Wisconsin Department of Transportation

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

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

March 25, 2025

NOTICE TO ALL CONTRACTORS:

Proposal #08:	**1090-03-75, WISC 2025414** **IH 43 – Airport Freeway** **Hale I/C** **IH 43** **Milwaukee County**	**1100-05-73, WISC 2025415** **IH 41 Airport Freeway** **84th Street to N Lincoln Ave** **IH 41** **Milwaukee County**

Letting of April 8, 2025

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

Special Provisions:

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
7	Utilities
8	Work By Others
106	Resin Binder High Friction Surface Treatment Modified

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
SPV.0060.002	Adjusting Water Valve Boxes – Milwaukee Water Works	EACH	3	-1	2

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Quantity Added	Proposal Total After Addendum
201.0205	Grubbing	STA	0	13	13
611.8110	Adjusting Manhole Covers	EACH	0	3	3

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
7-24, 26	Updated typical sections to show milling and overlaying 1 ft from the existing concrete barrier (previously shown up to the barrier wall).
126	Removed a water valve previously noted to be adjusted. This is not a water valve, it is a pull box.
217-221	Updated traffic control staging typical sections to match the change noted in the typical sections.
475	Added grubbing to Removals table.
483	Revised adjusting water valve quantities and added adjusting manhole covers.
501	Revised offset of signal pole (SB6) to provide more separation between existing water main and corrected typo for signal pole (SB7).

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
37A-37D	Added removal plan sheets for grubbing work.

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

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

1090-03-75 & 1100-05-73

March 25, 2025

Special Provisions

3. Prosecution and Progress

Replace the last paragraph under section titled **Protection of Endangered Bats (Tree Clearing)** *with the following:*

The department has contracted with others and will perform the following operations after October 31 and prior to April 1:

- Cutting trees.

Add the following paragraph to the end of section titled **Rusty Patched Bumblebee (*Bombus affinis*)***:*

Tree clearing will be completed by others prior to work beginning. The contractor is responsible for removing the cut trees within the right-of-way. Tree removal is incidental to the grubbing item.

Replace paragraph one under section titled **Migratory** *Birds with the following:*

Swallow or other migratory bird nests have been observed on some of the structures; however, deterrent is not needed because (1) construction activities that may affect the underside or interior of structure(s) will not occur during the migratory bird nesting season, or (2) it has been determined that anticipated construction activities on the structure will not disturb active nests. If it is later determined during construction that the nests will be disturbed the contractor shall implement avoidance/deterrent measures or obtain a depredation permit. All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act. The nesting season for swallows and other birds is from April 15 to August 31.

Replace paragraph one under section titled **Freeway and Ramp Work Restrictions** *with the following:*

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

Add the following to section titled **Local Road Work Restrictions***:*

Add the following to the definitions:

Full Closure
9:00 PM – 5:00 AM (Monday, Tuesday, Wednesday, Thursday)
10:00 PM – 8:00 AM (Friday, Saturday)
10:00 PM – 5:00 AM (Sunday)

Replace the last paragraph under section titled **Local Road Work Restrictions***:*

Do not close local roads and ensure that all local roads are entirely clear for traffic during Weekday Peak Hours and Weekend Peak Hours. Provide a minimum of one lane in each direction of the local road that is entirely clear for traffic during Weekday Off Peak Lane Closure Hours and Weekend Off Peak Lane Closure Hours.

7. Utilities

Replace entire subsection titled **City of Milwaukee – Water** *under section titled* **PROJECT 1100-05-73** *with the following:*

City of Milwaukee – Water has facilities within the project limits. The following will be adjusted during construction as part of the project:

At Beloit Road:

- Water Valve Box located approximately at Station 48BL+60, 44’ LT
- Water Valve Box located approximately at Station 48BL+80, 44’ LT

Access shall be maintained to all hydrants within the construction area for fire protection.

