SHEET: 1045D
 HWY: IH-43
 DETOUR - IH 43 SB - FALLS RD BRIDGE WORK
 PLOT BY: KARIMULAH HABBUR
 PLOT DATE: 10/19/2021 12:48 PM
 PLOT SCALE: ####



Addendum No. 02
ID 1229-04-76
New Sheet 1045E
November 1, 2021

STH 181 (WAUWATOSA ROAD)

STH 60 (WASHINGTON STREET)

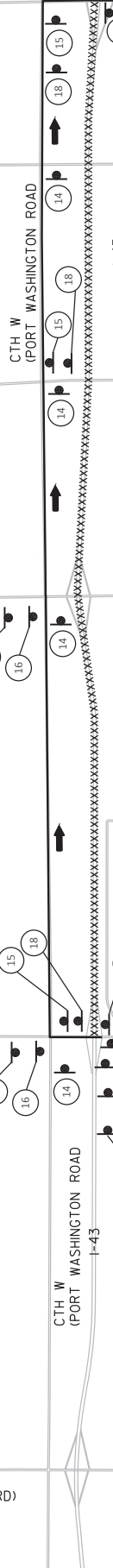
FALLS ROAD

LAKEFIELD ROAD

CTH C (PIONEER ROAD)

HIGHLAND ROAD

STH 167
(MEQUON RD)



LEGEND

- TRAFFIC CONTROL SIGN
- XXXXXXX - ROAD/RAMP CLOSURE
- DETOUR TRAFFIC FLOW DIRECTION
- DETOUR ROUTE

NOTES:

- SEE STANDARD DETAIL DRAWINGS FOR SIGN SPACING.
- COVER SIGNS WHEN NOT IN USE.
- PLACE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH STANDARD DETAIL DRAWING "TRAFFIC CONTROL-TWO LANE FULL-FREEWAY CLOSURE".
- ALL EXISTING SIGN MESSAGES THAT CONFLICT WITH DETOUR SIGNS SHALL BE COVERED BY THE CONTRACTOR

7														
	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"
	M4B-7	M4B-8	M4B-9	M4B-10	M4B-11	M4B-12	M4B-13	M4B-14	M4B-15	M4B-16	M4B-17	M4B-18	M4B-19	M4B-20
	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"	24'X12"
	M3-1	M3-1	M3-1	M3-1	M3-1	M3-1	M3-1	M3-1	M3-1	M3-1	M3-1	M3-1	M3-1	M3-1
	24'X24"	24'X24"	24'X24"	24'X24"	24'X24"	24'X24"	24'X24"	24'X24"	24'X24"	24'X24"	24'X24"	24'X24"	24'X24"	24'X24"
	M1-1	M1-1	M1-1	M1-1	M1-1	M1-1	M1-1	M1-1	M1-1	M1-1	M1-1	M1-1	M1-1	M1-1
	21'X21"	21'X21"	21'X21"	21'X21"	21'X21"	21'X21"	21'X21"	21'X21"	21'X21"	21'X21"	21'X21"	21'X21"	21'X21"	21'X21"
	M05-2R	M05-2R	M05-2R	M05-2R	M05-2R	M05-2R	M05-2R	M05-2R	M05-2R	M05-2R	M05-2R	M05-2R	M05-2R	M05-2R

PROJECT NO: 1229-04-76
 COUNTY: OZAUKEE
 DETOUR - IH-43 NB - CTH C BRIDGE WORK
 SHEET 1045E
 FILE NAME: C:\CADD\BYP\WHITE_KARIMULAH\HABIBURG\GREATLAKES\DO256250\0702-DT.DWG
 LAYOUT NAME: 01
 PLOT DATE: 10/19/2021 2:46 PM
 PLOT BY: KARIMULAH HABIBUR
 PLOT NAME: DETOUR - IH-43 NB - CTH C BRIDGE WORK
 PLOT SCALE: ####
 WISDOT/CADD/SHEET 42



Addendum No. 02
ID 1229-04-76
New Sheet 1045F
November 1, 2021

STH 181 (WAUWATOSA ROAD)

STH 60 (WASHINGTON STREET)

FALLS ROAD

LAKEFIELD ROAD

CTH C (PIONEER ROAD)

HIGHLAND ROAD

CTH W (PORT WASHINGTON ROAD)
I-43

STH 167 (MEQUON RD)

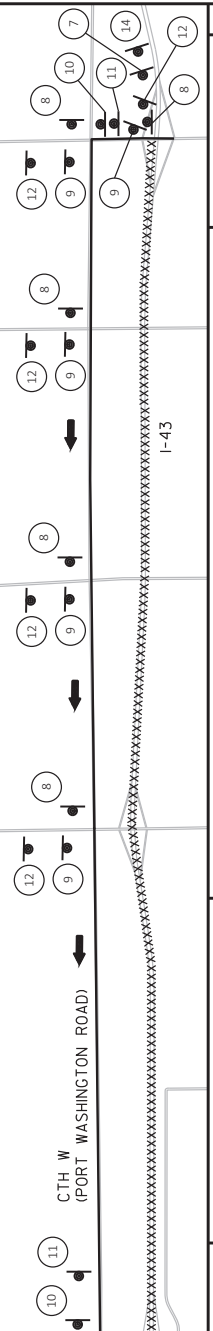
LEGEND

- TRAFFIC CONTROL SIGN
- XXXXXXX - ROAD/RAMP CLOSURE
- DETOUR TRAFFIC FLOW DIRECTION
- DETOUR ROUTE

NOTES:

- SEE STANDARD DETAIL DRAWINGS FOR SIGN SPACING.
- COVER SIGNS WHEN NOT IN USE.
- PLACE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH STANDARD DETAIL DRAWING "TRAFFIC CONTROL-TWO LANE FULL FREEWAY CLOSURE".
- ALL EXISTING SIGN MESSAGES THAT CONFLICT WITH DETOUR SIGNS SHALL BE COVERED BY THE CONTRACTOR

7								
	DETOUR M-8 M-3 M-1 28'X12"	DETOUR M-8 M-3 M-1 28'X12"	DETOUR M-8 M-3 M-1 28'X12"	DETOUR M-8 M-3 M-1 28'X12"	DETOUR M-8 M-3 M-1 28'X12"	DETOUR M-8 M-3 M-1 28'X12"	END DETOUR M-8 M-3 M-1 28'X12"	END DETOUR M-8 M-3 M-1 28'X12"
	SOUTH M-3 M-1 28'X12"	SOUTH M-3 M-1 28'X12"	SOUTH M-3 M-1 28'X12"	SOUTH M-3 M-1 28'X12"	SOUTH M-3 M-1 28'X12"	SOUTH M-3 M-1 28'X12"	SOUTH M-3 M-1 28'X12"	SOUTH M-3 M-1 28'X12"
	43 M-1 M-1 28'X24"	43 M-1 M-1 28'X24"	43 M-1 M-1 28'X24"	43 M-1 M-1 28'X24"	43 M-1 M-1 28'X24"	43 M-1 M-1 28'X24"	43 M-1 M-1 28'X24"	43 M-1 M-1 28'X24"
	M-1 M-1 21'X11"	M-1 M-1 21'X11"	M-1 M-1 21'X11"	M-1 M-1 21'X11"	M-1 M-1 21'X11"	M-1 M-1 21'X11"	M-1 M-1 21'X11"	M-1 M-1 21'X11"



REMOVING INLETS

STAGE	ROADWAY	STATION	OFFSET	INLETS EACH
2	IH 43	1558+99	0' RT	1
		1566+99	0' RT	1
		1572+99	0' LT	1
		1581+99	0' RT	1
		1586+99	0' RT	1
		1596+06	1' LT	1
		1598+05	0' RT	1
		1603+98	0' RT	1
		1611+99	0' LT	1
		1624+59	0' RT	1
		1643+98	1' RT	1
		1647+98	0' RT	1
		1652+98	0' RT	1
		1677+98	2' RT	1
		1685+83	31' RT	1
		1695+01	0' RT	1
		1698+98	1' LT	1
		1714+99	1' RT	1
		1734+00	0' RT	1
		1762+35	2' RT	1
		1766+00	1' RT	1

REMOVING INLETS

STAGE	ROADWAY	STATION	OFFSET	INLETS EACH
3	IH 43	1528+48	0' RT	1
		1558+98	4' LT	1
		1567+01	5' LT	1
		1573+01	4' LT	1
		1582+02	8' LT	1
		1586+99	9' LT	1
		1596+06	5' LT	1
		1598+05	3' LT	1
		1604+00	5' LT	1
		1612+01	6' LT	1
		1624+58	6' LT	1
		1628+55	4' LT	1
		1643+98	10' LT	1
		1647+98	12' LT	1
		1652+98	10' LT	1
		1658+98	3' LT	1
		1663+54	4' LT	1
		1671+14	6' LT	1
		1677+98	4' LT	1
		1685+81	67' LT	1
		1695+01	19' LT	1
		1698+99	11' LT	1
		1705+09	0' RT	1
		1714+99	2' LT	1
		1718+46	0' LT	1
		1733+99	1' LT	1
		1747+54	4' LT	1
		1762+75	1' LT	1
		1767+99	6' LT	1
		1776+08	1' LT	1
		262PR+05	21' RT	1
		262PR+06	20' LT	1
		SUBTOTAL		32

REMOVING INLETS

STAGE	ROADWAY	STATION	OFFSET	INLETS EACH
4	IH 43	1483+00	1' RT	1
		1488+99	0' RT	1
		1507+99	0' LT	1
		1516+95	0' RT	1
		1534+99	0' RT	1
		1550+99	0' LT	1
		1551+14	41' RT	1
		1559+15	44' RT	1
		1572+76	43' RT	1
		1586+99	44' RT	1
		1603+83	43' RT	1
		1611+84	44' RT	1
		1624+63	44' RT	1
		1628+47	1' RT	1
		1628+53	41' RT	1
		1634+07	0' RT	1
		1634+08	41' RT	1
		1635+97	42' RT	1
		1635+97	0' LT	1
		1643+98	42' RT	1
		1647+98	44' RT	1
		1658+99	43' RT	1
		1659+01	0' RT	1
		1663+44	0' LT	1
		1663+47	43' RT	1
		1671+02	0' LT	1
		1671+14	45' RT	1
		1695+00	43' RT	1
		1714+99	42' RT	1
		1718+30	42' RT	1
		1734+15	42' RT	1
		1736+25	41' RT	1
		1736+35	1' RT	1
		1747+69	1' RT	1
		1747+69	41' RT	1
		1762+40	42' RT	1
		1767+99	44' RT	1
		1775+98	41' RT	1
		1775+99	0' LT	1
		SUBTOTAL		39
		TOTAL		100

Addendum No. 02
ID 1229-04-76
Revised Sheet 1099
November 1, 2021

PROJECT NO: 1229-04-76

HWY: IH 43

COUNTY: OZAUKEE

MISCELLANEOUS QUANTITIES

ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED

Estimate of Quantities 022591_es_MQ.dwg

Plot Name: 022591_es_MQ1

Plot Date: 10/25/2021 2:37:56 PM

Plot By: BRAUN C. ADAMS

Sheet: 1099

Addendum No. 02
ID 1229-04-76
New Sheet 1100A
November 1, 2021

STORM SEWER PIPE REMOVALS FOR TEMPORARY INLETS

204.0245.0002* 204.0245.0003* 204.0245.0004* 204.0245.0006 204.0245.0005*

STAGE	ROADWAY	STATION	OFFSET	REMOVING 15-INCH STORM SEWER		REMOVING 18-INCH STORM SEWER		REMOVING 24-INCH STORM SEWER		REMOVING 30-INCH STORM SEWER		REMOVING 36-INCH STORM SEWER		
				LF	RT	LF	RT	LF	RT	LF	RT	LF	RT	
3	IH 43	1488+99	0' RT	2	---	---	---	---	---	---	---	---	---	
		1507+96	0' LT	---	2	---	---	---	---	---	---	---	---	
		1521+56	0' RT	---	---	---	---	---	---	---	---	---	8	
		1534+99	0' RT	2	---	---	---	---	---	---	---	---	---	
		1550+99	0' RT	---	2	---	---	---	---	---	---	---	---	
		1558+99	0' RT	---	2	---	---	---	---	---	---	---	---	
		1572+99	0' RT	---	---	---	---	---	---	8	---	---	---	
		1603+99	0' RT	---	2	---	---	---	---	---	---	---	---	
		1611+99	0' RT	---	2	---	---	---	---	---	---	---	---	
		1624+59	0' RT	---	---	---	---	---	---	---	---	---	8	
		1628+47	0' RT	---	---	---	---	---	---	---	---	---	8	
		1634+07	0' RT	---	---	---	8	---	---	---	---	---	---	
		1635+97	0' RT	---	2	---	---	---	---	---	---	---	---	
		1643+97	0' RT	---	---	---	8	---	---	---	---	---	---	
		1647+98	0' RT	---	2	---	---	---	---	---	---	---	---	
		1659+01	0' RT	---	---	---	8	---	---	---	---	---	---	
		1663+45	0' RT	---	---	---	8	---	---	---	---	---	---	
		1671+02	0' RT	---	---	---	8	---	---	---	---	---	---	
		1695+01	0' RT	---	2	---	---	---	---	---	---	---	---	
		1714+99	0' RT	---	2	---	---	---	---	---	---	---	---	
		1718+44	0' RT	---	8	---	---	---	---	---	---	---	---	
		1733+99	0' RT	---	2	---	---	---	---	---	---	---	---	
		1736+34	0' RT	---	---	---	8	---	---	---	---	---	---	
		1747+69	0' RT	---	---	---	8	---	---	---	---	---	---	
		1762+75	1' LT	---	2	---	---	---	---	---	---	---	---	
		1767+99	0' RT	---	---	---	2	---	---	---	---	---	---	
		1776+00	93' LT	---	---	---	8	---	---	---	---	---	---	
				4	32	48	24	24	24	24	24	24	24	
				4	144	88	56	72	72	72	72	72	72	
SUBTOTALS														
TOTALS														

STORM SEWER PIPE REMOVALS FOR TEMPORARY INLETS

204.0245.0002* 204.0245.0003* 204.0245.0004* 204.0245.0006 204.0245.0005*

STAGE	ROADWAY	STATION	OFFSET	REMOVING 15-INCH STORM SEWER		REMOVING 18-INCH STORM SEWER		REMOVING 24-INCH STORM SEWER		REMOVING 30-INCH STORM SEWER		REMOVING 36-INCH STORM SEWER		
				LF	RT	LF	RT	LF	RT	LF	RT			
2	IH 43	1474+93	1' RT	---	---	---	---	---	---	---	---	---	8	
		1551+14	41' RT	---	8	---	---	---	---	---	---	---	---	
		1559+15	44' RT	---	---	---	---	---	---	---	---	---	---	
		1572+76	43' RT	---	---	---	---	---	---	---	---	---	---	
		1573+01	4' LT	---	---	---	---	---	---	---	---	---	---	
		1586+99	9' LT	---	---	---	---	---	---	---	---	---	8	
		1586+99	44' RT	---	---	---	---	---	---	---	---	---	8	
		1603+93	43' RT	---	8	---	---	---	---	---	---	---	---	
		1611+84	44' RT	---	8	---	---	---	---	---	---	---	---	
		1624+58	6' LT	---	---	---	---	---	---	---	---	---	8	
		1624+53	44' RT	---	---	---	---	---	---	---	---	---	8	
		1628+53	41' RT	---	---	---	---	---	---	---	---	---	8	
		1634+08	41' RT	---	---	---	8	---	---	---	---	---	---	
		1635+97	42' RT	---	8	---	---	---	---	---	---	---	---	
		1643+98	10' LT	---	---	---	8	---	---	---	---	---	---	
		1643+98	42' RT	---	---	---	8	---	---	---	---	---	---	
		1647+98	44' RT	---	8	---	---	---	---	---	---	---	---	
		1658+99	43' RT	---	8	---	---	---	---	---	---	---	---	
		1663+47	43' RT	---	---	---	8	---	---	---	---	---	---	
		1671+14	45' RT	---	8	---	---	---	---	---	---	---	---	
		1695+00	43' RT	---	8	---	---	---	---	---	---	---	---	
		1714+99	42' RT	---	8	---	---	---	---	---	---	---	---	
		1718+30	42' RT	---	8	---	---	---	---	---	---	---	---	
		1718+46	0' LT	---	---	---	---	---	---	---	---	---	---	
		1734+15	42' RT	---	8	---	---	---	---	---	---	---	---	
		1736+25	41' RT	---	---	---	8	---	---	---	---	---	---	
		1747+69	41' RT	---	---	---	8	---	---	---	---	---	---	
		1767+99	44' RT	---	8	---	---	---	---	---	---	---	---	
		1775+98	41' RT	---	---	---	8	---	---	---	---	---	---	
				---	112	40	32	48	48	48	48	48	48	
SUBTOTALS														
TOTALS														

ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED

SHEET: 1100A

E

MISCELLANEOUS QUANTITIES

PROJECT NO: 1229-04-76

HWY: IH 43

COUNTY: OZAUKEE

Plot Name: 02291_ss_MG3

Plot Date: 10/25/2021 4:01:12 PM Plot Scale: 1:1 Plot By: BRAY C. ADAMS

ABANDONING SEWER / BACKFILL CONTROLLED LOW STRENGTH

204.0291.S		209.0200.S							
STAGE	ROADWAY	STATION	OFFSET	TO	STATION	OFFSET	PPE D	ABANDONING	BACKFILL
4	IH 43						INCH	SEWER	CONTROLLED
								CY	LOW STRENGTH
									CY
		1488+99	0' RT	-	1488+99	49' RT	18	--	3
		1507+98	0' LT	-	1507+98	49' RT	18	--	3
		1516+94	0' RT	-	1516+94	51' RT	18	--	3
		1521+04	49' RT	-	1522+54	102' LT	36	--	56
		1521+11	49' RT	-	1522+58	98' LT	36	--	54
		1530+54	163' LT	-	1530+63	86' LT	36	--	20
		1530+63	86' LT	-	1531+44	87' RT	36	8	42
		1534+98	0' RT	-	1534+98	50' RT	15	--	2
		1544+71	108' LT	-	1544+71	89' RT	30	6	30
		1544+75	108' LT	-	1544+76	90' RT	30	6	30
		1550+99	0' LT	-	1551+15	47' RT	18	--	3
		1558+99	0' RT	-	1559+16	47' RT	18	--	3
		1572+52	89' RT	-	1573+38	97' LT	30	8	29
		1572+56	91' RT	-	1573+42	95' LT	30	8	29
		1586+98	83' LT	-	1586+98	87' RT	36	8	38
		1597+06	92' LT	-	1597+03	90' RT	36	9	38
		1597+11	91' LT	-	1597+08	90' RT	36	9	38
		1603+98	0' RT	-	1603+81	49' RT	18	--	3
		1611+98	1' RT	-	1611+82	47' RT	18	--	3
		1624+47	103' LT	-	1624+69	106' RT	36	17	38
		1628+35	84' LT	-	1628+59	93' RT	36	8	39
		1635+97	0' LT	-	1635+97	49' RT	18	--	3
		1643+97	88' LT	-	1643+97	95' RT	24	--	21
		1645+70	85' LT	-	1645+70	90' RT	36	--	46
		1645+75	85' LT	-	1645+75	90' RT	36	--	46
		1647+98	0' RT	-	1647+97	53' RT	18	--	3
		1659+04	106' LT	-	1658+96	84' RT	24	5	17
		1663+38	108' LT	-	1663+48	85' RT	24	5	17
		1670+98	111' LT	-	1671+04	84' RT	24	5	17
		1695+01	0' RT	-	1694+99	49' RT	18	--	3
		1714+98	1' RT	-	1714+99	47' RT	18	--	3
		1718+78	90' LT	-	1718+12	89' RT	18	2	10
		1733+99	0' RT	-	1734+17	47' RT	18	--	3
		1736+46	91' LT	-	1736+15	89' RT	30	6	27
		1736+51	90' LT	-	1736+20	89' RT	30	6	27
		1747+66	104' LT	-	1747+67	94' RT	30	10	26
		1747+71	105' LT	-	1747+72	94' RT	30	10	27
		1767+99	1' RT	-	1767+98	54' RT	18	--	3
		1775+99	86' LT	-	1775+99	95' RT	24	--	21
TOTALS									824

NOTES: ABANDONING PIPES WITHIN THE FOOTPRINT OF THE PROPOSED ROADWAY WILL BE DONE WITH BACKFILL CONTROLLED LOW STRENGTH. ABANDONING PIPES OUTSIDE THE FOOTPRINT OF THE PROPOSED ROADWAY WILL BE DONE WITH ABANDONING SEWER.