Perform this work in accordance with the requirements of Adjusting Water Valve Boxes – Milwaukee Water Works, item SPV.0060.002.

Replace paragraph one under subsection titled **City of West Allis – Water** *under section titled* **PROJECT 1100-05-73** *with the following:*

City of West Allis – Water has facilities within the project limits. The following will be adjusted during construction as part of the project:

Add the following after paragraph one under subsection titled **WE Energies – Electric** *under section titled* **PROJECT 1100-05-73***:*

The following will take one working day each during construction.

8. Work By Others

Replace entire article language with the following:

Modifications to the traffic control plan may be required by the engineer to be safe and consistent with adjacent work by others.
It is expected that routine maintenance by city and county personnel may be required at certain times that is concurrent with the work being done under this contract.

SER-107-012 (20211227)

In addition to the utility facilities referenced in the “Utilities” article of the special provisions where no adjustments are anticipated, the following utility companies have approved permits to install additional facilities within the project limits. The utility permit includes additional detailed information regarding the location of installed, discontinued, relocated, or removed utility facilities. These can be requested during the bid preparation process or from the project engineer after the contract has been awarded and executed.

City of West Allis – Street Lighting will be performing utility work within the limits of the project. Project to include conduit installation necessary to rewire lighting.

At Oklahoma Avenue:

- Lighting work included in contract plans. Intercept high voltage street lighting near Sta. 710K+00. - 50' LT & 50' RT to install conduit under Oklahoma. Coordinate with DPW staff to maintain street lighting during construction. Existing pull box in ramp island cannot be removed until conduit is installed under Oklahoma and under the freeway to feed the lights east of the freeway along the north side of Oklahoma as well as north along S. 101st Street. Following construction, WisDOT to maintain streetlights from ramp signal to ramp signal including the lights under the bridge.

WisDOT RWIS Program – Communication Tower will be performing utility work within the limits of the project.

There is an RWIS processor attached to the sign bridge at approximately ST 35RNE/S.

Provide advance notice to WisDOT RWIS Program Manager 30 days prior to start of work, and the site will be available to the utility owner.

Work to be completed by RWIS contractor includes:

- Disconnecting sensors from cabinet prior to start of milling at approximately ST 35RNE/S.

If the stat notification is received, sensors can be milled.

Estimated 1 working day for RWIS contractor to disconnect sensors.

106. Resin Binder High Friction Surface Treatment Modified, Item SPV.0180.001.

Replace entire article language with the following:

A Description

This special provision describes providing a high friction surface treatment (HFST) composed of aggregate in a resin binder on HMA or concrete pavements.

B Materials

B.1 Resin Binder

Supply a two-part thermosetting resin binder which is compatible with the pavement type, bonds to the pavement surface, holds the aggregate firmly in place in a broad range of climates including below-freezing temperatures, and meets the requirements specified in Table 1. Supply a primer if recommended by the resin binder manufacturer.

Table 1. Resin Binder Properties

Property	Requirements	Test Method*
Viscosity	7 – 30 poises***	ASTM D2556 1-pint specimen
Gel Time	10-minute minimum***	AASHTO M 235M/M 235 Type III
Ultimate Tensile Strength	2,000 – 5,000 psi @ 7 days	AASHTO M 235M/M 235 Type III
Elongation at Break	30% - 70% @ 7 days	AASHTO M 235M/M 235 Type III

Compressive Strength	≥ 1000 psi @ 3 hrs*** & ≥ 5000 psi @ 7 days	ASTM C579
Water Absorption	≤ 1.0 % @ 24-hr	AASHTO M 235M/M 235 Type III
Shore D Hardness	60 – 80 @ 7 days	ASTM D2240** Type 1 precision, Type D method
Cure Rate	≤ 3 hours*** (Dry Through Time)	ASTM D1640 50-55 wet mil thickness**
Adhesive Strength	250 psi @ 24 hours or 100% substrate failure	ASTM D4541**

* Prepare samples per manufacturer's recommendation; cure two sets of specimens at 73 ± 2° F and at 50 ± 2° F; and test all specimens at 73 ± 2° F

** Conduct testing on applicable pavement type

*** For 50 ± 2° F cured specimen, all tests are required to be performed but the specimen is waved from meeting required value

B.2 Aggregate

Furnish calcined bauxite aggregate that is fractured or angular in shape; resistant to polishing and crushing; clean and free of surface moisture; free from silt, clay, asphalt, or other organic materials; compatible with the resin binder; and meet the properties and gradation requirements in Tables 2 and 3. Check with resin binder manufacturer for any compatibility requirements or concerns. The calcined bauxite will be delivered to the construction site in clearly labeled packaging; which protects the aggregate from any contaminates on the jobsite and from exposure to rain or other moisture.

Table 2. Aggregate Properties

Property	Requirements	Test Method
Moisture Content	≤ 0.2%	AASHTO T 255
Fine Aggregate Angularity	≥ 45%	AASHTO T 304, Method A
LA Wear	≤ 10% loss @ 100 revolutions and ≤ 25% loss @ 500 revolutions	AASHTO T 96
Freeze-Thaw Soundness	≤ 9% loss @ 50, 16, or 25 cycles using Procedure A, B, or C, respectively	AASHTO T 103
Aluminum Oxide	≥87%	ASTM C 25

Table 3. Aggregate Gradation (AASHTO T27)

Sieve Size	% Passing by Weight
No. 4	100
No. 6	95-100
No. 16	0-5
No. 30	0-1

B.3 Approval of High Friction Surface Treatment

A minimum of 20 working days before applying HFST, submit product data sheets and specifications from the manufacturer, and a certified test report from an independent laboratory verifying that the resin binder

and the calcined bauxite aggregate meet all the requirements specified in Tables 1, 2 and 3. Documents must be dated within three years of project letting date; must be representative of the material used on the project.

If resin binder has not been previously used in Wisconsin, also submit a list of at least five reference projects where the resin binder has been used for similar applications and in locations that have similar climatic conditions as Wisconsin. Supply a description of the projects along with contact information of the facility owner.

If the engineer requests, provide samples of the resin binder and aggregate for department testing before applying HFST.

C Construction

C.1 General

The contractor will provide documentation showing HFST application experience from at least three previous projects completed for WisDOT or other agencies.

Conduct a meeting with the resin binder manufacturer representatives before applying HFST to establish procedures for maintaining optimum working conditions and coordination of the work. Submit recommended application procedures, including quality control practices, to the engineer for approval. Ensure that a resin binder manufacturer representative is on site to provide technical assistance and quality assurance during surface preparation and for application of HFST.

Ensure that the resin binder components maintain their original properties during storage and handling. Store all aggregate in a dry environment and protect from contaminants on the job site.

C.2 Pavement Surface Preparation

C.2.1 Pavement Surface Repair

Remove visibly unsound or disintegrated areas of the pavement surface as the plans show or the engineer directs.

Check with resin binder manufacturer to ensure that products used for pavement repairs or patches are compatible with the resin HFST. Ensure that any new concrete or repairs are fully cured before placing the HFST. Allow a minimum 30-day curing time after placing new asphalt or concrete pavement before installing the HFST.

C.2.2 Surface Preparation

Cover and protect utilities, drainage structures, expansion joints on bridge decks, and other structures within or adjacent to the application location to prevent materials from adhering to or entering those structures.

Remove pavement markings that are within the treatment area. Cover existing pavement markings adjacent to the application if they are to remain in place.

Pretreat all joints and cracks, or any portion of cracks, that are greater than ¼ inch wide, with the mixed binder resin system specified herein. Once the binder resin in the pretreated area has gelled, the installation may proceed.

Completely remove any grease, oil or other deleterious materials resting on the pavement surface with a mild detergent solution, rinsed with clean potable water, and dried using a hot compressed air lance. Ensure the pavement surface has no curing compound, loosely bonded mortar, pavement marking, or other foreign matter resting on the pavement surface.