2

BACKFILL CONTROLLED LOW STRENGTH

209.0200.S						
STAGE	ROADWAY	STRUCTURE TO	STRUCTURE DIAMETER	PPE	LENGTH	LOW STRENGTH
					(LF)	CY
2	IH 43	171 & 172	173	2 - 36"	65	39
		173	175	1 - 60"	458	89*
	SUBTOTAL					384
3	IH 43	171 & 172	173	2 - 36"	98	58
	SUBTOTAL					58
4	IH 43	171 & 172	173	2 - 36"	73	43
	SUBTOTAL					43
	TOTAL					613

NOTES: BACKFILL CONTROLLED LOW STRENGTH IN THIS TABLE IS FOR PIPE TRENCH AND STRUCTURE BACKFILL. PER DETAIL ON PAGE 58. * ESTIMATED QUANTITY AT CONTRACTOR-DESIGNED STRUCTURE

2

Addendum No. 02
ID 1229-04-76
Revised Sheet 1102
November 1, 2021

ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED

MISCELLANEOUS QUANTITIES

COUNTY: OZAUKEE

HWY: IH 43

PROJECT NO: 1229-04-76

Plot Name: 022591_ss_M05
Plot Scale: 1:1
Plot Date: 10/25/2021 2:37:58 PM
Plot By: BRAY C. ADAMS

Estimate of Quantities 022591_ss_M05.dwg

REMOVING DRAINTILE / UNDERDRAIN

204.9090.S.0002	204.9090.S.0002	REMOVING DRAINTILE	LF	2,000
		REMOVING UNDERDRAIN	LF	65,000
PROJECT 1229-04-76 TOTAL				67,000

2

REMOVING RIPRAP

204.9035.S.0001	204.9035.S.0001	REMOVING RIPRAP	CY	81
1733+00	LT	IH 43		81
PROJECT 1229-04-76 TOTAL				81

NOTE:
ASSUME 1.5' DEPTH

TEMPORARY EMERGENCY PULLOUTS

205.3000.S	205.3000.S	TEMPORARY EMERGENCY PULLOUTS	EACH	4
STAGE 1				
1492+00	RT	IH 43 NB		1
1575+50	RT	IH 43 NB		1
1693+00	RT	IH 43 NB		1
1750+50	RT	IH 43 NB		1
STAGE 1 SUBTOTAL				4
STAGE 2				
1724+00	LT	IH 43 SB		1
STAGE 2 SUBTOTAL				1
STAGE 3				
1724+00	LT	IH 43 NB		1
1724+00	LT	IH 43 SB		1
STAGE 3 SUBTOTAL				2
PROJECT 1229-04-76 TOTAL				7

NOTE:
STAGE INDICATES WHEN PULLOUTS ARE CONSTRUCTED.
PULLOUTS USED IN SUBSEQUENT STAGES.

EMERGENCY PAVEMENT REPAIR ITEMS

209.0200.S*	305.0120*	390.0203	450.1100.S	465.0125*	495.1000.S	690.0250*	SPV.0060.0160	SPV.0195.0001	SPV.0195.0002
BACKFILL CONTROLLED LOW STRENGTH	BASE AGGREGATE DENSE 1 1/4-INCH	BASE PATCHING ASPHALTIC	ASPHALTIC MIXTURE FOR EXTREME CONDITIONS	ASPHALTIC SURFACE TEMPORARY	COLD PATCH	SAWING CONCRETE	MOBILIZATIONS EMERGENCY PAVEMENT REPAIR	HMA LONGITUDINAL JOINT REPAIR	HMA TRANSVERSE JOINT REPAIR
LOCATION	TON	SY	TON	TON	TON	LF	EACH	TON	TON
PROJECT WIDE	700	15,000	400	700	100	5,000	10	5,000	1,000
PROJECT 1229-04-76 TOTALS	700	15,000	400	700	100	5,000	10	5,000	1,000

*NOTE: ADDITIONAL QUANTITIES SHOWN ELSEWHERE

2

Addendum No. 02
ID 1229-04-76
Revised Sheet 1104
November 1, 2021

PROJECT NO: 1229-04-76

HWY: IH 43

COUNTY: OZAUKEE

MISCELLANEOUS QUANTITIES

SHEET: 1104

E

ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED

Addendum No. 02
ID 1229-04-76
Revised Sheet 1105
November 1, 2021

EARTHWORK SUMMARY

Division	From/To Station	Location	Excavation Common (CY)	205.0100 Excavation Common (CY)	SPV 0035.0001 Roadway Embankment (CY) (3) (4)	310.0110 * Breaker Run (Ton) (2)
Stage 1	1470+00 TO 1784+50	IH 43 NB TEMP WIDENING	Cut (1) 33,232	EBS Excavation (2) 0	Fill (3) 2,767	(2) 0
Stage 1 Subtotals			33,232	0	2,767	0
Stage 2	1470+27 TO 1536+94	IH 43 SOUTH TEMP CROSSOVER	1,550	0	319	0
	1542+00 TO 1660+00	IH 43 NB	1,308	0	1,538	0
	1575+00 TO 1715+00	IH 43 NB	1,778	4,405	33,605	7,828
	1660+00 TO 1715+00	IH 43 NB	2,096	0	18,387	0
	1715+00 TO 1785+04	IH 43 NB	7,553	0	1,972	0
	779+04 TO 798+02	IH 43 NORTH TEMP CROSSOVER	1,955	0	471	0
	9+24 TO 33+00	HIGHLAND ROAD	2,873	3,895	48,385	7,010
	35+25 TO 45+38	FALLS ROAD	919	0	6,566	0
	1524+95 TO 1539+50	RAMP HLA	1,572	5,116	13,769	9,209
	1510+43 TO 1521+28	RAMP HLB	309	7,048	9,904	12,686
	1505+76 TO 1523+03	RAMP HLC	400	4,140	25,050	7,453
	1525+33 TO 1536+94	RAMP HLD	4,989	4,145	18,817	7,461
		UNDISTRIBUTED	0	3,951	0	7,111
Stage 2 Subtotals			27,302	32,689	178,781	58,658
Stage 3	1481+00 TO 1660+00	IH 43 SB	35,530	1,093	15,934	1,967
	1575+00 TO 1660+00	IH 43 SB	15,930	14,776	48,904	26,597
	1660+00 TO 1715+00	IH 43 SB	14,438	6,731	30,868	12,116
	1715+00 TO 1785+04	IH 43 SB	41,265	0	4,859	0
	253+53 TO 271+45	CTHC	2,459	0	10,851	0
	1611+55 TO 1633+22	RAMP PRC	6,355	0	27,224	0
	1633+36 TO 1645+94	RAMP PRD	1,701	0	28,745	0
	1781+37 TO 1778+59	RAMP ULC	2,597	0	4,322	0
		UNDISTRIBUTED	0	11,852	0	21,333
Stage 3 Subtotals			120,285	34,451	171,408	62,013
Stage 4	1481+00 TO 1575+00	IH 43 NB	37,824	3,904	17,804	7,027
	1575+00 TO 1660+00	IH 43 NB	17,991	8,412	38,810	15,142
	1660+00 TO 1715+00	IH 43 NB	19,219	0	25,290	0
	1715+00 TO 1785+04	IH 43 NB	49,327	1,469	7,181	2,644
	43+40 TO 46+50	LAKEFIELD ROAD	1,515	0	14	0
	1633+53 TO 1650+09	RAMP PRA	2,078	0	24,235	0
	1611+6+71 TO 1632+74	RAMP PRB	4,977	0	17,446	0
	1785+45 TO 1778+07	RAMP ULB	2,458	0	4,353	0
		SOUTH CROSSOVER	4,750	0	0	0
		NORTH CROSSOVER	3,980	0	0	0
		NB OFF at HIGHLAND	1,860	0	0	0
		SB ON at HIGHLAND	2,030	0	0	0
		SB OFF at HIGHLAND	1,430	0	0	0
		SB ON at CTH C	2,145	0	0	0
		SB OFF at CTH C	1,430	0	0	0
		SB ON at STH 60	2,145	0	0	0
		NB OFF at STH 60	1,825	0	0	0
		IH 43 NB	2,660	0	0	0
		SPEED ENFORCEMENT PAD	40	0	0	0
		UNDISTRIBUTED	0	7,901	0	14,222
Stage 4 Subtotals			159,684	21,686	135,133	39,035
Grand Totals		Total Excavation Common	340,482	88,836	488,090	159,905
			429,318			

NOTES:

- 1) Cut Volume Includes Concrete and Asphaltic Surface Material.
- 2) EBS Excavation to be backfilled with Breaker Run. All EBS material is assumed to be wasted offsite.
- 3) Roadway Embankment = Uexpanded Fill
- 4) All existing pavements shall be removed per modified standard spec 205.3.2.5. Embankment volume is based on the existing surface and does not account for removal of existing concrete and asphaltic pavements.
- 5) The storm sewer and culvert excavation is not included in this table and should be considered additional waste and is considered incidental to the storm sewer and culvert items.

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN THE PLAN

ALL ITEMS CATEGORY 1000
UNLES OTHERWISE NOTED

PROJECT NO: 1229-04-76

COUNTY: OZAUKEE

HWY: IH 43

Estimate of Quantities

Plot By: JOHNATHAN D. OLSON
Plot Name: 022594_MG1
Plot Scale: 1:1

SHEET: 1105

E

CONCRETE PAVEMENT

STATION	TO	STATION	OFFSET	LOCATION	CONCRETE PAVEMENT 8-INCH SPECIAL SY	SPV.0180.0003 CONCRETE PAVEMENT 10 1/2-INCH SPECIAL SY	SPV.0180.0004 CONCRETE PAVEMENT 10 1/2-INCH SPECIAL SY
STAGE 2							
1525HLA+55	-	1539HLA+50		HIGHLAND RD RAMP A	4,429	--	--
1510HLB+45	-	1521HLB+56		HIGHLAND RD RAMP B	4,355	--	--
1505HLC+76	-	1522HLC+81		HIGHLAND RD RAMP C	6,351	--	--
1526HLD+04	-	1536HLD+94		HIGHLAND RD RAMP D	3,711	--	--
1488+00	-	1523+50	RT	IH 43	--	9,467	
1523+50	-	1632+00	RT	IH 43	--	26,269	
1632+00	-	1685+64	RT	IH 43	--	12,284	
1687+19	-	1739+00	RT	IH 43	--	12,538	
1739+00	-	1785+00	RT	IH 43	--	12,102	
STAGE 2 SUBTOTAL					18,846		72,660

STATION	TO	STATION	OFFSET	LOCATION	CONCRETE PAVEMENT 8-INCH SPECIAL SY	SPV.0180.0003 CONCRETE PAVEMENT 10 1/2-INCH SPECIAL SY	SPV.0180.0004 CONCRETE PAVEMENT 10 1/2-INCH SPECIAL SY
STAGE 3							
1488+00	-	1523+50	LT	IH 43	--	24,024	
1523+50	-	1632+00	LT	IH 43	--	74,275	
1581+01	-	1585+11	MED	IH 43	--	963	
1632+00	-	1685+64	LT	IH 43	--	37,352	
1687+19	-	1739+00	LT	IH 43	--	34,635	
1721+06	-	1729+63	MED	IH 43	--	1,136	
1739+00	-	1785+00	LT	IH 43	--	32,174	
1609PRC+85	-	1633PRC+22	MED	CTH C RAMP C	5,728	--	
1633PRD+36	-	1646PRD+60	MED	CTH C RAMP D	3,006	--	
1769JULC+23	-	1778JULC+59	MED	STH 60 RAMP C	3,291	--	
STAGE 3 SUBTOTAL					12,025		204,559

STATION	TO	STATION	OFFSET	LOCATION	CONCRETE PAVEMENT 8-INCH SPECIAL SY	SPV.0180.0003 CONCRETE PAVEMENT 10 1/2-INCH SPECIAL SY	SPV.0180.0004 CONCRETE PAVEMENT 10 1/2-INCH SPECIAL SY
STAGE 4							
1488+00	-	1523+50	RT	IH 43	--	14,966	
1523+50	-	1616+03	RT	IH 43	--	40,831	
1616+03	-	1632+00	RT	IH 43	--	6,993	
1632+00	-	1650+09	RT	IH 43	--	8,091	
1650+09	-	1685+66	RT	IH 43	--	14,722	
1677+50	-	1685+54	RT	IH 43	--	2,394	
1687+19	-	1691+00	RT	IH 43	--	1,170	
1687+21	-	1739+00	RT	IH 43	--	21,026	
1739+00	-	1785+00	RT	IH 43	--	18,912	
1619PRB+21	-	1632PRB+75	MED	CTH C RAMP B	4,250	--	
1634PRA+53	-	1650PRA+09	MED	CTH C RAMP A	3,973	--	
1768LULB+94	-	1778LULB+07	MED	STH 60 RAMP B	2,660	--	
STAGE 4 SUBTOTAL					10,883		129,105
PROJECT 1229-04-76 TOTAL					41,754		406,324

371.2000.S
OMP BASE
AGGREGATE DENSE
1 1/4-INCH
COMPACTION
ELIMINATED

2

CONCRETE PAVEMENT APPROACH SLAB

STATION	TO	STATION	OFFSET	LOCATION	CONCRETE PAVEMENT APPROACH SLAB SY
STAGE 1					
19HL+04	-	19HL+19		HIGHLAND RD	170
22HL+63	-	22HL+78		HIGHLAND RD	240
STAGE 1 SUBTOTAL					410
STAGE 2					
259PR+71	-	259PR+86		CTH C/PIONEER RD	80
261PR+95	-	262PR+10		CTH C/PIONEER RD	77
39FS+98	-	40FS+13		FALLS RD	87
42FS+80	-	42FS+95		FALLS RD	87
STAGE 2 SUBTOTAL					331
STAGE 3					
1685+63	-	1685+78	LT	LAKEFIELD RD	101
1687+05	-	1687+20	LT	LAKEFIELD RD	101
STAGE 3 SUBTOTAL					202
STAGE 4					
1658+65	-	1685+80	RT	LAKEFIELD RD	100
1687+07	-	1687+22	RT	LAKEFIELD RD	101
STAGE 4 SUBTOTAL					201
PROJECT 1229-04-76 TOTAL					1,144

Addendum No. 02
ID 1229-04-76
Revised Sheet 1108
November 1, 2021

ALL ITEMS CATEGORY 1000
UNLESS OTHERWISE NOTED

PROJECT NO: 1229-04-76

COUNTY: OZAUKEE

HWY: IH 43

PROJECT NO: 1229-04-76

SHEET: 1108

MISCELLANEOUS QUANTITIES
PLOT BY: J.ORNATHAND, OLSON
PLOT NAME: 022594_M08
PLOT SCALE: 1:1

PLOT DATE: 11/12/2021 7:56:39 AM

Estimate of Quantities_M08

COVER PLATES TEMPORARY

STAGE	ROADWAY	STATION	OFFSET	TEMPORARY	EACH
2	IH 43	1545+01	0' RT	0' RT	1
		1548+04	0' RT	0' RT	1
		1550+90	0' RT	0' RT	1
		1555+04	0' RT	0' RT	1
		1558+85	0' RT	0' RT	1
		1572+84	0' RT	0' RT	1
		1604+09	0' RT	0' RT	1
		1626+81	0' RT	0' RT	1
		1640+54	0' RT	0' RT	1
		1645+95	0' RT	0' RT	1
		1653+54	0' RT	0' RT	1
		1658+92	0' RT	0' RT	1
		1663+52	0' RT	0' RT	1
		1671+12	0' RT	0' RT	1
		1704+99	0' RT	0' RT	1
		1708+04	0' RT	0' RT	1
		1711+54	0' RT	0' RT	1
		1715+09	0' RT	0' RT	1
		1718+63	0' RT	0' RT	1
		1720+54	0' RT	0' RT	1
		1730+09	0' RT	0' RT	1
		1733+60	0' RT	0' RT	1
		1736+53	0' RT	0' RT	1
		1736+68	0' RT	0' RT	1
		1736+83	0' RT	0' RT	1
		1740+54	0' RT	0' RT	1
		1744+04	0' RT	0' RT	1
		1749+54	0' RT	0' RT	1
		1752+53	0' RT	0' RT	1
		1755+52	0' RT	0' RT	1
		1758+54	0' RT	0' RT	1
		1765+50	0' LT	0' LT	1
		1771+99	0' RT	0' RT	1
		1776+14	0' RT	0' RT	1
		1777+15	0' RT	0' RT	1
		1778+50	0' RT	0' RT	1
		1778+87	0' RT	0' RT	1
TOTAL					37