Sufficiently clean HMA pavement surface using mechanical sweepers and high-pressure air wash with sufficient oil traps, just before applying HFST. Mechanically sweep all surfaces to remove dirt, loose aggregate, debris, and deleterious material. Vacuum sweep or air wash using a minimum of 180 cfm of clean and dry compressed air, all surfaces to remove all dust, debris, and deleterious material. Maintain air lance perpendicular to the surface and the tip of the air lance within 12 in. of surface.

Clean concrete pavement surface by shot blasting and vacuum sweeping. Shot blast all surfaces to remove all curing compound, loosely bonded mortar, surface carbonation, and deleterious material. After shot blasting, vacuum sweep or air wash, with a minimum of 180 cfm of clean and dry compressed air, all surfaces to remove all dust, debris, and deleterious material. Maintain air lance perpendicular to the surface and the tip of the air lance within 12 in. of the surface.

If the engineer requires additional verification of adequate surface preparation of the pavement, test the bond strength according to ASTM D4541. The surface is acceptable if the tensile bond strength is greater than or equal to 250 psi, or failure is in the substrate. Repeat cleaning, and testing, if needed, until passing test results are obtained or the surface is acceptable to the engineer.

Keep vehicles and unnecessary equipment off the cleaned surface; only allow HFST application equipment on the clean surface. Apply HFST as soon as possible after pavement surface preparations are completed.

C.3 Application of the HFST

Do not apply the HFST if any of the following exists:

- Pavement surface is wet, damp, or has received rainfall in the previous 24 hours.
- Pavement surface is not sufficiently clean.
- Ambient air or pavement surface temperature is below 50° F or below the manufacturer's recommendations.
- If the anticipated weather conditions would prevent adequate curing of the HFST.
- Rain is predicted before HFST completion or proper cure is achieved.
- Pavement preparation is inadequate or didn't pass pull-off test.

Close treatment areas to traffic until HFST is completely cured and pavement surface has been vacuum-swept.

Construct HFST to the full width of the existing pavement surface, or as the plans show. Extend the HFST application 2'-3' onto the shoulders if application site is on a curve where no rumble strip exists. If the rumble strip exists, apply HFST only on the main lane not on the shoulder.

Apply a primer to the pavement surface if recommended by the resin binder manufacturer, and according to their application recommendations. Abide by the established quality control practices and adhere to any additional manufacturer recommendations for HFST application.

Blend and mix the resin binder components at the manufacturer's specified ratio using equipment capable of providing the desired results.

Use enough resin to cover the pavement surface and sufficiently embed half the thickness of the aggregate; do not apply so much that it covers the aggregate and creates a slick surface. Adjust application rate, as needed, based on the pavement surface type, profile, and condition.

If using automated equipment, the binder resin system manufacturer shall approve the use of automated continuous application device with their material. Ensure that the equipment features positive displacement, volumetric metering, and can store, mixing, heating, monitoring, and distributing the binder components at the proper mix ratio. Adjust the pressure and the speed of the equipment to achieve the proper application thickness. Coverage rate is based upon expected variance in the surface profile of the pavement.

Do not contaminate the wet binder or allow the binder material to separate or cure and impair bonding of the aggregate.

Immediately after applying the resin binder, distribute a sufficient quantity of dry calcined bauxite aggregate to completely cover the resin binder by hand broadcasting or by using a standard chip spreader or equivalent machine. Ensure aggregate is placed within five minutes of the resin binder placement, before it begins to cure. When broadcasting, sprinkle or drop the aggregate onto the resin binder vertically. Do not distribute aggregate in a way that will cause it to roll in the resin binder before coming to a rest; do not push the aggregate into position with a broom or any other hand tool. If using a chip spreader, the machine shall follow closely behind the crew or equipment applying the resin binder. Immediately cover any visible wet or bare spots, or areas with excessive binder, with additional calcined bauxite aggregate before the resin binder begins to set.

Allow the HFST to properly cure, following the minimum cure times listed in Table 4 or adhering to manufacturer recommendations for minimum cure times at applicable temperatures, whichever is greater.

Table 4. Minimum Curing Periods

Average temperature of pavement surface in degrees F							
50-54	**55-59**	**60-64**	**65-69**	**70-74**	**75-79**	**80-84**	**85-89**
8 hrs	6.5 hrs	6.5 hrs	5 hrs	4 hrs	3 hrs	3 hrs	3 hrs

If faster cure times are desired and achievable, submit to the engineer a certified test report from an independent laboratory showing the material is able to reach a compressive strength of 1000 psi as tested per ASTM C579 within the temperature ranges and cure times for which the product is proposed to be placed. Establish ambient air, material, and substrate temperatures from the manufacturer for field applications.

After the HFST is fully cured, remove excess loose surface aggregate by sweeping, blowing, or vacuuming. Do not tear or otherwise damage the surface. Excess calcined bauxite aggregate that is recovered by a vacuum sweeper can be reused if clean, uncontaminated and dry. Remove and replace damaged areas or areas with excess or insufficient aggregate coverage. Uncover pavement markings and repair damages that occur by covering and uncovering markings. Clean expansion joints, utilities, and drainage structures of all debris before opening to traffic.

Additionally, within 3 to 7 days after opening to traffic, the contractor shall vacuum sweep the pavement surface to remove loosened aggregate from the high friction surface area, the shoulders, and any other areas within and immediately adjacent to the HFST site.

D Measurement

The department will measure Resin Binder High Friction Surface Treatment by the square yard acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.001	Resin Binder High Friction Surface Treatment Modified	SY

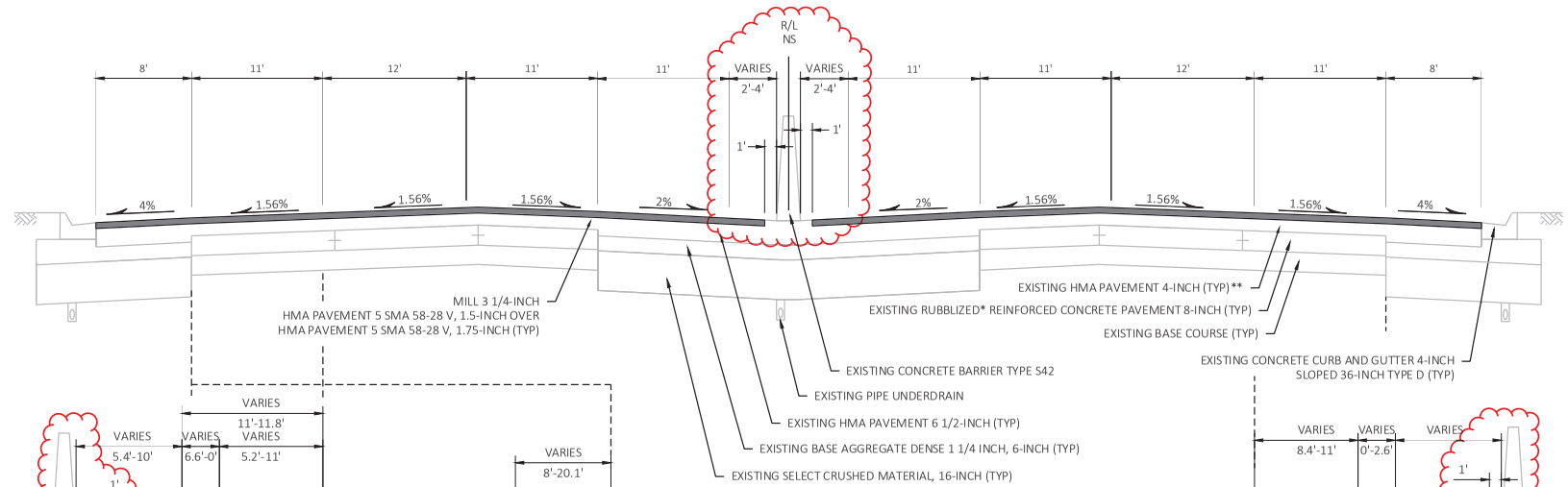
Payment for Resin Binder High Friction Surface Treatment Modified is full compensation for testing materials; for surface preparation; for providing the HFST; for cleanup including uncovering and restoration of pavement markings; and for vacuum sweeping and disposing of excess material after the completion and again 3 to 7 days after completion.