Addendum No. 02
 ID 1229-04-76
 Revised Sheet 1112
 November 1, 2021

CONCRETE COLLARS FOR PIPE

STAGE	ROADWAY	STATION	OFFSET	CONCRETE COLLARS FOR PIPE	EACH
4	IH 43	1531+25	0' RT	0' RT	1
		1531+42	81' RT	81' RT	1
		1531+52	87' RT	87' RT	1
		1532+29	0' RT	0' RT	1
		1534+06	79' RT	79' RT	1
		1544+97	36' RT	36' RT	1
		1545+05	38' RT	38' RT	1
		1548+04	43' RT	43' RT	1
		1550+90	43' RT	43' RT	1
		1555+04	43' RT	43' RT	1
		1558+85	43' RT	43' RT	1
		1572+56	42' RT	42' RT	1
		1572+64	43' RT	43' RT	1
		1586+87	42' RT	42' RT	1
		1596+85	43' RT	43' RT	1
		1596+93	43' RT	43' RT	1
		1604+09	43' RT	43' RT	1
		1626+82	43' RT	43' RT	1
		1635+04	43' RT	43' RT	1
		1640+54	43' RT	43' RT	1
		1645+89	43' RT	43' RT	1
		1645+97	43' RT	43' RT	1
		1653+62	43' RT	43' RT	1
		1655+54	43' RT	43' RT	1
		1658+91	43' RT	43' RT	1
		1663+55	43' RT	43' RT	1
		1671+13	43' RT	43' RT	1
		1704+99	43' RT	43' RT	1
		1708+04	43' RT	43' RT	1
		1711+54	43' RT	43' RT	1
		1715+09	43' RT	43' RT	1
		1718+41	43' RT	43' RT	1
		1718+48	43' RT	43' RT	1
		1720+54	43' RT	43' RT	1
		1730+09	43' RT	43' RT	1
		1733+90	43' RT	43' RT	1
		1736+08	43' RT	43' RT	1
		1736+16	43' RT	43' RT	1
		1736+68	43' RT	43' RT	1
		1740+54	43' RT	43' RT	1
		1744+04	43' RT	43' RT	1
		1747+51	43' RT	43' RT	1
		1747+57	43' RT	43' RT	1
		1749+54	43' RT	43' RT	1
		1752+53	43' RT	43' RT	1
		1759+52	43' RT	43' RT	1
		1759+54	43' RT	43' RT	1
		1762+75	83' RT	83' RT	1
		1765+50	43' RT	43' RT	1
		1771+99	43' RT	43' RT	1
		1776+14	43' RT	43' RT	1
		1777+04	46' RT	46' RT	1
SUBTOTAL					62
TOTAL					102

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

PROJECT NO: 1229-04-76

HWY: IH 43

COUNTY: OZAUKEE

MISCELLANEOUS QUANTITIES

ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED

SHEET: 1112

E

Addendum No. 02
ID 1229-04-76
Revised Sheet 1113
November 1, 2021

TEMPORARY DRAINAGE

STAGE	ROADWAY	STATION	OFFSET	STRUCTURE RM ELEVATION	STRUCTURE INVERT ELEVATION	CONCRETE COLLARS FOR PIPE	520 8000' PIPE EACH	SPV 0660.8015 PIPE CONNECTION TO EXISTING STRUCTURE	522.0118' 18-INCH LF	522.0124' 24-INCH LF	522.0130' 30-INCH LF	522.0136' 36-INCH LF	522.1018' AEW FOR CPRC 18-INCH EACH	522.1024' AEW FOR CPRC 24-INCH EACH	522.1030' AEW FOR CPRC 30-INCH EACH	522.1036' AEW FOR CPRC 36-INCH EACH	522.1048' AEW FOR CPRC 48-INCH EACH	
1	IH 43	1544+72	85'RT	-	-	-	1	-	-	-	-	-	-	-	1	-	-	
		1544+77	85'RT	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
		1551+27	79'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1559+27	79'RT	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
		1572+54	86'RT	-	-	-	1	-	-	-	-	-	-	-	1	-	-	
		1572+58	88'RT	-	-	-	1	-	-	-	-	-	-	-	1	-	-	
		1586+98	76'RT	-	-	-	1	-	-	-	-	-	-	-	1	-	-	
		1587+04	80'RT	-	-	-	1	-	-	-	-	-	-	-	1	-	-	
		1587+08	80'RT	-	-	-	1	-	-	-	-	-	-	-	1	-	-	
		1603+68	89'RT	-	-	-	1	-	-	-	-	-	-	-	1	-	-	
		1611+69	85'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1634+07	77'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1635+97	77'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1658+97	79'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1663+49	81'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1671+05	79'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1714+99	85'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1718+15	81'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1734+31	81'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1736+16	84'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1736+48	84'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1762+48	86'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1762+49	86'RT	-	-	-	1	-	-	-	-	-	1	-	-	-	-	
		1775+99	92'RT	-	-	-	24	-	-	-	-	-	7	6	6	3	2	
SUBTOTALS																		
2	IH 43	1474+93	1'RT	672.86	668.28	-	-	-	-	-	-	-	-	-	-	-	-	
		1476+75	0'RT	670.10	670.10	-	-	-	-	-	-	-	-	-	-	-	-	
		1480+53	0'LT	-	-	2	-	-	-	-	-	-	-	-	-	-	-	
		1483+00	1'RT	677.80	671.81	-	-	-	-	-	-	-	-	-	-	-	-	
		1551+14	41'RT	680.72	677.07	2	-	-	-	-	-	-	-	-	-	-	-	
		1568+98	4'LT	673.29	670.93	1	-	-	-	-	-	-	-	-	-	-	-	
		1559+15	44'RT	675.52	670.79	2	-	-	-	-	-	-	-	-	-	-	-	
		1567+01	5'LT	668.85	666.30	1	-	-	-	-	-	-	-	-	-	-	-	
		1572+76	43'RT	664.86	664.86	2	-	-	-	-	-	-	-	-	-	-	-	
		1573+01	4'LT	665.16	661.99	2	-	-	-	-	-	-	-	-	-	-	-	
		1582+02	8'LT	686.40	682.81	1	-	-	-	-	-	-	-	-	-	-	-	
		1586+99	9'LT	687.11	681.44	2	-	-	-	-	-	-	-	-	-	-	-	
		1586+99	44'RT	671.57	681.66	2	-	-	-	-	-	-	-	-	-	-	-	
		1596+06	5'LT	685.09	683.22	1	-	-	-	-	-	-	-	-	-	-	-	
		1598+05	3'LT	685.39	684.49	1	-	-	-	-	-	-	-	-	-	-	-	
		1603+83	43'RT	689.36	683.96	2	-	-	-	-	-	-	-	-	-	-	-	
		1604+00	5'LT	687.09	684.32	1	-	-	-	-	-	-	-	-	-	-	-	
		1611+84	44'RT	674.22	687.23	2	-	-	-	-	-	-	-	-	-	-	-	
		1612+01	6'LT	671.27	687.29	1	-	-	-	-	-	-	-	-	-	-	-	
		1624+58	6'LT	671.21	685.57	2	-	-	-	-	-	-	-	-	-	-	-	
		1624+63	44'RT	673.22	685.62	2	-	-	-	-	-	-	-	-	-	-	-	
		1628+53	41'RT	672.95	685.91	2	-	-	-	-	-	-	-	-	-	-	-	
		1628+55	4'LT	670.06	685.84	1	-	-	-	-	-	-	-	-	-	-	-	
		1634+08	41'RT	673.08	686.01	2	-	-	-	-	-	-	-	-	-	-	-	
		1635+97	42'RT	673.07	686.24	2	-	-	-	-	-	-	-	-	-	-	-	

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

PROJECT NO: 1229-04-76

HWY: IH 43

COUNTY: OZAUKEE

MISCELLANEOUS QUANTITIES

SHEET: 1113

E

ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED

Addendum No. 02
ID 1229-04-76
Revised Sheet 1115
November 1, 2021

TEMPORARY DRAINAGE

STAGE	ROADWAY	STATION	OFFSET	STRUCTURE RM ELEVATION	STRUCTURE INVERT ELEVATION	CONCRETE COLLARS FOR PIPE	520.8000'	522.0118'	522.0124'	522.0130'	522.0136'	522.1018'	522.1024'	522.1030'	522.1036'	522.1048'	
				FT	FT	TO EXISTING STRUCTURE	SPV.0060.8015	CPRC CLASS III 18-INCH	CPRC CLASS III 24-INCH	CPRC CLASS III 30-INCH	CPRC CLASS III 36-INCH	AEW FOR CPRC 18-INCH	AEW FOR CPRC 24-INCH	AEW FOR CPRC 30-INCH	AEW FOR CPRC 36-INCH	AEW FOR CPRC 48-INCH	
						EACH	PIPE CONNECTION TO EXISTING STRUCTURE	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	
3		1603+69	0' RT	669.27	664.29	1											
		1611+69	0' RT	673.88	667.28	1											
		1624+59	0' RT	674.34	665.59	2											
		1628+47	0' RT	672.54	665.82	2											
		1634+07	0' RT	671.91	668.02	2											
		1635+97	0' RT	672.75	666.39	1											
		1643+97	0' RT	676.02	667.56	1											
		1647+98	0' RT	677.01	668.65	1											
		1659+01	0' RT	672.83	668.29	2											
		1663+45	0' RT	672.88	667.17	2											
		1671+02	0' RT	675.22	668.49	2											
		1695+01	0' RT	696.40	683.73	1											
		1714+99	0' RT	701.02	696.56	1											
		1718+44	0' RT	704.60	698.82	2											
		1718+81	97' LT	--	--	1		12									
		1733+99	0' RT	704.95	701.16	1											
		1736+54	0' RT	704.58	703.37	2											
		1736+48	98' LT	--	--	1											
		1736+53	98' LT	--	--	1											
		1747+67	12' LT	--	--	1											
		1747+69	12' LT	707.75	700.78	2											
		1747+72	12' LT	--	--	1											
		1767+99	0' RT	700.34	693.47	1											
		1775+99	0' RT	698.06	693.54	2											
		1776+00	93' LT	--	--	1											
SUBTOTALS							50	12	14	116	20	8	7	14	2	5	2
TOTALS							147	12	14	116	20	8	7	14	2	5	2

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

PROJECT NO: 1229-04-76	COUNTY: OZAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 1115	E
HWY: IH 43 Estimate of Quantities\022991_es_MQ.app 2			ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED	
PLOT DATE: 10/25/2021 2:37:56 PM PLOT NAME: 022991_es_MQ10 PLOT BY: BRIAN C. ADAMS PLOT SCALE: 1:1				

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 ID 1229-04-76
 Revised Sheet 1118
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TEMPORARY DRAINAGE																				
STAGE	ROADWAY	STATION	OFFSET	STRUCTURE RM ELEVATION	STRUCTURE INVERT ELEVATION	MANHOLES 4 FT	611.2004*	611.0535*	611.0642*	611.3902*	611.18120.5*	608.0315*	608.0318*	608.0324*	608.0330*	608.0336*	608.0418*	608.0448	608.0418*	
				FT	FT	MANHOLES 4 FT	MANHOLES 4 FT	MANHOLE COVERS TYPE J-SPECIAL EACH	INLET COVERS TYPE MS EACH	INLETS MEDIAN 2 GRATE EACH	COVER PLATES TEMPORARY EACH	SSPRC CLASS III 15-INCH LF	SSPRC CLASS III 18-INCH LF	SSPRC CLASS III 24-INCH LF	SSPRC CLASS III 30-INCH LF	SSPRC CLASS III 36-INCH LF	SSPRC CLASS III 48-INCH LF	SSPRC CLASS III 18-INCH LF	MARKERS CULVERT END EACH	
3		1603+99	0 RT	663.27	664.29				2	1			2							
		1611+99	0 RT	673.88	667.28				2	1										
		1624+59	0 RT	674.34	665.59				2	1										
		1628+47	0 RT	672.54	665.82				2	1						4				
		1634+07	0 RT	671.91	668.02				2	1										
		1635+97	0 RT	672.75	668.39				2	1										
		1643+99	0 RT	670.02	667.56				2	1										
		1645+66	0 RT	672.83	668.29				2	1										
		1659+01	0 RT	672.93	668.29				2	1										
		1663+45	0 RT	672.88	667.17				2	1										
		1671+02	0 RT	675.22	668.49				2	1										
		1695+01	0 RT	683.73	683.40				2	1										
		1714+99	0 RT	701.02	696.56				2	1										
		1718+44	0 RT	704.60	698.82				2	1										
		1718+81	97 LT	-	-															
		1733+99	0 RT	704.95	701.16				2	1										
		1736+34	0 RT	704.58	703.37				2	1										
		1736+48	98 LT	-	-															
		1736+53	98 LT	-	-															
		1742+69	0 RT	707.75	700.78				2	1										
		1747+72	112 LT	-	-															
		1757+99	0 RT	700.34	693.47				2	1										
		1775+99	0 RT	698.06	693.54				2	1										
		1776+00	93 LT	-	-															
SUBTOTALS						3	3	3	52	26	3	4	26	24	12	12				12
TOTALS						3	3	3	160	80	3	4	343	130	108	106				755

* ADDITIONAL QUANTITIES FOUND ELSEWHERE			MISCELLANEOUS QUANTITIES			ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED		
PROJECT NO: 1229-04-76	HWY: IH 43	COUNTY: OZAUKEE	MISCELLANEOUS QUANTITIES			SHEET: 1118		
av:\work\1118_sht 04-76\Chart Layout\Documents\Milwaukee Projects\1229-04-76 - North End Mainline\Sheets\Plan\03 Estimate of Quantities\022591_es_MQ.apr PLOT DATE: 10/25/2021 2:37:56 PM PLOT BY: BRIAN C. ADAMS PLOT NAME: 022591_es_MQ13 PLOT SCALE: 1:1								

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FASTENING SEWER ACCESS COVERS

STAGE	ROADWAY	STATION	OFFSET	EACH
3	IH 43	1522+97	17 LT	1
		1523+62	17 LT	1
		1524+79	17 LT	1
		1632+04	20 LT	1
		1635+04	20 LT	1
		1688+00	14 LT	1
		1696+25	17 LT	1
TOTAL				7

SPECIAL STRUCTURE

TOTAL	EACH
	1

FOR LOCATION SEE STORM SEWER STRUCTURES TABLE

PRECAST TRENCH DRAIN

STAGE	ROADWAY	UPSTREAM END	OFFSET	CONNECT TO STORM SEWER STRUCTURE	PRECAST TRENCH DRAIN LF	NOTES
3	IH 43	1535+91	69' RT	132A	196	
SUBTOTAL					196	
4	IH 43	1511+84	61' RT	144A	175	
		1508+49	69' LT	250A	181	3.8' BEND AT STA 1513+05, 69.0' RT
SUBTOTAL					356	
TOTAL					552	

TEMPORARY PRECAST TRENCH DRAIN

STAGE	ROADWAY	UPSTREAM END	OFFSET	PRECAST TRENCH DRAIN LF	204.9090.S.0005 REMOVING TEMPORARY PRECAST TRENCH DRAIN LF
2	IH 43	1477+48	34' RT	585	585
		1480+53	0' RT	377	377
		1481+03	0' RT	50	50
		1481+69	33' LT	224	224
		1789+14	23' LT	265	265
		1788+38	8' RT	206	206
		1796+03	35' LT	540	540
		1798+03	35' RT	700	700
TOTALS					2,957

APRON ENDWALLS SALVAGED

STAGE	ROADWAY	STATION	OFFSET	18-INCH SALVAGED EACH	NOTES
4	IH 43	1762+75	83' RT	1	PROPOSED ENDWALL 695
TOTAL				1	

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CULVERT PIPES

LOCATION	STAGE	FROM	TO	INLET ELEVATION	DISCHARGE FT/FT	SLOPE	522.0118* CPRC CLASS III 18-INCH UF	522.0124* CPRC CLASS III 24-INCH UF	522.0130* CPRC CLASS III 30-INCH UF	522.0136* CPRC CLASS III 36-INCH UF	522.0142 CPRC CLASS III 42-INCH UF	522.0430 CPRC CLASS IV 30-INCH UF	522.0424 CPRC CLASS IV 24-INCH UF	522.0524 CPRC CLASS V 24-INCH UF	522.2338 CPRC CLASS HE.III 38X60-INCH UF	522.2429 CPRC CLASS HE.IV 29X45-INCH UF	522.2434 CPRC CLASS HE.IV 34X53-INCH UF
43-RL	4	563	565	688.16	688.11	0.50%											
43-RL	3	565	567	688.11	687.77	0.50%											
43-RL	3	571	577	692.77	692.53	0.50%											
43-RL	4	573	575	692.63	692.58	0.50%											
43-RL	3	575	577	692.58	692.54	0.50%											
43-RL	3	577	578	692.03	690.54	0.50%											
43-RL	3	578	581	690.54	689.04	0.50%											
43-RL	3	579	581	693.81	693.56	0.50%											
43-RL	3	580	581	693.64	693.56	0.50%											
43-RL	3	581	582	689.04	687.91	0.50%											
43-RL	3	582	583	687.91	687.53	0.50%											
43-RL	3	585	587	686.92	686.49	0.50%											
43-RL	3	588	590	686.50	686.45	0.30%											
43-RL	3	589	590	686.50	686.45	0.30%											
43-RL	3	590	591	686.45	686.04	0.50%											
43-RL	2/4	593	595	688.06	687.63	0.50%											
43-RL	2/4	597	599	691.02	690.58	0.50%											
43-RL	2/4	601	603	694.48	694.04	0.50%											
43-RL	2/4	605	607	696.99	696.53	0.50%											
43-RL	2/3/4	611	613	702.25	700.60	0.91%		182									
43-RL	3	615	617	702.25	701.45	0.90%											
43-RL	2/4	617	619	701.45	700.60	0.90%											
43-RL	2/4	623	623	703.50	703.06	0.50%											
43-RL	2/4	631	633	704.60	704.18	0.50%											
43-RL	2/4	635	637	702.44	702.01	0.50%											
43-RL	2/3/4	639	641	701.98	701.10	0.52%										168	
43-RL	2/3/4	643	645	701.98	701.10	0.52%										168	
43-RL	2	646	648	701.85	701.81	0.30%											
43-RL	2	647	648	701.87	701.83	0.30%											
43-RL	2/4	648	649	701.26	700.81	0.50%											
43-RL	2/4	651	653	703.01	702.59	0.50%											
43-RL	2/4	655	657	704.85	704.44	0.50%											
43-RL	2/3/4	659	661	702.19	701.25	0.47%	198										
43-RL	2/3/4	663	665	702.19	701.25	0.47%	198										
43-RL	2/4	669	671	704.11	703.69	0.50%											
43-RL	2/4	673	675	702.17	701.74	0.50%											
43-RL	2/4	677	679	700.11	699.68	0.50%											
43-RL	2/4	681	683	698.04	697.60	0.50%											
43-RL	2/3/4	685	687	694.00	692.75	0.62%											
43-RL	2/3/4	689	691	694.00	692.75	0.62%											
43-RL	3	692	694	695.31	695.27	0.30%											
43-RL	3	693	694	695.31	695.27	0.30%											
43-RL	2/4	694	695	694.77	694.26	0.50%											
43-RL	2/4	697	699	694.99	694.48	0.50%											
ULC	3	701	702	695.51	694.98	1.00%											
ULC	3	702	703	693.98	692.19	1.35%											
43-RL	2/4	703	705	692.19	690.03	1.35%											
43-RL	3	707	709	694.58	694.14	0.57%											
43-RL	2/4	709	711	694.14	693.64	0.57%											
ULB	4	713	715	690.50	689.92	0.51%											
43-RL	2	721	723	693.13	693.02	0.30%											
43-RL	2	723	725	693.02	692.61	0.30%											
43-RL	2/4	725	727	692.61	692.32	0.30%											
43-RL	3	731	EXIST	692.40	692.35	0.66%											
43-RL	3	734	EXIST	692.40	692.35	0.66%											

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STORM SEWER PIPES

LOCATION	STAGE	FROM	TO	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	608.0315 SSPRC CLASS III 15-INCH U	608.0318* SSPRC CLASS III 18-INCH U	608.0324* SSPRC CLASS III 24-INCH U	608.0330* SSPRC CLASS III 30-INCH U	608.0336* SSPRC CLASS III 36-INCH U	608.0412 SSPRC CLASS IV 12-INCH U	608.0415 SSPRC CLASS IV 15-INCH U	608.0418* SSPRC CLASS IV 18-INCH U	608.0424 SSPRC CLASS IV 24-INCH U	608.0430 SSPRC CLASS IV 30-INCH U	608.0436 SSPRC CLASS IV 36-INCH U	608.0448 SSPRC CLASS IV 48-INCH U	608.0536 SSPRC CLASS V 36-INCH U	608.0580 SSPRC CLASS V 60-INCH U	608.2434 SSPRC CLASS HE-IV 36-INCH U	SPV0290.8001 SSPRC SPECIAL 36-INCH U
RA	3	933	935	678.30	677.80	0.52%																
PRA	3	939	941	674.38	673.86	0.77%			39													
PRA	4	943	945	673.98	672.00	0.77%			257													
PRA	4	943	945	672.00	669.74	0.77%			292													
PRA	4	945	947	669.74	669.47	0.77%			36													
LD	4	951	953	671.70	670.45	1.92%																
LD	4	955	957	671.70	670.45	1.95%																
LD	4	959	961	673.70	673.45	0.78%																
LD	4	961	965	672.95	672.61	1.00%			32													
LD	4	963	965	673.36	673.11	0.78%			33													
LD	4	965	967	672.11	671.16	1.50%			63													
LD	4	969	971	673.32	673.00	0.53%																
LD	4	973	975	673.32	673.00	0.54%																
FS	3	981	983	703.75	702.56	0.90%																
FS	4	985	987	702.34	701.94	0.37%																
FS	2	989	991	718.62	716.00	6.21%																
FS	2	993	995	717.49	715.28	6.39%																
43-RL	2	T1001	T1003	669.90	669.67	0.50%																
43-RL	2	T1003	T1004	673.87	673.83	0.50%			9													
43-RL	2	T1004	T1005	669.67	669.11																	
43-RL	2	T1005	T1007	669.11	668.70	0.14%																
43-RL	2	T1011	T1013	673.89	673.52																	
43-RL	2	T1013	T1015	673.52	673.27	0.36%																
TOTALS							1115	2338	4498	467	1376	392	48	5727	2750	787	286	16	916	458	386	159

2

TRAFFIC CONTROL CONT.

2

STAGE	DURATION	STAGE I TYPE I	STAGE II TYPE II	NUMBER OF SIGNS	NUMBER OF CYCLES	NUMBER OF SIGNS COVERING	TRAFFIC CONTROL	643.0920 *	643.0910 TRAFFIC CONTROL	643.1000 TRAFFIC CONTROL	643.1050 TRAFFIC CONTROL	643.1055.S TRUCK OR TRAILER-MOUNTED ATTENUATOR	643.4100.S TRAFFIC CONTROL
STAGE	DAYS	LOCATION	LOCATION	STAGE I TYPE I	STAGE II TYPE II	NUMBER OF SIGNS	NUMBER OF CYCLES	NUMBER OF SIGNS COVERING	TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC CONTROL
STAGE	DAYS	LOCATION	LOCATION	STAGE I TYPE I	STAGE II TYPE II	NUMBER OF SIGNS	NUMBER OF CYCLES	NUMBER OF SIGNS COVERING	TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC CONTROL
1	172	HWY W	HWY W	1	1	1	1	1	1	1	1	1	1
1	172	HIGHLAND RD AT HWY W	HIGHLAND RD AT HWY W	1	1	1	1	1	1	1	1	1	1
1	172	NEW CASTLE PL	NEW CASTLE PL	1	1	1	1	1	1	1	1	1	1
1	172	N LAKE SHORE DR	N LAKE SHORE DR	1	1	1	1	1	1	1	1	1	1
1	172	HIGHLAND RD AT N LAKE SHORE DR	HIGHLAND RD AT N LAKE SHORE DR	1	1	1	1	1	1	1	1	1	1
1A	5	HIGHLAND RD AT N LAKE SHORE DR	HIGHLAND RD AT N LAKE SHORE DR	1	1	1	1	1	1	1	1	1	1
1B	145	HIGHLAND RD AT N LAKE SHORE DR	HIGHLAND RD AT N LAKE SHORE DR	1	1	1	1	1	1	1	1	1	1
1C	20	HIGHLAND RD AT N LAKE SHORE DR	HIGHLAND RD AT N LAKE SHORE DR	1	1	1	1	1	1	1	1	1	1
1D	5	HIGHLAND RD AT N LAKE SHORE DR	HIGHLAND RD AT N LAKE SHORE DR	1	1	1	1	1	1	1	1	1	1
1A	21	IH 43	IH 43	1	1	1	1	1	1	1	1	1	1
1B	45	IH 43	IH 43	1	1	1	1	1	1	1	1	1	1
1B-NIGHT	10	IH 43	IH 43	1	1	1	1	1	1	1	1	1	1
2	185	IH 43	IH 43	1	1	1	1	1	1	1	1	1	1
2B-WINTER SHUTDOWN	95	IH 43	IH 43	1	1	1	1	1	1	1	1	1	1
3A	130	IH 43	IH 43	1	1	1	1	1	1	1	1	1	1
3B	35	IH 43	IH 43	1	1	1	1	1	1	1	1	1	1
4A	60	IH 43	IH 43	1	1	1	1	1	1	1	1	1	1
4B	40	IH 43	IH 43	1	1	1	1	1	1	1	1	1	1
4C	30	IH 43	IH 43	1	1	1	1	1	1	1	1	1	1
1-2	260	FALLS ROAD	FALLS ROAD	1	1	1	1	1	1	1	1	1	1
2-4	260	LAKEFIELD ROAD	LAKEFIELD ROAD	1	1	1	1	1	1	1	1	1	1
2A	45	CTH C/PIONEER RD	CTH C/PIONEER RD	1	1	1	1	1	1	1	1	1	1
3A	130	CTH C/PIONEER RD	CTH C/PIONEER RD	1	1	1	1	1	1	1	1	1	1
3B	35	STH 60	STH 60	1	1	1	1	1	1	1	1	1	1
3B-4A	95	CTH C/PIONEER RD	CTH C/PIONEER RD	1	1	1	1	1	1	1	1	1	1
5	8	IH 43 - POLYMER OVERLAYS	IH 43 - POLYMER OVERLAYS	1	1	1	1	1	1	1	1	1	1
UNDISTRIBUTED				10	1	10	25	1	25	1,867	2	1150***	200
PROJECT 1229-04-76 TOTAL				11	1	10	25	1	25	1,867	34	1,452	200

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
 **FOR INFORMATION ONLY
 ***COORDINATE WITH CONSTRUCTION ENGINEER FOR LOCATION AND USE

Addendum No. 02
 ID 1229-04-76
 Revised Sheet 1196
 November 1, 2021

ALL ITEMS CATEGORY 1000
 UNLESS OTHERWISE NOTED

SHEET: 1196

PROJECT NO: 1229-04-76

HWY: IH 43

COUNTY: OZAUKEE

MISCELLANEOUS QUANTITIES

PLOT NAME: 022594_MG31

PLOT BY: J. JOHANNATHAN D. OLSON

E

DETOUR PLAN

643.0900*
TRAFFIC CONTROL SIGNS

STAGE DURATION	LOCATIONS	EACH**	DAY	CYCLES	SIGNS	EACH
30	STH 60 SB ON RAMP AND NB OFF RAMP	84	2520	-	-	-
270	CTH C/PIONEER RD	115	31050	-	-	-
115	HIGHLAND RD NB RAMP	44	5060	-	-	-
155	HIGHLAND RD SB RAMP	44	6820	-	-	-
110	CTH C/PIONEER RD NB RAMP	72	7920	-	-	-
165	CTH C/PIONEER RD SB RAMP	65	10725	3	65	195
4	IH 43 NB - HIGHLAND RD BRIDGE WORK	71	284	3	71	213
4	IH 43 SB - HIGHLAND RD BRIDGE WORK	63	252	3	63	189
4	IH 43 NB - FALLS RD BRIDGE WORK	75	300	3	75	225
4	IH 43 SB - FALLS RD BRIDGE WORK	71	284	3	71	213
4	IH 43 NB - CTH C BRIDGE WORK	79	316	3	79	237
4	IH 43 SB - CTH C BRIDGE WORK	87	348	3	87	261
PROJECT 1229-04-76 TOTAL				65,879		1,533

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

2

GEOTEXTILE TYPE SAS

645.0140
GEOTEXTILE TYPE SAS

LOCATION	SY
HIGHLAND RAMP A	5546
HIGHLAND RAMP B	5794
HIGHLAND RAMP C	4507
HIGHLAND RAMP D	3403
HIGHLAND ROAD	900
Project Total	20150

NOTE:

- 1. OTHER GEOTEXTILE TYPES SHOWN ELSEWHERE IN THE MISCELLANEOUS QUANTITY TABLES WITH THEIR INTENDED USE.

GEOTEXTILE TYPE R

645.0130
GEOTEXTILE TYPE R

LOCATION	SY
UNDISTRIBUTED	600
PROJECT 1229-04-76 TOTAL	600

NOTE:

- 1. TYPE R USED BENEATH STONE DITCH CHECK ITEM.
- 2. OTHER GEOTEXTILE TYPES SHOWN ELSEWHERE IN THE MISCELLANEOUS QUANTITY TABLES WITH THEIR INTENDED USE.

GEGRID

645.0220
GEOGRID TYPE SR

STAGE 1	STA	STA	LOCATION	SY
1470+00	-	1623+65	IH 43	25,565
1477+00	-	1542+00	IH 43	25,202
1624+85	-	1641+00	IH 43	2,728
1640+95	-	1679+45	IH 43	5,462
1687+00	-	1770+20	IH 43	12,592
1770+40	-	1784+50	IH 43	1,970
STAGE 1 SUBTOTAL				73,519

STAGE 2	STA	STA	LOCATION	SY
1464+00	-	1480+00	IH 43	2,499
1538+30	-	1548+00	IH 43	1,748
1542+00	-	1552+00	IH 43	3,877
1677+48	-	1694+00	IH 43	5,732
1751+00	-	1786+15	IH 43	3,129
STAGE 2 SUBTOTAL				16,985

STAGE 3	STA	STA	LOCATION	SY
1498+00	-	1508+30	IH 43	2,280
1536+55	-	1549+50	IH 43	2,488
1601+00	-	1611+75	IH 43	2,628
1649+75	-	1661+00	IH 43	2,750
1763+00	-	1773+50	IH 43	2,235
STAGE 3 SUBTOTAL				12,381
PROJECT 1229-04-76 TOTAL				102,885

NOTE:

ITEM USED TO REDUCE EBS QUANTITY, WHERE APPROVED BY FIELD ENGINEER

Addendum No. 02
ID 1229-04-76
Revised Sheet 1197
November 1, 2021

ALL ITEMS CATEGORY 1000 UNLESS OTHERWISE NOTED

SHEET: 1197 E

PROJECT NO: 1229-04-76
COUNTY: OZAUKEE
HWY: IH 43

MISCELLANEOUS QUANTITIES

PROJECT 1229-04-76

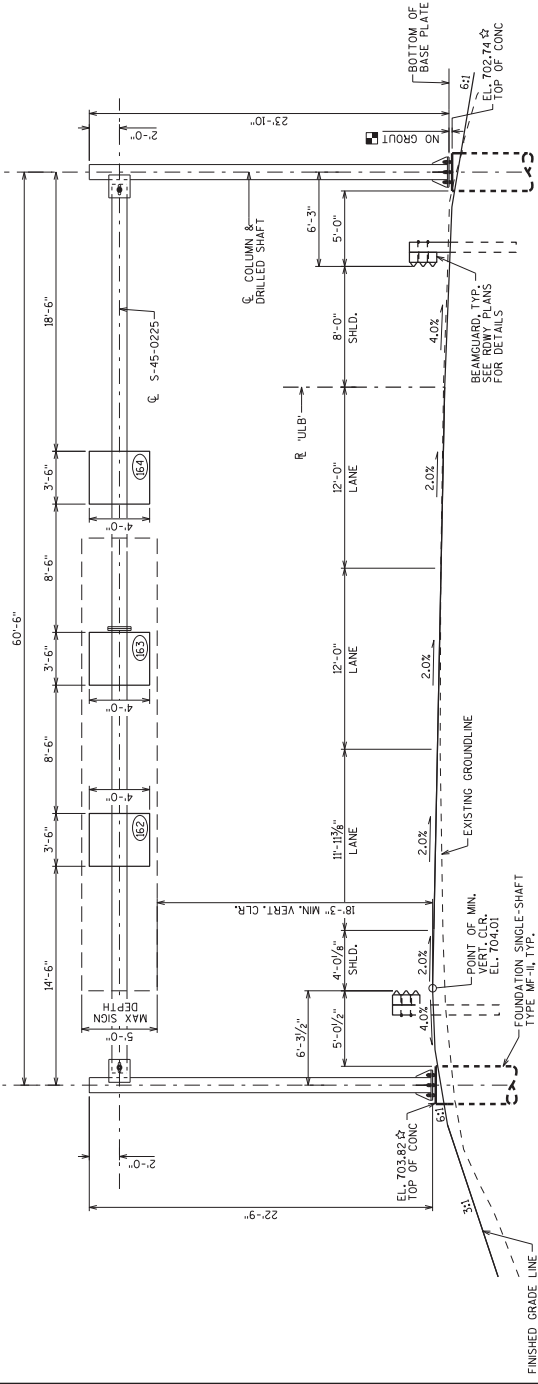
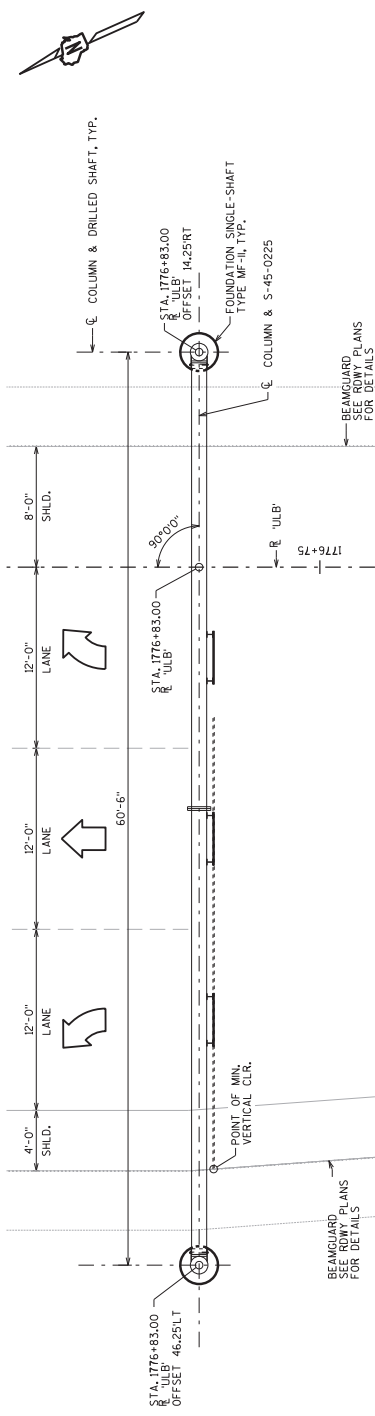
Plot Name: 022904_MG32
Plot Scale: 1:1
Plot By: J. JOHANNATHAN D. OLSON

Plot Date: 10/22/2021 12:06:28 PM

File Path: \\hwy-04\BVG\Draw_Lakes\Documents\Misc\Work\Projects\62577 - 76850 - I-43 NSU_Roadway & Drainage\PE\1229-04-76 - North End Mainline\Sheets\Plan\03 Estimate of Quantities.dwg

STATE PROJECT NUMBER
1229-04-76

Addendum No. 02
ID 1229-04-76
Revised Sheet 1957
November 1, 2021



NOTES

POINT OF MIN. VERTICAL CLEARANCE
STA. 1776+82.04@ E. 'ULB'
EL. 704.61

LEGEND

- ☆ ELEVATIONS GIVEN ALONG E. S-45-0225
- ⊗ SIGN NUMBERS (PERMANENT SIGNING PLAN)
- STANDAUFF DIMENSION IS ASSUMED TO BE DIMENSION. SEE FOUNDATION DETAILS SHEET AND SHOP DRAWINGS FOR MORE INFORMATION.