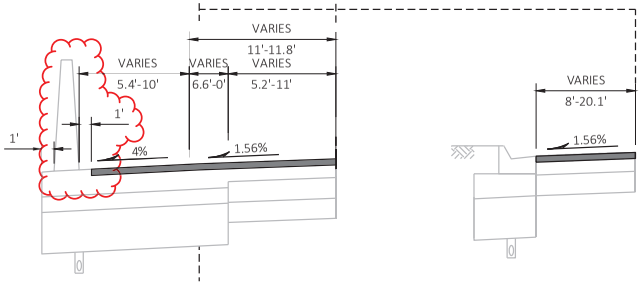
The department will pay for pavement repairs, and traffic control separately under other contract bid items or, absent the appropriate bid items, as extra work.

Schedule of Items
Attached, dated March 25, 2025, are the revised Schedule of Items Pages 18 and 22.

Plan Sheets
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 7-24, 26, 126, 217-221, 475, 483 and 501.
Added: 37A-37D.

END OF ADDENDUM



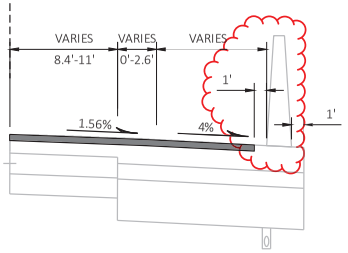


STA. 70NS+90 TO STA. 77NS+55

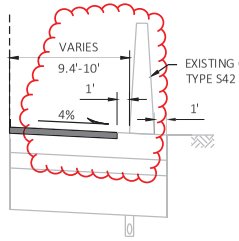
STA. 100NS+23.19 TO STA. 112NS+93.90

TYPICAL FINISHED SECTION
IH 894/IH 41

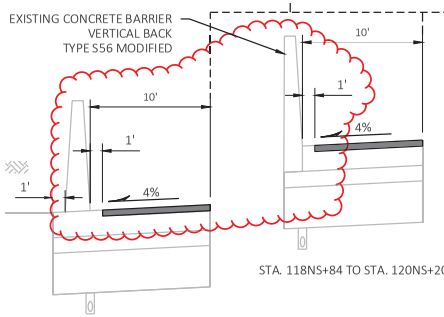
STA. 70NS+89 TO 90NS+16 EB/SB
STA. 74NS+03 TO STA. 90NS+16 WB/NB
STA. 97NS+84 TO STA. 104NS+22
STA. 109NS+03 TO STA. 136NS+77
STA. 146NS+98 TO STA. 148NS+63
STA. 157NS+16 TO STA. 161NS+48 EB/SB
STA. 186NS+24 TO 187NS+48 WB/NB