NO.	DATE	DELETE SIGN AREA	NOTE	SCL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION
STRUCTURE S-45-0225

BY: [Signature]
DATE: 10/25/21

GENERAL LAYOUT
S-45-0225

SHEET 2
1957

10/25/21
[Signature]

Addendum No. 02
ID 1229-04-76
Revised Sheet 1991
November 1, 2021

PROJECT 1229-04-76

IH 43 - 1542+00 TO 1575+00 (STAGE 2)

STATION	Real Station	Distance	AREA (SF)			Incremental Vol. (CY)			Cumulative Vol. (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
1480+50.000	148050.000	50.00	0	0	0	0	0	0	0	0	0	0
1481+00.000	148100.000	50.00	0	0	0	0	0	0	0	0	0	0
1481+50.000	148150.000	50.00	0	0	0	0	0	0	0	0	0	0
1482+00.000	148200.000	50.00	0	0	0	0	0	0	0	0	0	0
1482+50.000	148250.000	50.00	0	0	0	0	0	0	0	0	0	0
1483+00.000	148300.000	50.00	0	0	0	0	0	0	0	0	0	0
1483+50.000	148350.000	50.00	0	0	0	0	0	0	0	0	0	0
1484+00.000	148400.000	50.00	0	0	0	0	0	0	0	0	0	0
1484+50.000	148450.000	50.00	0	0	0	0	0	0	0	0	0	0
1485+00.000	148500.000	50.00	0	0	0	0	0	0	0	0	0	0
1485+50.000	148550.000	50.00	0	0	0	0	0	0	0	0	0	0
1486+00.000	148600.000	50.00	0	0	0	0	0	0	0	0	0	0
1486+50.000	148650.000	50.00	0	0	0	0	0	0	0	0	0	0
1487+00.000	148700.000	50.00	0	0	0	0	0	0	0	0	0	0
1487+50.000	148750.000	50.00	0	0	0	0	0	0	0	0	0	0
1488+00.000	148800.000	0.00	0	0	0	0	0	0	0	0	0	0
1542+00.000	154250.000	0.00	45	0	0	0	0	0	0	0	0	0
1542+50.000	154250.000	0.00	48	0	0	0	0	0	0	0	0	0
1543+00.000	154300.000	50.00	49	0	0	0	90	0	0	0	0	90
1543+50.000	154350.000	50.00	45	0	0	0	88	0	0	0	0	178
1544+00.000	154400.000	50.00	43	0	0	0	82	0	0	0	0	259
1544+50.000	154450.000	50.00	44	0	0	0	80	0	0	0	0	340
1544+93.261	154493.261	43.26	39	0	0	0	67	0	0	0	0	407
1545+00.000	154500.000	6.74	41	0	0	0	10	0	0	0	0	417
1545+50.000	154550.000	50.00	35	0	0	0	70	0	0	0	0	487
1546+00.000	154600.000	50.00	28	0	0	0	58	0	0	0	0	545
1546+07.529	154607.529	7.53	29	0	0	0	8	0	0	0	0	553
1546+32.529	154632.529	25.00	25	0	0	0	25	0	0	0	0	579
1546+50.000	154650.000	17.47	24	0	0	0	16	0	0	0	0	594
1546+57.529	154657.529	7.53	23	0	0	0	7	0	0	0	0	601
1547+00.000	154700.000	42.47	24	0	0	0	37	0	0	0	0	638
1547+50.000	154750.000	50.00	16	0	0	0	37	0	0	0	0	676
1548+00.000	154800.000	50.00	14	0	0	0	28	0	0	0	0	704
1548+50.000	154850.000	50.00	13	1	0	0	26	1	0	0	0	729
1549+00.000	154900.000	50.00	12	1	0	0	23	1	0	0	0	753
1549+50.000	154950.000	50.00	14	0	0	0	24	1	0	0	0	774
1550+00.000	155000.000	50.00	11	3	0	0	24	3	0	0	0	794
1550+50.000	155050.000	50.00	11	4	0	0	20	6	0	0	0	809
1551+00.000	155100.000	50.00	10	4	0	0	19	8	0	0	0	820
1551+50.000	155150.000	50.00	9	9	0	0	17	13	0	0	0	824
1552+00.000	155200.000	50.00	24	0	0	0	30	8	0	0	0	846
1552+50.000	155250.000	50.00	22	0	0	0	43	0	0	0	0	889
1553+00.000	155300.000	50.00	20	0	0	0	39	0	0	0	0	928
1553+50.000	155350.000	50.00	18	3	0	0	35	3	0	0	0	960
1554+00.000	155400.000	50.00	14	3	0	0	30	5	0	0	0	985
1554+50.000	155450.000	50.00	13	5	0	0	25	8	0	0	0	1002
1555+00.000	155500.000	50.00	11	3	0	0	23	8	0	0	0	1017
1555+50.000	155550.000	50.00	11	7	0	0	20	10	0	0	0	1028

2

2

2

PROJECT NO: 1229-04-76

HWY: IH 43

COUNTY: OZAUKEE

EARTHWORK DATA

Plot Name: 08010_LEW20

Plot Date: 10/22/2021 2:22:45 PM

Plot By: BRIAN C. ADAMS

SHEET: 1991

E

Addendum No. 02
 ID 1229-04-76
 Revised Sheet 1992
 November 1, 2021

PROJECT 1229-04-76
 IH 43 - I542+00 TO I575+00 (STAGE 2)

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
1556+00.00	155600.00	50.00	9	8	0	18	14	0	1120	88	0	1032
1556+50.00	155650.00	50.00	8	8	0	16	14	0	1137	102	0	1034
1557+00.00	155700.00	50.00	8	5	0	15	12	0	1152	114	0	1037
1557+50.00	155750.00	50.00	8	7	0	15	11	0	1166	126	0	1041
1558+00.00	155800.00	50.00	6	9	0	13	15	0	1179	141	0	1039
1558+50.00	155850.00	50.00	5	14	0	10	21	0	1189	162	0	1028
1559+00.00	155900.00	50.00	4	14	0	8	26	0	1197	188	0	1010
1559+50.00	155950.00	50.00	3	16	0	7	28	0	1204	216	0	988
1560+00.00	156000.00	50.00	3	16	0	5	29	0	1209	245	0	964
1560+50.00	156050.00	50.00	2	20	0	4	34	0	1213	279	0	934
1561+00.00	156100.00	50.00	1	22	0	3	39	0	1216	317	0	898
1561+50.00	156150.00	50.00	1	24	0	2	42	0	1217	359	0	858
1562+00.00	156200.00	50.00	0	25	0	1	45	0	1218	405	0	813
1562+50.00	156250.00	50.00	0	29	0	0	50	0	1218	455	0	763
1563+00.00	156300.00	50.00	0	26	0	0	51	0	1218	506	0	712
1563+50.00	156350.00	50.00	0	33	0	0	55	0	1218	561	0	657
1564+00.00	156400.00	50.00	0	33	0	0	62	0	1218	622	0	596
1564+50.00	156450.00	50.00	0	33	0	0	61	0	1218	684	0	534
1565+00.00	156500.00	50.00	0	31	0	0	59	0	1218	742	0	476
1565+50.00	156550.00	50.00	0	29	0	0	55	0	1218	797	0	421
1566+00.00	156600.00	50.00	0	29	0	0	54	0	1218	851	0	367
1566+50.00	156650.00	50.00	0	29	0	0	54	0	1218	905	0	313
1567+00.00	156700.00	50.00	0	31	0	0	55	0	1218	961	0	257
1567+50.00	156750.00	50.00	0	31	0	0	57	0	1218	1018	0	200
1568+00.00	156800.00	50.00	0	28	0	0	55	0	1218	1074	0	144
1568+50.00	156850.00	50.00	0	28	0	0	52	0	1218	1126	0	92
1569+00.00	156900.00	50.00	0	27	0	0	52	0	1218	1178	0	40
1569+50.00	156950.00	50.00	0	25	0	0	49	0	1218	1227	0	-9
1570+00.00	157000.00	50.00	0	25	0	0	46	0	1218	1273	0	-55
1570+50.00	157050.00	50.00	1	24	0	1	45	0	1220	1318	0	-98
1571+00.00	157100.00	50.00	2	19	0	2	39	0	1222	1357	0	-135
1571+50.00	157150.00	50.00	3	16	0	5	33	0	1227	1390	0	-163
1572+00.00	157200.00	50.00	5	10	0	8	25	0	1235	1415	0	-179
1572+50.00	157250.00	50.00	7	15	0	11	23	0	1246	1438	0	-191
1573+00.00	157300.00	50.00	7	17	0	12	29	0	1258	1467	0	-208
1573+50.00	157350.00	50.00	7	8	0	13	23	0	1271	1489	0	-218
1574+00.00	157400.00	50.00	8	6	0	14	13	0	1285	1502	0	-218
1574+50.00	157450.00	50.00	6	10	0	13	15	0	1298	1518	0	-220
1575+00.00	157500.00	50.00	5	11	0	10	20	0	1308	1538	0	-230
Column totals			1,308	1,538	0	1,308	1,538	0	1308	1538	0	-230

2

2

PROJECT 1229-04-76

IH 43 - 1470+26.53 TO 1487+89.80 (STAGE 2 SOUTH END TEMPORARY CROSSOVER)

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
1470+26.532	147026.53	0.00	10	0	0	0	0	0	0	0	0	0
1470+50.000	147050.00	23.47	10	0	0	9	0	0	9	0	0	9
1471+00.000	147100.00	50.00	22	0	0	30	0	0	38	0	0	38
1471+50.000	147150.00	50.00	24	0	0	42	0	0	81	0	0	81
1472+00.000	147200.00	50.00	27	0	0	47	0	0	128	0	0	128
1472+50.000	147250.00	50.00	31	0	0	54	0	0	182	0	0	182
1473+00.000	147300.00	50.00	37	0	0	63	0	0	245	0	0	245
1473+50.000	147350.00	50.00	40	0	0	71	0	0	316	0	0	316
1474+00.000	147400.00	50.00	44	0	0	78	0	0	393	0	0	393
1474+50.000	147450.00	50.00	49	0	0	86	0	0	479	0	0	479
1475+00.000	147500.00	50.00	50	0	0	91	0	0	570	0	0	570
1475+50.000	147550.00	50.00	55	0	0	97	0	0	667	0	0	667
1476+00.000	147600.00	50.00	60	0	0	106	0	0	774	0	0	774
1476+50.000	147650.00	50.00	73	0	0	123	0	0	897	0	0	897
1477+00.000	147700.00	50.00	63	0	0	126	0	0	1023	0	0	1023
1477+50.000	147750.00	50.00	33	0	0	88	0	0	1111	0	0	1111
1478+00.000	147800.00	50.00	26	0	0	54	0	0	1165	0	0	1165
1478+50.000	147850.00	50.00	23	0	0	45	0	0	1210	0	0	1210
1479+00.000	147900.00	50.00	16	0	0	36	0	0	1247	0	0	1247
1479+50.000	147950.00	50.00	16	0	0	29	0	0	1276	0	0	1276
1480+00.000	148000.00	50.00	14	0	0	28	0	0	1303	0	0	1303
1480+50.000	148050.00	50.00	20	1	0	31	1	0	1335	1	0	1334
1481+00.000	148100.00	50.00	17	0	0	34	1	0	1368	2	0	1366
1481+50.000	148150.00	50.00	25	1	0	39	1	0	1407	3	0	1404
1482+00.000	148200.00	50.00	24	1	0	45	2	0	1452	5	0	1447
1482+50.000	148250.00	50.00	20	0	0	41	1	0	1493	6	0	1487
1483+00.000	148300.00	50.00	14	0	0	31	0	0	1524	6	0	1517
1483+50.000	148350.00	50.00	5	3	0	17	3	0	1541	9	0	1532
1484+00.000	148400.00	50.00	2	8	0	6	10	0	1547	19	0	1528
1484+50.000	148450.00	50.00	0	18	0	18	24	0	1549	44	0	1506
1485+00.000	148500.00	50.00	0	22	0	0	36	0	1550	80	0	1470
1485+50.000	148550.00	50.00	0	21	0	0	40	0	1550	120	0	1430
1486+00.000	148600.00	50.00	0	29	0	0	47	0	1550	166	0	1383
1486+50.000	148650.00	50.00	0	28	0	0	53	0	1550	219	0	1331
1487+00.000	148700.00	50.00	0	24	0	0	47	0	1550	267	0	1283
1487+50.000	148750.00	50.00	0	15	0	0	36	0	1550	303	0	1247
1487+89.800	148789.80	39.80	0	6	0	0	16	0	1550	319	0	1231
Column totals			1,550	319	0	0	0	0	0	0	0	0

Addendum No. 02
ID 1229-04-76
New Sheet 2002A
November 1, 2021

PROJECT NO: 1229-04-76

HWY: IH 43

COUNTY: OZAUKEE

EARTHWORK DATA

SHEET: 2002A

\\wv\proj\1229-04-76\Drawings\1229-04-76 - North End Mainline\Sheets\Plan\03 Estimate of Quantities\00101_EW.apr PLOT DATE: 10/25/2021 2:00:25 PM PLOT NAME: 000101_LEW32 PLOT SCALE: 1:1

PROJECT 1229-04-76
 IH 43 - 779+03.64 TO 798+02.12 (STAGE 2, NORTH END TEMPORARY CROSSOVER)

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
779+03.636	77903.64	0.00	5	0	0	0	0	0	0	0	0	0
779+50.000	77950.00	46.36	6	0	0	10	0	0	10	0	0	10
780+00.000	78000.00	50.00	8	0	0	13	0	0	23	0	0	23
780+50.000	78050.00	50.00	10	0	0	17	0	0	40	0	0	40
781+00.000	78100.00	50.00	25	0	0	33	0	0	73	0	0	73
781+50.000	78150.00	50.00	27	0	0	49	0	0	121	0	0	121
782+00.000	78200.00	50.00	26	0	0	49	0	0	171	0	0	171
782+50.000	78250.00	50.00	26	0	0	48	0	0	218	0	0	218
783+00.000	78300.00	50.00	18	0	0	40	0	0	258	0	0	258
783+50.000	78350.00	50.00	24	0	0	38	0	0	297	0	0	296
784+00.000	78400.00	50.00	41	0	0	60	0	0	356	0	0	356
784+50.000	78450.00	50.00	44	0	0	79	0	0	435	0	0	435
785+00.000	78500.00	50.00	40	3	0	78	6	0	514	6	0	508
785+50.000	78550.00	50.00	43	3	0	77	5	0	591	11	0	580
786+00.000	78600.00	50.00	38	5	0	75	9	0	666	20	0	646
786+50.000	78650.00	50.00	39	9	0	71	17	0	737	37	0	700
787+00.000	78700.00	50.00	32	19	0	66	36	0	804	72	0	731
787+50.000	78750.00	50.00	18	27	0	46	50	0	850	122	0	728
788+00.000	78800.00	50.00	9	28	0	24	53	0	874	175	0	700
788+50.000	78850.00	50.00	10	29	0	17	53	0	891	228	0	664
789+00.000	78900.00	50.00	13	41	0	21	77	0	912	304	0	608
789+50.000	78950.00	50.00	22	42	0	32	78	0	945	382	0	563
790+00.000	79000.00	50.00	35	26	0	53	48	0	998	430	0	567
790+50.000	79050.00	50.00	42	10	0	71	19	0	1069	450	0	620
791+00.000	79100.00	50.00	52	7	0	86	13	0	1156	463	0	693
791+50.000	79150.00	50.00	48	4	0	92	7	0	1248	469	0	779
792+00.000	79200.00	50.00	51	1	0	92	1	0	1340	470	0	869
792+50.000	79250.00	50.00	47	0	0	91	0	0	1430	470	0	960
793+00.000	79300.00	50.00	46	0	0	86	0	0	1516	471	0	1046
793+50.000	79350.00	50.00	42	0	0	81	0	0	1597	471	0	1127
794+00.000	79400.00	50.00	36	0	0	72	0	0	1669	471	0	1199
794+50.000	79450.00	50.00	32	0	0	63	0	0	1732	471	0	1261
795+00.000	79500.00	50.00	28	0	0	55	0	0	1787	471	0	1317
795+50.000	79550.00	50.00	23	0	0	47	0	0	1834	471	0	1364
796+00.000	79600.00	50.00	21	0	0	41	0	0	1875	471	0	1404
796+50.000	79650.00	50.00	11	0	0	29	0	0	1904	471	0	1434
797+00.000	79700.00	50.00	9	0	0	19	0	0	1923	471	0	1453
797+50.000	79750.00	50.00	8	0	0	16	0	0	1939	471	0	1469
798+00.000	79800.00	50.00	8	0	0	15	0	0	1954	471	0	1484
798+02.116	79802.12	2.12	8	0	0	1	0	0	1955	471	0	1484
Column totals			1,955	471	0	1,955	471	0	1,955	471	0	1,484

Addendum No. 02
 ID 1229-04-76
 New Sheet 2002B
 November 1, 2021



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0105 Clearing	363.000 STA	_____.	_____.
0004	201.0120 Clearing	390.000 ID	_____.	_____.
0006	201.0205 Grubbing	363.000 STA	_____.	_____.
0008	201.0220 Grubbing	390.000 ID	_____.	_____.
0010	203.0100 Removing Small Pipe Culverts	22.000 EACH	_____.	_____.
0012	203.0211.S Abatement of Asbestos Containing Material (structure) 4000. B-45-24	1.000 EACH	_____.	_____.
0014	203.0211.S Abatement of Asbestos Containing Material (structure) 4001. B-45-22	1.000 EACH	_____.	_____.
0016	203.0211.S Abatement of Asbestos Containing Material (structure) 4002. B-45-23	1.000 EACH	_____.	_____.
0018	203.0211.S Abatement of Asbestos Containing Material (structure) 4003. B-45-24	1.000 EACH	_____.	_____.
0020	203.0211.S Abatement of Asbestos Containing Material (structure) 4004. B-45-25	1.000 EACH	_____.	_____.
0022	203.0220 Removing Structure (structure) 4000. B-45-24	1.000 EACH	_____.	_____.
0024	203.0220 Removing Structure (structure) 4001. B-45-22	1.000 EACH	_____.	_____.
0026	203.0220 Removing Structure (structure) 4002. B-45-25	1.000 EACH	_____.	_____.
0028	203.0220 Removing Structure (structure) 4003. B-45-21	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0030	203.0220 Removing Structure (structure) 4004. B-45-24	1.000 EACH	_____.	_____.
0032	203.0220 Removing Structure (structure) 4005. B-45-23	1.000 EACH	_____.	_____.
0034	203.0220 Removing Structure (structure) 4006. B-45-28	1.000 EACH	_____.	_____.
0036	203.0330 Debris Containment (structure) 4001. B-45-21	1.000 EACH	_____.	_____.
0038	204.0100 Removing Concrete Pavement	174,860.000 SY	_____.	_____.
0040	204.0109.S Removing Concrete Surface Partial Depth	50,000.000 SF	_____.	_____.
0042	204.0150 Removing Curb & Gutter	2,655.000 LF	_____.	_____.
0044	204.0157 Removing Concrete Barrier	168.000 LF	_____.	_____.
0046	204.0165 Removing Guardrail	5,331.000 LF	_____.	_____.
0048	204.0170 Removing Fence	58,757.000 LF	_____.	_____.
0050	204.0180 Removing Delineators and Markers	319.000 EACH	_____.	_____.
0052	204.0190 Removing Surface Drains	2.000 EACH	_____.	_____.
0054	204.0195 Removing Concrete Bases	33.000 EACH	_____.	_____.
0056	204.0220 Removing Inlets	91.000 EACH	_____.	_____.
0058	204.0245 Removing Storm Sewer (size) 0001. 12-Inch	318.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	204.0245 Removing Storm Sewer (size) 0002. 15-Inch	308.000 LF	_____.	_____.
0062	204.0245 Removing Storm Sewer (size) 0003. 18-Inch	1,369.000 LF	_____.	_____.
0064	204.0245 Removing Storm Sewer (size) 0004. 24-Inch	115.000 LF	_____.	_____.
0066	204.0245 Removing Storm Sewer (size) 0005. 36-Inch	143.000 LF	_____.	_____.
0068	204.0260 Abandoning Inlets	28.000 EACH	_____.	_____.
0070	204.0265 Abandoning Wells	8.000 EACH	_____.	_____.
0072	204.0280 Sealing Pipes	65.000 EACH	_____.	_____.
0074	204.0291.S Abandoning Sewer	134.000 CY	_____.	_____.
0076	204.9035.S Removing (item description) 0001. Removing Riprap	81.000 CY	_____.	_____.
0078	204.9060.S Removing (item description) 0001. Removing Cable Barrier Terminal	35.000 EACH	_____.	_____.
0080	204.9060.S Removing (item description) 0002. Removing Apron Endwalls	44.000 EACH	_____.	_____.
0082	204.9060.S Removing (item description) 1001. Removing Lighting Units	8.000 EACH	_____.	_____.
0084	204.9060.S Removing (item description) 3101. Removing Traffic Signals CTH W & Highland Rd	1.000 EACH	_____.	_____.
0086	204.9060.S Removing (item description) 3102. Removing Traffic Signals Cth C & Cth W	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0088	204.9060.S Removing (item description) 3103. Removing Traffic Signals IH 43 NB Ramps & Cth C	1.000 EACH	_____.	_____.
0090	204.9060.S Removing (item description) 3104. Removing Loop Detector Wire & Lead in Cable CTH W & Highland Rd	1.000 EACH	_____.	_____.
0092	204.9060.S Removing (item description) 3105. Removing Loop Detector Wire and Lead- In Cable Cth C & Cth W	1.000 EACH	_____.	_____.
0094	204.9060.S Removing (item description) 3106. Removing Loop Detector Wire & Lead-In Cable IH 43 NB Ramps & CTH C	1.000 EACH	_____.	_____.
0096	204.9090.S Removing (item description) 0001. Removing Cable Barrier	30,972.000 LF	_____.	_____.
0098	204.9090.S Removing (item description) 0002. Removing Draintile	2,000.000 LF	_____.	_____.
0100	204.9090.S Removing (item description) 0003. Removing Underdrain	65,000.000 LF	_____.	_____.
0102	204.9090.S Removing (item description) 0005. Removing Temporary Precast Trench Drain	2,957.000 LF	_____.	_____.
0104	205.0100 Excavation Common	429,318.000 CY	_____.	_____.
0106	205.3000.S Temporary Emergency Pullouts	7.000 EACH	_____.	_____.
0108	206.1000 Excavation for Structures Bridges (structure) 0001. B-45-111	LS	LUMP SUM	_____.
0110	206.1000 Excavation for Structures Bridges (structure) 4001. B-45-105	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0112	206.1000 Excavation for Structures Bridges (structure) 4002. B-45-107	LS	LUMP SUM	_____.
0114	206.1000 Excavation for Structures Bridges (structure) 4003. B-45-110	LS	LUMP SUM	_____.
0116	206.1000 Excavation for Structures Bridges (structure) 4004. B-45-108	LS	LUMP SUM	_____.
0118	206.2000 Excavation for Structures Culverts (structure) 4000. B-45-28	LS	LUMP SUM	_____.
0120	206.5000 Cofferdams (structure) 4000. B-45-28	LS	LUMP SUM	_____.
0122	209.0200.S Backfill Controlled Low Strength	2,137.000 CY	_____.	_____.
0124	210.1500 Backfill Structure Type A	3,594.000 TON	_____.	_____.
0126	210.2500 Backfill Structure Type B	22.000 TON	_____.	_____.
0128	213.0100 Finishing Roadway (project) 0001. 1229-04-76	1.000 EACH	_____.	_____.
0130	305.0110 Base Aggregate Dense 3/4-Inch	13,112.000 TON	_____.	_____.
0132	305.0120 Base Aggregate Dense 1 1/4-Inch	367,682.000 TON	_____.	_____.
0134	311.0110 Breaker Run	760,073.000 TON	_____.	_____.
0136	311.0115 Breaker Run	4.000 CY	_____.	_____.
0140	390.0203 Base Patching Asphaltic	15,000.000 SY	_____.	_____.
0142	415.0410 Concrete Pavement Approach Slab	1,144.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0144	416.0170 Concrete Driveway 7-Inch	61.000 SY	_____.	_____.
0146	416.0620 Drilled Dowel Bars	114.000 EACH	_____.	_____.
0148	416.1010 Concrete Surface Drains	17.000 CY	_____.	_____.
0150	416.1110 Concrete Shoulder Rumble Strips	113,095.000 LF	_____.	_____.
0152	450.1100.S Asphaltic Mixture For Extreme Conditions	400.000 TON	_____.	_____.
0154	455.0605 Tack Coat	16,429.000 GAL	_____.	_____.
0156	460.2000 Incentive Density HMA Pavement	41,934.000 DOL	1.00000	41,934.00
0158	460.6223 HMA Pavement 3 MT 58-28 S	36,806.000 TON	_____.	_____.
0160	460.6224 HMA Pavement 4 MT 58-28 S	15,524.000 TON	_____.	_____.
0162	465.0120 Asphaltic Surface Driveways and Field Entrances	197.000 TON	_____.	_____.
0164	465.0125 Asphaltic Surface Temporary	13,367.000 TON	_____.	_____.
0166	465.0315 Asphaltic Flumes	156.000 SY	_____.	_____.
0168	495.1000.S Cold patch	100.000 TON	_____.	_____.
0170	501.1000.S Ice Hot Weather Concreting	69,343.000 LB	_____.	_____.
0172	502.0100 Concrete Masonry Bridges	1,294.000 CY	_____.	_____.
0174	502.3200 Protective Surface Treatment	8,520.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0176	502.3210 Pigmented Surface Sealer	2,254.000 SY	_____.	_____.
0178	503.0137 Prestressed Girder Type I 36W-Inch	4,197.000 LF	_____.	_____.
0180	503.0146 Prestressed Girder Type I 45W-Inch	4,160.000 LF	_____.	_____.
0182	504.0100 Concrete Masonry Culverts	6.000 CY	_____.	_____.
0184	504.0500 Concrete Masonry Retaining Walls	1,392.000 CY	_____.	_____.
0186	505.0400 Bar Steel Reinforcement HS Structures	69,655.000 LB	_____.	_____.
0188	505.0600 Bar Steel Reinforcement HS Coated Structures	848,410.000 LB	_____.	_____.
0190	505.0800.S Bar Steel Reinforcement HS Stainless Structures	8,760.000 LB	_____.	_____.
0192	506.2605 Bearing Pads Elastomeric Non-Laminated	174.000 EACH	_____.	_____.
0194	506.4000 Steel Diaphragms (structure) 0001. B-45-111	14.000 EACH	_____.	_____.
0196	506.4000 Steel Diaphragms (structure) 4000. B-45-105	28.000 EACH	_____.	_____.
0198	506.4000 Steel Diaphragms (structure) 4001. B-45-108	32.000 EACH	_____.	_____.
0200	506.4000 Steel Diaphragms (structure) 4002. B-45-107	32.000 EACH	_____.	_____.
0202	506.4000 Steel Diaphragms (structure) 4003. B-45-110	14.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0204	506.4000 Steel Diaphragms (structure) 4004. B-45-109	36.000 EACH	_____.	_____.
0206	509.5100.S Polymer Overlay	1,142.000 SY	_____.	_____.
0208	511.1100 Temporary Shoring	15,775.000 SF	_____.	_____.
0210	511.1200 Temporary Shoring (structure) 4000. B-45-28	200.000 SF	_____.	_____.
0212	511.1200 Temporary Shoring (structure) 4001. R-45-23	1,070.000 SF	_____.	_____.
0214	511.1200 Temporary Shoring (structure) 4002. R-45-26	1,070.000 SF	_____.	_____.
0216	513.2001 Railing Pipe	4,171.000 LF	_____.	_____.
0218	513.4091 Railing Tubular Screening	948.000 LF	_____.	_____.
0220	516.0500 Rubberized Membrane Waterproofing	352.000 SY	_____.	_____.
0222	520.8000 Concrete Collars for Pipe	309.000 EACH	_____.	_____.
0224	522.0118 Culvert Pipe Reinforced Concrete Class III 18-Inch	61.000 LF	_____.	_____.
0226	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	715.000 LF	_____.	_____.
0228	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch	235.000 LF	_____.	_____.
0230	522.0136 Culvert Pipe Reinforced Concrete Class III 36-Inch	363.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0232	522.0142 Culvert Pipe Reinforced Concrete Class III 42-Inch	129.000 LF	_____.	_____.
0234	522.0415 Culvert Pipe Reinforced Concrete Class IV 15-Inch	77.000 LF	_____.	_____.
0236	522.0424 Culvert Pipe Reinforced Concrete Class IV 24-Inch	397.000 LF	_____.	_____.
0238	522.0430 Culvert Pipe Reinforced Concrete Class IV 30-Inch	418.000 LF	_____.	_____.
0240	522.0524 Culvert Pipe Reinforced Concrete Class V 24-Inch	240.000 LF	_____.	_____.
0242	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	11.000 EACH	_____.	_____.
0244	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	70.000 EACH	_____.	_____.
0246	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	46.000 EACH	_____.	_____.
0248	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	28.000 EACH	_____.	_____.
0250	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	27.000 EACH	_____.	_____.
0252	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	4.000 EACH	_____.	_____.
0254	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	4.000 EACH	_____.	_____.
0256	522.1060 Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0258	522.2338 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	404.000 LF	_____.	_____.
0260	522.2429 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	336.000 LF	_____.	_____.
0262	522.2434 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	339.000 LF	_____.	_____.
0264	522.2629 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	4.000 EACH	_____.	_____.
0266	522.2634 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 34x53-Inch	5.000 EACH	_____.	_____.
0268	522.2638 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 38x60-Inch	4.000 EACH	_____.	_____.
0270	531.1100 Concrete Masonry Ancillary Structures Type NS	39.000 CY	_____.	_____.
0272	531.1140 Steel Reinforcement HS Ancillary Structures Type NS	5,000.000 LB	_____.	_____.
0274	531.2024 Drilling Shaft 24-Inch	240.000 LF	_____.	_____.
0276	531.2030 Drilling Shaft 30-Inch	26.000 LF	_____.	_____.
0278	531.2036 Drilling Shaft 36-Inch	296.000 LF	_____.	_____.
0280	531.4050 Foundation Camera Pole 50-FT	3.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0282	531.5220 Foundation Single-Shaft Type MF-II (structure) 1000. S-45-0225	2.000 EACH	_____.	_____.
0284	531.5310 Foundation Single-Shaft Type TC-I (structure) 1000. S-45-223	1.000 EACH	_____.	_____.
0286	531.6010 Foundation Two-Shaft Type FC-I (structure) 5000. S-45-008	1.000 EACH	_____.	_____.
0288	531.6010 Foundation Two-Shaft Type FC-I (structure) 6000. S-45-0009	1.000 EACH	_____.	_____.
0290	531.6010 Foundation Two-Shaft Type FC-I (structure) 7000. S-45-0010	1.000 EACH	_____.	_____.
0292	531.6010 Foundation Two-Shaft Type FC-I (structure) 8000. S-45-0011	1.000 EACH	_____.	_____.
0294	531.6010 Foundation Two-Shaft Type FC-I (structure) 9000. S-45-0012	1.000 EACH	_____.	_____.
0296	531.6120 Foundation Two-Shaft Type FF-II (structure) 1000. S-45-403	1.000 EACH	_____.	_____.
0298	532.5220 Monotube Full Span Type II (structure) 1001. S-45-0225	1.000 EACH	_____.	_____.
0300	532.5310 Truss Cantilever 2-Chord Type I (structure) 1001. S-45-223	1.000 EACH	_____.	_____.
0302	532.6010 Truss Cantilever 4-Chord Type I (structure) 5001. S-45-008	1.000 EACH	_____.	_____.
0304	532.6010 Truss Cantilever 4-Chord Type I (structure) 6001. S-45-0009	1.000 EACH	_____.	_____.
0306	532.6010 Truss Cantilever 4-Chord Type I (structure) 7001. S-45-0010	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
0308	532.6010 Truss Cantilever 4-Chord Type I (structure) 8001. S-45-0011	1.000 EACH	_____.	_____.
0310	532.6010 Truss Cantilever 4-Chord Type I (structure) 9001. S-45-0012	1.000 EACH	_____.	_____.
0312	532.6120 Truss Full Span 4-Chord Type II (structure) 1001. S-45-403	1.000 EACH	_____.	_____.
0314	541.0300.S Noise Barriers Double-Sided Sound Absorptive (structure) 5000. N-45-004	56,910.000 SF	_____.	_____.
0316	550.0010 Pre-Boring Unconsolidated Materials	21.000 LF	_____.	_____.
0318	550.0500 Pile Points	52.000 EACH	_____.	_____.