STA. 74NS+04 TO STA. 75NS+38

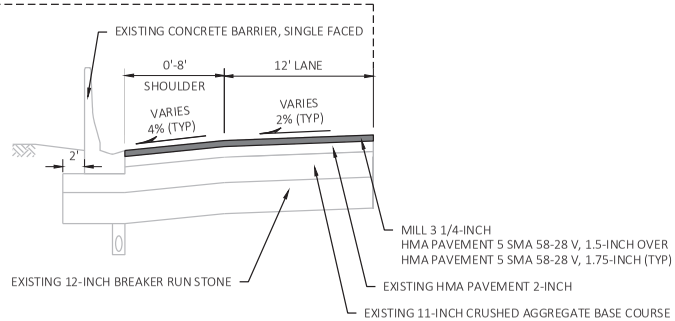


STA. 75NS+38 TO STA. 77NS+40
STA. 147NS+53 TO STA. 148NS+88
STA. 155NS+71 TO STA. 155NS+93



STA. 118NS+84 TO STA. 120NS+20

STA. 77NS+55 TO STA. 90NS+16
STA. 97NS+84 TO STA. 98NS+70
STA. 120NS+20 TO STA. 121NS+57
STA. 148NS+50 TO STA. 148NS+63



STA. 157NS+16 TO STA. 161NS+48

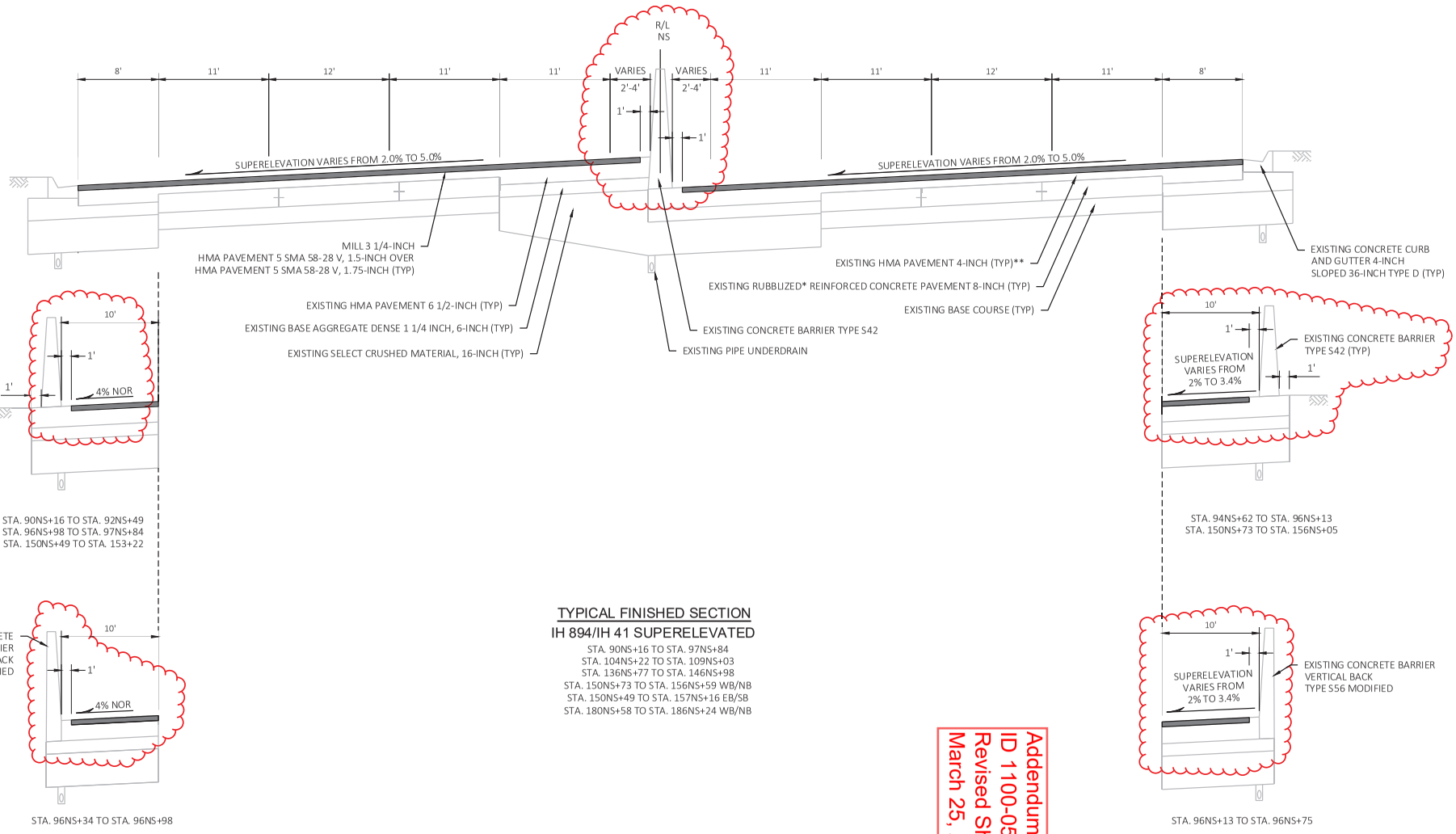
*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