0320	550.1120 Piling Steel HP 12-Inch X 53 Lb	3,780.000 LF	_____.	_____.
0322	550.2126 Piling CIP Concrete 12 3/4 X 0.375-Inch	13,380.000 LF	_____.	_____.
0324	550.2128 Piling CIP Concrete 12 3/4 X 0.50-Inch	2,600.000 LF	_____.	_____.
0326	601.0409 Concrete Curb & Gutter 30-Inch Type A	731.000 LF	_____.	_____.
0328	601.0411 Concrete Curb & Gutter 30-Inch Type D	11,604.000 LF	_____.	_____.
0330	601.0555 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	200.000 LF	_____.	_____.
0332	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	277.000 LF	_____.	_____.
0334	601.0590 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBTT	403.000 LF	_____.	_____.
0336	601.0600 Concrete Curb Pedestrian	24.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0338	602.0410 Concrete Sidewalk 5-Inch	25,312.000 SF	_____.	_____.
0340	602.0415 Concrete Sidewalk 6-Inch	2,056.000 SF	_____.	_____.
0342	602.0505 Curb Ramp Detectable Warning Field Yellow	146.000 SF	_____.	_____.
0344	602.0605 Curb Ramp Detectable Warning Field Radial Yellow	107.000 SF	_____.	_____.
0346	603.1442 Concrete Barrier Type S42C	275.000 LF	_____.	_____.
0348	603.1456 Concrete Barrier Type S56C	98.000 LF	_____.	_____.
0350	603.3559 Concrete Barrier Transition Type S42 to S56	8.000 EACH	_____.	_____.
0352	603.3655 Concrete Barrier Transition Type V42 to S42	6.000 EACH	_____.	_____.
0354	603.8000 Concrete Barrier Temporary Precast Delivered	226,725.000 LF	_____.	_____.
0356	603.8125 Concrete Barrier Temporary Precast Installed	292,575.000 LF	_____.	_____.
0358	603.8500 Anchoring Concrete Barrier Temporary Precast	106,850.000 LF	_____.	_____.
0360	603.8505 Anchoring Concrete Barrier Temporary Precast on Bridge Decks	100.000 LF	_____.	_____.
0362	604.0400 Slope Paving Concrete	740.000 SY	_____.	_____.
0364	604.0500 Slope Paving Crushed Aggregate	939.000 SY	_____.	_____.
0366	606.0200 Riprap Medium	1,109.000 CY	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0368	606.0300 Riprap Heavy	6.000 CY	_____.	_____.
0370	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	1,119.000 LF	_____.	_____.
0372	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	2,651.000 LF	_____.	_____.
0374	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	4,628.000 LF	_____.	_____.
0376	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	575.000 LF	_____.	_____.
0378	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	1,482.000 LF	_____.	_____.
0380	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	24.000 LF	_____.	_____.
0382	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	392.000 LF	_____.	_____.
0384	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	48.000 LF	_____.	_____.
0386	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	6,482.000 LF	_____.	_____.
0388	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	2,750.000 LF	_____.	_____.
0390	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	767.000 LF	_____.	_____.
0392	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	287.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0394	608.0448 Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	16.000 LF	_____.	_____.
0396	608.0512 Storm Sewer Pipe Reinforced Concrete Class V 12-Inch	2,000.000 LF	_____.	_____.
0398	608.0536 Storm Sewer Pipe Reinforced Concrete Class V 36-Inch	916.000 LF	_____.	_____.
0400	608.0560 Storm Sewer Pipe Reinforced Concrete Class V 60-Inch	458.000 LF	_____.	_____.
0402	608.2434 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	386.000 LF	_____.	_____.
0404	611.0530 Manhole Covers Type J	6.000 EACH	_____.	_____.
0406	611.0535 Manhole Covers Type J-Special	46.000 EACH	_____.	_____.
0408	611.0606 Inlet Covers Type B	4.000 EACH	_____.	_____.
0410	611.0610 Inlet Covers Type BW	53.000 EACH	_____.	_____.
0412	611.0612 Inlet Covers Type C	10.000 EACH	_____.	_____.
0414	611.0624 Inlet Covers Type H	50.000 EACH	_____.	_____.
0416	611.0639 Inlet Covers Type H-S	8.000 EACH	_____.	_____.
0418	611.0642 Inlet Covers Type MS	350.000 EACH	_____.	_____.
0420	611.2004 Manholes 4-FT Diameter	11.000 EACH	_____.	_____.
0422	611.2005 Manholes 5-FT Diameter	37.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0424	611.2006 Manholes 6-FT Diameter	10.000 EACH	_____.	_____.
0426	611.2007 Manholes 7-FT Diameter	4.000 EACH	_____.	_____.
0428	611.2008 Manholes 8-FT Diameter	1.000 EACH	_____.	_____.
0430	611.3004 Inlets 4-FT Diameter	65.000 EACH	_____.	_____.
0432	611.3220 Inlets 2x2-FT	4.000 EACH	_____.	_____.
0434	611.3225 Inlets 2x2.5-FT	8.000 EACH	_____.	_____.
0436	611.3230 Inlets 2x3-FT	16.000 EACH	_____.	_____.
0438	611.3902 Inlets Median 2 Grate	175.000 EACH	_____.	_____.
0440	611.8120.S Cover Plates Temporary	40.000 EACH	_____.	_____.
0442	612.0106 Pipe Underdrain 6-Inch	100,628.000 LF	_____.	_____.
0444	612.0206 Pipe Underdrain Unperforated 6-Inch	8,031.000 LF	_____.	_____.
0446	612.0406 Pipe Underdrain Wrapped 6-Inch	40,101.000 LF	_____.	_____.
0448	612.0700 Drain Tile Exploration	2,000.000 LF	_____.	_____.
0450	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	421.000 EACH	_____.	_____.
0452	613.1100.S Cable Barrier Type 1	2,900.000 LF	_____.	_____.
0454	613.1200.S Cable Barrier End Terminal Type 1	5.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0456	614.0150 Anchor Assemblies for Steel Plate Beam Guard	12.000 EACH	_____.	_____.
0458	614.0395 Guardrail Mow Strip Concrete	187.000 SY	_____.	_____.
0460	614.0800 Crash Cushions Permanent	2.000 EACH	_____.	_____.
0462	614.0905 Crash Cushions Temporary	46.000 EACH	_____.	_____.
0464	614.2300 MGS Guardrail 3	58,586.000 LF	_____.	_____.
0466	614.2340 MGS Guardrail 3 L	850.000 LF	_____.	_____.
0468	614.2500 MGS Thrie Beam Transition	924.000 LF	_____.	_____.
0470	614.2610 MGS Guardrail Terminal EAT	30.000 EACH	_____.	_____.
0472	614.2620 MGS Guardrail Terminal Type 2	14.000 EACH	_____.	_____.
0474	616.0100 Fence Woven Wire (height) 0001. 5-Foot	54,882.000 LF	_____.	_____.
0476	616.0329 Gates Chain Link (width) 0001. 12-Foot	5.000 EACH	_____.	_____.
0478	616.0700.S Fence Safety	15,000.000 LF	_____.	_____.
0480	618.0100 Maintenance And Repair of Haul Roads (project) 0001. 1229-04-76	1.000 EACH	_____.	_____.
0482	619.1000 Mobilization	1.000 EACH	_____.	_____.
0484	620.0200 Concrete Median Blunt Nose	100.000 SF	_____.	_____.
0486	620.0300 Concrete Median Sloped Nose	1,973.000 SF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0488	624.0100 Water	11,600.000 MGAL	_____.	_____.
0490	627.0200 Mulching	60,000.000 SY	_____.	_____.
0492	628.1104 Erosion Bales	1,000.000 EACH	_____.	_____.
0494	628.1504 Silt Fence	70,029.000 LF	_____.	_____.
0496	628.1520 Silt Fence Maintenance	70,029.000 LF	_____.	_____.
0498	628.1905 Mobilizations Erosion Control	4.000 EACH	_____.	_____.
0500	628.1910 Mobilizations Emergency Erosion Control	8.000 EACH	_____.	_____.
0502	628.2008 Erosion Mat Urban Class I Type B	10,973.000 SY	_____.	_____.
0504	628.2023 Erosion Mat Class II Type B	618,380.000 SY	_____.	_____.
0506	628.6510 Soil Stabilizer Type B	14.000 ACRE	_____.	_____.
0508	628.7005 Inlet Protection Type A	285.000 EACH	_____.	_____.
0510	628.7010 Inlet Protection Type B	66.000 EACH	_____.	_____.
0512	628.7015 Inlet Protection Type C	50.000 EACH	_____.	_____.
0514	628.7020 Inlet Protection Type D	9.000 EACH	_____.	_____.
0516	628.7504 Temporary Ditch Checks	12,034.000 LF	_____.	_____.
0518	628.7515.S Stone Ditch Checks	30.000 CY	_____.	_____.
0520	628.7555 Culvert Pipe Checks	312.000 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
0522	628.7560 Tracking Pads	8.000 EACH	_____.	_____.
0524	628.7570 Rock Bags	500.000 EACH	_____.	_____.
0526	629.0210 Fertilizer Type B	389.000 CWT	_____.	_____.
0528	630.0120 Seeding Mixture No. 20	619.000 LB	_____.	_____.
0530	630.0200 Seeding Temporary	12,640.000 LB	_____.	_____.
0532	630.0500 Seed Water	3,820.000 MGAL	_____.	_____.
0534	631.1000 Sod Lawn	4,211.000 SY	_____.	_____.
0536	632.0201 Shrubs (species) (size) (root) 0001. Ninebark, CG, 1.5-Ft	350.000 EACH	_____.	_____.
0538	632.0201 Shrubs (species) (size) (root) 0002. Redosier Dogwood, CG, 1.5-Ft	350.000 EACH	_____.	_____.
0540	632.0201 Shrubs (species) (size) (root) 0003. Filbert, CG, 1.5-Ft	350.000 EACH	_____.	_____.
0542	632.9101 Landscape Planting Surveillance and Care Cycles	26.000 EACH	_____.	_____.
0544	633.0100 Delineator Posts Steel	268.000 EACH	_____.	_____.
0546	633.0500 Delineator Reflectors	268.000 EACH	_____.	_____.
0548	633.1000 Delineators Barrier Wall	118.000 EACH	_____.	_____.
0550	633.5200 Markers Culvert End	204.000 EACH	_____.	_____.
0552	634.0618 Posts Wood 4x6-Inch X 18-FT	195.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0554	634.0622 Posts Wood 4x6-Inch X 22-FT	106.000 EACH	_____.	_____.
0556	634.0814 Posts Tubular Steel 2x2-Inch X 14-FT	71.000 EACH	_____.	_____.
0558	634.0885 Posts Tubular Steel 2x2-Inch X 8.5-FT	6.000 EACH	_____.	_____.
0560	635.0200 Sign Supports Structural Steel HS	22,100.000 LB	_____.	_____.
0562	637.1220 Signs Type I Reflective SH	3,174.500 SF	_____.	_____.
0564	637.2210 Signs Type II Reflective H	3,378.720 SF	_____.	_____.
0566	637.2215 Signs Type II Reflective H Folding	185.660 SF	_____.	_____.
0568	637.2230 Signs Type II Reflective F	669.000 SF	_____.	_____.
0570	638.2101 Moving Signs Type I	3.000 EACH	_____.	_____.
0572	638.2102 Moving Signs Type II	1.000 EACH	_____.	_____.
0574	638.2601 Removing Signs Type I	21.000 EACH	_____.	_____.
0576	638.2602 Removing Signs Type II	247.000 EACH	_____.	_____.
0578	638.3000 Removing Small Sign Supports	279.000 EACH	_____.	_____.
0580	638.3100 Removing Structural Steel Sign Supports	42.000 EACH	_____.	_____.
0582	643.0300 Traffic Control Drums	184,193.000 DAY	_____.	_____.
0584	643.0420 Traffic Control Barricades Type III	35,395.000 DAY	_____.	_____.
0586	643.0705 Traffic Control Warning Lights Type A	70,789.000 DAY	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0588	643.0715 Traffic Control Warning Lights Type C	18,755.000 DAY	_____.	_____.
0590	643.0800 Traffic Control Arrow Boards	2,331.000 DAY	_____.	_____.
0592	643.0900 Traffic Control Signs	191,223.000 DAY	_____.	_____.
0594	643.0910 Traffic Control Covering Signs Type I	11.000 EACH	_____.	_____.
0596	643.0920 Traffic Control Covering Signs Type II	1,558.000 EACH	_____.	_____.
0598	643.1000 Traffic Control Signs Fixed Message	1,867.000 SF	_____.	_____.
0600	643.1050 Traffic Control Signs PCMS	1,438.000 DAY	_____.	_____.
0602	643.1055.S Truck or Trailer Mounted Attenuator	200.000 DAY	_____.	_____.
0604	643.1205.S Basic Traffic Queue Warning System	300.000 DAY	_____.	_____.
0606	643.4100.S Traffic Control Interim Lane Closure	200.000 EACH	_____.	_____.
0608	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0610	645.0111 Geotextile Type DF Schedule A	66,830.000 SY	_____.	_____.
0612	645.0120 Geotextile Type HR	1,550.000 SY	_____.	_____.
0614	645.0130 Geotextile Type R	600.000 SY	_____.	_____.
0616	645.0140 Geotextile Type SAS	20,150.000 SY	_____.	_____.
0618	645.0220 Geogrid Type SR	102,885.000 SY	_____.	_____.
0620	646.1020 Marking Line Epoxy 4-Inch	55,468.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0622	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	101,740.000 LF	_____.	_____.
0624	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	12,725.000 LF	_____.	_____.
0626	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	26,859.000 LF	_____.	_____.
0628	646.3020 Marking Line Epoxy 8-Inch	7,114.000 LF	_____.	_____.
0630	646.3555 Marking Line Grooved Contrast Permanent Tape 8-Inch	16,368.000 LF	_____.	_____.
0632	646.5020 Marking Arrow Epoxy	79.000 EACH	_____.	_____.
0634	646.5120 Marking Word Epoxy	13.000 EACH	_____.	_____.
0636	646.5220 Marking Symbol Epoxy	24.000 EACH	_____.	_____.
0638	646.5320 Marking Railroad Crossings Epoxy	5.000 EACH	_____.	_____.
0640	646.6120 Marking Stop Line Epoxy 18-Inch	547.000 LF	_____.	_____.
0642	646.6220 Marking Yield Line Epoxy 18-Inch	57.000 EACH	_____.	_____.
0644	646.6464 Cold Weather Marking Epoxy 4-Inch	20,000.000 LF	_____.	_____.
0646	646.6468 Cold Weather Marking Epoxy 8-Inch	2,000.000 LF	_____.	_____.
0648	646.7120 Marking Diagonal Epoxy 12-Inch	321.000 LF	_____.	_____.
0650	646.7220 Marking Chevron Epoxy 24-Inch	1,032.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0652	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	611.000 LF	_____.	_____.
0654	646.8120 Marking Curb Epoxy	412.000 LF	_____.	_____.
0656	646.8220 Marking Island Nose Epoxy	20.000 EACH	_____.	_____.
0658	646.9000 Marking Removal Line 4-Inch	41,525.000 LF	_____.	_____.
0660	646.9010 Marking Removal Line Water Blasting 4-Inch	4,994.000 LF	_____.	_____.
0662	646.9055 Marking Removal Line Grooved Contrast Permanent Tape 4-Inch	9,791.000 LF	_____.	_____.
0664	646.9100 Marking Removal Line 8-Inch	500.000 LF	_____.	_____.
0666	646.9155 Marking Removal Line Grooved Contrast Permanent Tape 8-Inch	2,338.000 LF	_____.	_____.
0668	646.9310 Marking Removal Special Marking Water Blasting	5.000 EACH	_____.	_____.
0670	649.0105 Temporary Marking Line Paint 4-Inch	5,085.000 LF	_____.	_____.
0672	649.0120 Temporary Marking Line Epoxy 4-Inch	459,311.000 LF	_____.	_____.
0674	649.0220 Temporary Marking Line Epoxy 8-Inch	6,650.000 LF	_____.	_____.
0676	649.0760 Temporary Marking Raised Pavement Marker Type I	10,956.000 EACH	_____.	_____.
0678	652.0125 Conduit Rigid Metallic 2-Inch	147.000 LF	_____.	_____.
0680	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	16,220.000 LF	_____.	_____.



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0682	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	3,062.000 LF	_____.	_____.
0684	652.0240 Conduit Rigid Nonmetallic Schedule 40 4-Inch	840.000 LF	_____.	_____.
0686	652.0605 Conduit Special 2-Inch	1,470.000 LF	_____.	_____.
0688	652.0615 Conduit Special 3-Inch	341.000 LF	_____.	_____.
0690	652.0700.S Install Conduit into Existing Item	2.000 EACH	_____.	_____.
0692	652.0800 Conduit Loop Detector	1,413.000 LF	_____.	_____.
0694	653.0135 Pull Boxes Steel 24x36-Inch	11.000 EACH	_____.	_____.
0696	653.0140 Pull Boxes Steel 24x42-Inch	60.000 EACH	_____.	_____.
0698	653.0220 Junction Boxes 18x6x6-Inch	4.000 EACH	_____.	_____.
0700	653.0222 Junction Boxes 18x12x6-Inch	2.000 EACH	_____.	_____.
0702	653.0905 Removing Pull Boxes	59.000 EACH	_____.	_____.
0704	654.0101 Concrete Bases Type 1	5.000 EACH	_____.	_____.
0706	654.0102 Concrete Bases Type 2	9.000 EACH	_____.	_____.
0708	654.0105 Concrete Bases Type 5	39.000 EACH	_____.	_____.
0710	654.0106 Concrete Bases Type 6	11.000 EACH	_____.	_____.
0712	654.0110 Concrete Bases Type 10	3.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0714	654.0217 Concrete Control Cabinet Bases Type 9 Special	1.000 EACH	_____.	_____.
0716	654.0230 Concrete Control Cabinet Bases Type L30	3.000 EACH	_____.	_____.
0718	655.0210 Cable Traffic Signal 3-14 AWG	2,810.000 LF	_____.	_____.
0720	655.0230 Cable Traffic Signal 5-14 AWG	594.000 LF	_____.	_____.
0722	655.0240 Cable Traffic Signal 7-14 AWG	3,231.000 LF	_____.	_____.
0724	655.0260 Cable Traffic Signal 12-14 AWG	1,406.000 LF	_____.	_____.
0726	655.0270 Cable Traffic Signal 15-14 AWG	156.000 LF	_____.	_____.
0728	655.0320 Cable Type UF 2-10 AWG Grounded	2,307.000 LF	_____.	_____.
0730	655.0510 Electrical Wire Traffic Signals 12 AWG	1,043.000 LF	_____.	_____.
0732	655.0515 Electrical Wire Traffic Signals 10 AWG	39,831.000 LF	_____.	_____.
0734	655.0610 Electrical Wire Lighting 12 AWG	5,313.000 LF	_____.	_____.
0736	655.0620 Electrical Wire Lighting 8 AWG	4,878.000 LF	_____.	_____.
0738	655.0625 Electrical Wire Lighting 6 AWG	15,539.000 LF	_____.	_____.
0740	655.0635 Electrical Wire Lighting 2 AWG	440.000 LF	_____.	_____.
0742	655.0700 Loop Detector Lead In Cable	6,654.000 LF	_____.	_____.
0744	655.0800 Loop Detector Wire	5,212.000 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
0746	655.0900 Traffic Signal EVP Detector Cable	2,810.000 LF	_____.	_____.
0748	656.0200 Electrical Service Meter Breaker Pedestal (location) 2001. SDS450058	LS	LUMP SUM	_____.
0750	656.0200 Electrical Service Meter Breaker Pedestal (location) 2002. CCTV450239	LS	LUMP SUM	_____.
0752	656.0200 Electrical Service Meter Breaker Pedestal (location) 2003. SDS450060	LS	LUMP SUM	_____.
0754	656.0200 Electrical Service Meter Breaker Pedestal (location) 2004. CCTV450240	LS	LUMP SUM	_____.
0756	656.0200 Electrical Service Meter Breaker Pedestal (location) 2005. DMS450038	LS	LUMP SUM	_____.
0758	656.0200 Electrical Service Meter Breaker Pedestal (location) 2006. CS450001	LS	LUMP SUM	_____.
0760	656.0200 Electrical Service Meter Breaker Pedestal (location) 2007. CCTV450141	LS	LUMP SUM	_____.
0762	656.0200 Electrical Service Meter Breaker Pedestal (location) 3101. CTH W & Highland Rd	LS	LUMP SUM	_____.
0764	656.0200 Electrical Service Meter Breaker Pedestal (location) 3102. IH 43 NB Ramps & CTH C	LS	LUMP SUM	_____.
0766	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1001. HL-45-HL	LS	LUMP SUM	_____.
0768	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1002. HL-40-PN	LS	LUMP SUM	_____.
0770	656.0400 Electrical Service Main Lugs Only Meter Pedestal (location) 1003. HL-40-UL	LS	LUMP SUM	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0772	656.0500 Electrical Service Breaker Disconnect Box (location) 2001. SDS450058	LS	LUMP SUM	_____.
0774	656.0500 Electrical Service Breaker Disconnect Box (location) 2002. CCTV450239	LS	LUMP SUM	_____.
0776	656.0500 Electrical Service Breaker Disconnect Box (location) 2003. SDS450060	LS	LUMP SUM	_____.
0778	656.0500 Electrical Service Breaker Disconnect Box (location) 2004. CCTV450240	LS	LUMP SUM	_____.
0780	656.0500 Electrical Service Breaker Disconnect Box (location) 2005. DMS450038	LS	LUMP SUM	_____.
0782	656.0500 Electrical Service Breaker Disconnect Box (location) 2006. CS450001	LS	LUMP SUM	_____.
0784	656.0500 Electrical Service Breaker Disconnect Box (location) 2007. CCTV450141	LS	LUMP SUM	_____.
0786	657.0100 Pedestal Bases	6.000 EACH	_____.	_____.
0788	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	49.000 EACH	_____.	_____.
0790	657.0305 Poles Type 2	3.000 EACH	_____.	_____.
0792	657.0310 Poles Type 3	6.000 EACH	_____.	_____.
0794	657.0322 Poles Type 5-Aluminum	32.000 EACH	_____.	_____.
0796	657.0327 Poles Type 6-Aluminum	8.000 EACH	_____.	_____.
0798	657.0420 Traffic Signal Standards Aluminum 13-FT	5.000 EACH	_____.	_____.
0800	657.0425 Traffic Signal Standards Aluminum 15-FT	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
0802	657.0595 Trombone Arms 25-FT	4.000 EACH	_____.	_____.
0804	657.0609 Luminaire Arms Single Member 4-Inch Clamp 6-FT	8.000 EACH	_____.	_____.
0806	657.0610 Luminaire Arms Single Member 4 1/2- Inch Clamp 6-FT	33.000 EACH	_____.	_____.
0808	658.0173 Traffic Signal Face 3S 12-Inch	21.000 EACH	_____.	_____.
0810	658.0174 Traffic Signal Face 4S 12-Inch	7.000 EACH	_____.	_____.
0812	658.0175 Traffic Signal Face 5S 12-Inch	1.000 EACH	_____.	_____.
0814	658.0416 Pedestrian Signal Face 16-Inch	2.000 EACH	_____.	_____.
0816	658.0500 Pedestrian Push Buttons	2.000 EACH	_____.	_____.
0818	658.5069 Signal Mounting Hardware (location) 3101. CTH W & Highland Rd	LS	LUMP SUM	_____.
0820	658.5069 Signal Mounting Hardware (location) 3102. CTH C & CTH W	LS	LUMP SUM	_____.
0822	658.5069 Signal Mounting Hardware (location) 3103. Traffic Signal Mounting Hardware	LS	LUMP SUM	_____.
0824	659.1125 Luminaires Utility LED C	44.000 EACH	_____.	_____.
0826	659.2130 Lighting Control Cabinets 120/240 30- Inch	3.000 EACH	_____.	_____.
0828	661.0200 Temporary Traffic Signals for Intersections (location) 3101. CTH W & Highland Rd	LS	LUMP SUM	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0830	661.0200 Temporary Traffic Signals for Intersections (location) 3102. CTH C & CTH W	LS	LUMP SUM	_____.
0832	661.0300 Generators	2.000 DAY	_____.	_____.
0834	662.1028.S Ramp Closure Gates 28-FT	1.000 EACH	_____.	_____.
0836	662.1032.S Ramp Closure Gates 32-FT	1.000 EACH	_____.	_____.
0838	662.1037.S Ramp Closure Gates 37-FT	1.000 EACH	_____.	_____.
0840	662.1040.S Ramp Closure Gates 40-FT	4.000 EACH	_____.	_____.
0842	670.0100 Field System Integrator 2001. In FTMS	LS	LUMP SUM	_____.
0844	670.0100 Field System Integrator 3101. In Signals	LS	LUMP SUM	_____.
0846	670.0200 ITS Documentation 2001. In FTMS	LS	LUMP SUM	_____.
0848	670.0200 ITS Documentation 3101. In Signals	LS	LUMP SUM	_____.
0850	671.0132 Conduit HDPE 3-Duct 2-Inch	29,435.000 LF	_____.	_____.
0852	671.0232 Conduit HDPE Directional Bore 3-Duct 2-Inch	380.000 LF	_____.	_____.
0854	673.0105 Communication Vault Type 1	28.000 EACH	_____.	_____.
0856	673.0200 Tracer Wire Marker Posts	6.000 EACH	_____.	_____.
0858	673.0225.S Install Pole Mounted Cabinet	5.000 EACH	_____.	_____.
0860	674.0200 Cable Microwave Detector	7,830.000 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
0862	674.0300 Remove Cable	3,610.000 LF	_____.	_____.
0864	675.0300 Install Mounted Controller Microwave Detector Assembly	28.000 EACH	_____.	_____.
0866	677.0150 Install Camera Pole 50-FT	3.000 EACH	_____.	_____.
0868	677.0200 Install Camera Assembly	3.000 EACH	_____.	_____.
0870	678.0006 Install Fiber Optic Cable Outdoor Plant 6-CT	3,188.000 LF	_____.	_____.
0872	678.0072 Install Fiber Optic Cable Outdoor Plant 72-CT	31,515.000 LF	_____.	_____.
0874	678.0100.S Install Overhead Freeway DMS Full Matrix	1.000 EACH	_____.	_____.
0876	678.0200 Fiber Optic Splice Enclosure	1.000 EACH	_____.	_____.
0878	678.0300 Fiber Optic Splice	306.000 EACH	_____.	_____.
0880	678.0400 Fiber Optic Termination	36.000 EACH	_____.	_____.
0882	678.0500 Communication System Testing 2001. In FTMS	LS	LUMP SUM	_____.
0884	678.0500 Communication System Testing 3101. In Signals	LS	LUMP SUM	_____.
0886	678.0600 Install Ethernet Switches	9.000 EACH	_____.	_____.
0888	690.0150 Sawing Asphalt	26,254.000 LF	_____.	_____.
0890	690.0250 Sawing Concrete	53,572.000 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
0892	715.0502 Incentive Strength Concrete Structures	20,000.000 DOL	1.00000	20,000.00
0894	715.0603 Incentive Strength Concrete Barrier	8,510.000 DOL	1.00000	8,510.00
0896	715.0715 Incentive Flexural Strength Concrete Pavement	134,450.000 DOL	1.00000	134,450.00
0898	740.0440 Incentive IRI Ride	181,280.000 DOL	1.00000	181,280.00
0900	801.0117 Railroad Flagging Reimbursement	55,000.000 DOL	1.00000	55,000.00
0902	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0001. Station 206+90PR	1.000 EACH	_____.	_____.
0904	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0002. Station 41+52FS	1.000 EACH	_____.	_____.
0906	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0003. Station 20+00HL	1.000 EACH	_____.	_____.
0908	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0004. Station 1686+50RT	1.000 EACH	_____.	_____.
0910	999.2000.S Installing and Maintaining Bird Deterrent System (station) 0005. Station 1686+50LT	1.000 EACH	_____.	_____.
0912	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	8,400.000 HRS	5.00000	42,000.00
0914	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	17,280.000 HRS	5.00000	86,400.00
0916	SPV.0030 Special 0001. Fertilizer Type B Special	8.000 CWT	_____.	_____.
0918	SPV.0035 Special 0001. Roadway Embankment	488,090.000 CY	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0920	SPV.0035 Special 4000. High Performance Concrete (HPC) Masonry Structures	3,350.000 CY	_____.	_____.
0922	SPV.0045 Special 1001. Truck Entering Warning System	3,000.000 DAY	_____.	_____.
0924	SPV.0045 Special 1002. Combination Work Zone Digital Speed Limit - Speed Feedback Sign Trailer	3,000.000 DAY	_____.	_____.
0926	SPV.0060 Special 0002. Temporary Sediment Traps	20.000 EACH	_____.	_____.
0928	SPV.0060 Special 0003. Sand Bags	500.000 EACH	_____.	_____.
0930	SPV.0060 Special 0005. Concrete Barrier Transition Type M1	4.000 EACH	_____.	_____.
0932	SPV.0060 Special 0006. Concrete Barrier Transition Type M2	1.000 EACH	_____.	_____.
0934	SPV.0060 Special 0007. Concrete Barrier Transition Type M3	1.000 EACH	_____.	_____.
0936	SPV.0060 Special 0008. Marking Contrast Epoxy Special Marking Arrow	2.000 EACH	_____.	_____.
0938	SPV.0060 Special 0011. Maintain & Salvage Traffic Control Signs Left In Place	278.000 EACH	_____.	_____.
0940	SPV.0060 Special 0012. Demolition and Debris Removal Parcel 41	1.000 EACH	_____.	_____.
0942	SPV.0060 Special 0160. Mobilizations Emergency Pavement Repair	10.000 EACH	_____.	_____.
0944	SPV.0060 Special 0601. Baseline CPM Progress Schedule	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
0946	SPV.0060 Special 0602. Monthly CPM Progress Schedule Updates	24.000 EACH	_____.	_____.
0948	SPV.0060 Special 0910. Traffic Control Close-Open Freeway Entrance Ramp	10.000 EACH	_____.	_____.
0950	SPV.0060 Special 0918. Traffic Control Full Freeway Closure	6.000 EACH	_____.	_____.
0952	SPV.0060 Special 0950. Temporary Access Gates	2.000 EACH	_____.	_____.
0954	SPV.0060 Special 0960. Temporary Concrete Barrier Gate 24-Ft	4.000 EACH	_____.	_____.
0956	SPV.0060 Special 0965. Install State Furnished Signs	2.000 EACH	_____.	_____.
0958	SPV.0060 Special 1000. Survey Project 1229-04-76	1.000 EACH	_____.	_____.
0960	SPV.0060 Special 1001. Removing Electrical Service Meter Breaker Pedestal Lighting	3.000 EACH	_____.	_____.
0962	SPV.0060 Special 1002. Maintenance of Lighting System	1.000 EACH	_____.	_____.
0964	SPV.0060 Special 1003. Lighting System Integrator	1.000 EACH	_____.	_____.
0966	SPV.0060 Special 2000. Removing Electrical Service Meter Breaker Pedestal	4.000 EACH	_____.	_____.
0968	SPV.0060 Special 2001. Removing Controller Cabinet	7.000 EACH	_____.	_____.
0970	SPV.0060 Special 2002. Removing Controller Cabinet Base	7.000 EACH	_____.	_____.
0972	SPV.0060 Special 2008. Remove Pole	3.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0974	SPV.0060 Special 2013. Ground Rod	15.000 EACH	_____.	_____.
0976	SPV.0060 Special 2015. Refocus Vehicle Detector Assembly	34.000 EACH	_____.	_____.
0978	SPV.0060 Special 2016. Install Ethernet Radio	2.000 EACH	_____.	_____.
0980	SPV.0060 Special 2020. Install Terminal Server	3.000 EACH	_____.	_____.
0982	SPV.0060 Special 2021. Install State Furnished Pole	3.000 EACH	_____.	_____.
0984	SPV.0060 Special 2022. Remove Tar Sign Assembly	1.000 EACH	_____.	_____.
0986	SPV.0060 Special 2023. Install Cellular Model	4.000 EACH	_____.	_____.
0988	SPV.0060 Special 2024. Loop Detector Protection	6.000 EACH	_____.	_____.
0990	SPV.0060 Special 3001. Install Poles Type 9	1.000 EACH	_____.	_____.
0992	SPV.0060 Special 3002. Install Poles Type 10	2.000 EACH	_____.	_____.
0994	SPV.0060 Special 3008. Install Monotube Arms 20-Ft	2.000 EACH	_____.	_____.
0996	SPV.0060 Special 3009. Install Monotube Arms 25-Ft	1.000 EACH	_____.	_____.
0998	SPV.0060 Special 3019. Install Luminaire Arms Steel 15-Ft	3.000 EACH	_____.	_____.
1000	SPV.0060 Special 3020. Detector Loop Modification	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
1002	SPV.0060 Special 3151. Trnspt & Install State Furn Muni Traf Signal Cabinet CTH W & Highland Rd	1.000 EACH	_____.	_____.
1004	SPV.0060 Special 3152. Trnsp & Install State Furn Traffic Signal Cabinet IH 43 NB Ramps & CTH C	1.000 EACH	_____.	_____.
1006	SPV.0060 Special 3153. Trnsp Traf Signal & Intersection Lighting Mat IH 43 NB Ramps & CTH C	1.000 EACH	_____.	_____.
1008	SPV.0060 Special 3154. Trnsprt & Install S-F FO Cable Pigtail 8-Ct IH 43 NB Ramps & CTH C	1.000 EACH	_____.	_____.
1010	SPV.0060 Special 3155. Trnsprt & Install S-F FO Cable Pigtail 8-Ct IH 43 NB Ramps & STH 60	1.000 EACH	_____.	_____.
1012	SPV.0060 Special 3156. Trnsprt & Install S-F FO Cable Pigtail 8-Ct IH 43 SB Ramps & STH 60	1.000 EACH	_____.	_____.
1014	SPV.0060 Special 3157. Transport & Install S-F Radar Detection System IH 43 NB Ramps & CTH C	1.000 EACH	_____.	_____.
1016	SPV.0060 Special 3158. Multi Sensor Detection System CTH C & CTH W	1.000 EACH	_____.	_____.
1018	SPV.0060 Special 3159. Temp Non-Intrusive Vehicle Det Sys for Intersections, CTH W & Highland Rd	1.000 EACH	_____.	_____.
1020	SPV.0060 Special 3160. Temp Non-Intrusive Vehicle Det Sys for Intersection CTH C & CTH W	1.000 EACH	_____.	_____.
1022	SPV.0060 Special 3161. Covering Traffic Signal Equipment CTH W & Highland Rd	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
1024	SPV.0060 Special 3162. Covering Traffic Signal Equipment CTH C & CTH W	1.000 EACH	_____.	_____.
1026	SPV.0060 Special 3163. Trnspt & Install State Furn EVP Heads w/Conf Lights CTH W & Highland Rd	1.000 EACH	_____.	_____.
1028	SPV.0060 Special 3164. Trnspt & Install State Furn EVP Heads w/Conf Lights CTH C & CTH W	1.000 EACH	_____.	_____.
1030	SPV.0060 Special 3165. Trnspt & Install State Furn EVP Heads w/Conf Lights IH 43 NB Ramps & CTH C	1.000 EACH	_____.	_____.
1032	SPV.0060 Special 4000. Case Pile Wave Analysis Program (CAPWAP) Evaluation	4.000 EACH	_____.	_____.
1034	SPV.0060 Special 4001. Pile Dynamic Analyzer (PDA) Restrikes	8.000 EACH	_____.	_____.
1036	SPV.0060 Special 4002. Pile Dynamic Analyzer (PDA) Testing	8.000 EACH	_____.	_____.
1038	SPV.0060 Special 4003. Temporary Bridge Widening (B-45-0024)	1.000 EACH	_____.	_____.
1040	SPV.0060 Special 5000. Adjusting Sanitary Manhole	1.000 EACH	_____.	_____.
1042	SPV.0060 Special 8015. Pipe Connection to Existing Structure	13.000 EACH	_____.	_____.
1044	SPV.0060 Special 8018. Removing Bulkhead	65.000 EACH	_____.	_____.
1046	SPV.0060 Special 8020. Fastening Sewer Access Covers	7.000 EACH	_____.	_____.
1048	SPV.0060 Special 8501. Storm Sewer Structure 173	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
1050	SPV.0075 Special 0601. Pavement Cleanup Project 1229-04-76	500.000 HRS	_____.	_____.
1052	SPV.0085 Special 0001. No-Mow Fescue Seed Mix	287.000 LB	_____.	_____.
1054	SPV.0085 Special 0002. Seed Mix Special	33.000 LB	_____.	_____.
1056	SPV.0085 Special 0003. Seeding Mixture No. 30 Special	7,916.000 LB	_____.	_____.
1058	SPV.0090 Special 0002. Concrete Barrier Type S42 Special	14,032.000 LF	_____.	_____.
1060	SPV.0090 Special 0003. Concrete Barrier Type S56 Special	2,328.000 LF	_____.	_____.
1062	SPV.0090 Special 0004. Concrete Barrier Transition Type Parapet to V42	194.000 LF	_____.	_____.
1064	SPV.0090 Special 0005. Fence Chain Link Polymer Coated 4-Ft Road Barrier	180.000 LF	_____.	_____.
1066	SPV.0090 Special 0301. Heavy Duty Silt Fence	41,554.000 LF	_____.	_____.
1068	SPV.0090 Special 0910. Glare Screen Temporary	64,050.000 LF	_____.	_____.
1070	SPV.0090 Special 2001. Outdoor Rated Network Cable	390.000 LF	_____.	_____.
1072	SPV.0090 Special 4000. Fence Chain Link Polymer Coated 4-Ft	857.000 LF	_____.	_____.
1074	SPV.0090 Special 4001. Fence Chain Link Polymer Coated 6-Ft	246.000 LF	_____.	_____.
1076	SPV.0090 Special 8001. SSPRC Special 36 Inch	199.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1078	SPV.0090 Special 8031. Precast Trench Drain	552.000 LF	_____.	_____.
1080	SPV.0090 Special 8036. Temporary Precast Trench Dain	2,957.000 LF	_____.	_____.
1082	SPV.0135 Special 0001. Field Office Special	27.000 MON	_____.	_____.
1084	SPV.0165 Special 4000. Longitudinal Grooving Bridge Deck	42,796.000 SF	_____.	_____.
1086	SPV.0165 Special 4004. Temporary Wall Wire Faced Mechanically Stabilized Earth R-45-18	840.000 SF	_____.	_____.
1088	SPV.0165 Special 4006. Wall Concrete Panel Mechanically Stabilized Earth R-45-14	16,790.000 SF	_____.	_____.
1090	SPV.0165 Special 4007. Wall Concrete Panel Mechanically Stabilized Earth R-45-15	4,953.000 SF	_____.	_____.
1092	SPV.0165 Special 4008. Wall Concrete Panel Mechanically Stabilized Earth R-45-16	30,520.000 SF	_____.	_____.
1094	SPV.0165 Special 4009. Wall Concrete Panel Mechanically Stabilized Earth R-45-17	31,919.000 SF	_____.	_____.
1096	SPV.0165 Special 4010. Temporary Wall Wire Faced Mechanically Stabilized Earth R-45-17	1,897.000 SF	_____.	_____.
1098	SPV.0165 Special 4011. Wall Concrete Panel Mechanically Stabilized Earth R-45-18	14,367.000 SF	_____.	_____.
1100	SPV.0165 Special 4012. Wall Concrete Panel Mechanically Stabilized Earth R-45-19	11,535.000 SF	_____.	_____.
1102	SPV.0165 Special 4013. Wall Concrete Panel Mechanically Stabilized Earth R-45-23	13,993.000 SF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1104	SPV.0165 Special 4014. Temporary Wall Wire Faced Mechanically Stabilized Earth R-45-23	713.000 SF	_____.	_____.
1106	SPV.0165 Special 4015. Wall Concrete Panel Mechanically Stabilized Earth R-45-26	3,744.000 SF	_____.	_____.
1108	SPV.0165 Special 4016. Temporary Wall Wire Faced Mechanically Stabilized Earth R-45-26	653.000 SF	_____.	_____.
1110	SPV.0165 Special 4017. Wall Concrete Panel Mechanically Stabilized Earth R-45-36	3,566.000 SF	_____.	_____.
1112	SPV.0165 Special 4018. Wall Concrete Panel Mechanically Stabilized Earth R-45-37	3,295.000 SF	_____.	_____.
1114	SPV.0180 Special 0001. Topsoil Special	629,353.000 SY	_____.	_____.
1116	SPV.0180 Special 0003. Concrete Pavement 8-Inch Special	41,754.000 SY	_____.	_____.
1118	SPV.0180 Special 0004. Concrete Pavement 10 1/2-Inch Special	406,324.000 SY	_____.	_____.
1120	SPV.0180 Special 0102. Compost	1,320.000 SY	_____.	_____.
1122	SPV.0180 Special 0106. Asphaltic Surface Binder	446.000 SY	_____.	_____.
1124	SPV.0195 Special 0001. HMA Longitudinal Joint Repair	5,000.000 TON	_____.	_____.
1126	SPV.0195 Special 0002. HMA Transverse Joint Repair	1,000.000 TON	_____.	_____.
1128	SPV.0195 Special 4000. Excavation, Hauling, and Disposal of Creosote Contaminated Soil	2,080.000 TON	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20211109009 Project(s): 1229-04-76

Federal ID(s): WISC 2022007

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1130	SPV.0200 Special 8001. Manholes 4-Ft Diameter Special	100.000 VF	_____.	_____.
1132	204.0245 Removing Storm Sewer (size) 0006. 30- Inch	56.000 LF	_____.	_____.
1134	524.0618 Apron Endwalls for Culvert Pipe Salvaged 18-Inch	1.000 EACH	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.