**EXISTING HMA PAVEMENT 2-INCH FROM STA. 97NS+84 TO STA. 99NS+58 AND FROM STA. 116NS+24 TO STA. 123NS+97

Addendum No. 01
ID 1100-05-73
Revised Sheet 7
March 25, 2025

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 7	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 01
PLOT DATE : 3/12/2025 9:29 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



TYPICAL FINISHED SECTION

IH 894/IH 41 SUPERELEVATED

STA. 90NS+16 TO STA. 97NS+84
STA. 104NS+22 TO STA. 109NS+03
STA. 136NS+77 TO STA. 146NS+98
STA. 150NS+73 TO STA. 156NS+59 WB/NB
STA. 150NS+49 TO STA. 157NS+16 EB/SB
STA. 180NS+58 TO STA. 186NS+24 WB/NB

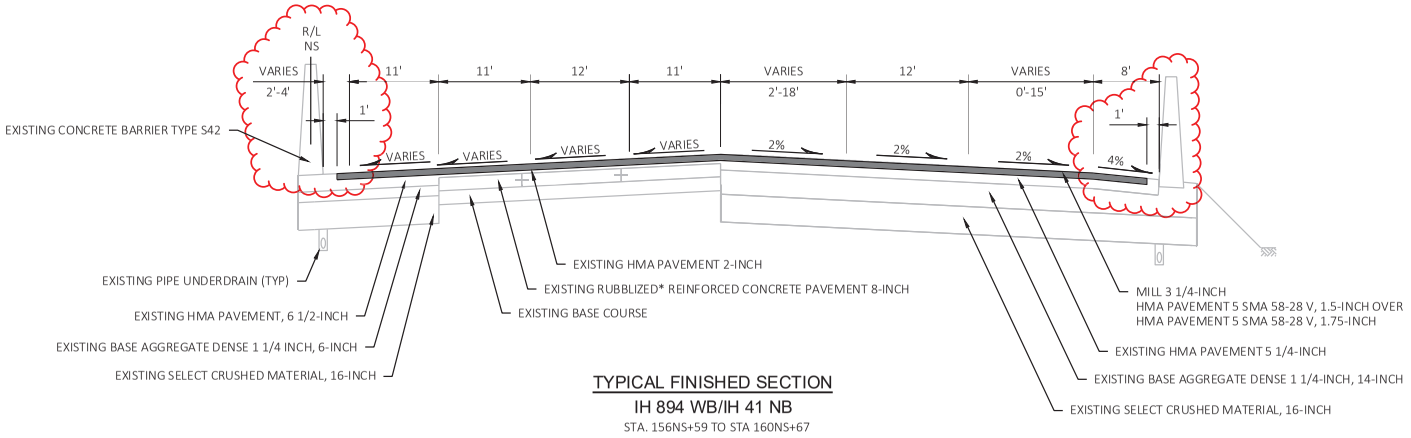
Addendum No. 01
ID 1100-05-73
Revised Sheet 8
March 25, 2025

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

**EXISTING HMA PAVEMENT 2-INCH FROM STA. 93NS+53 TO STA. 97NS+84

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 8	E

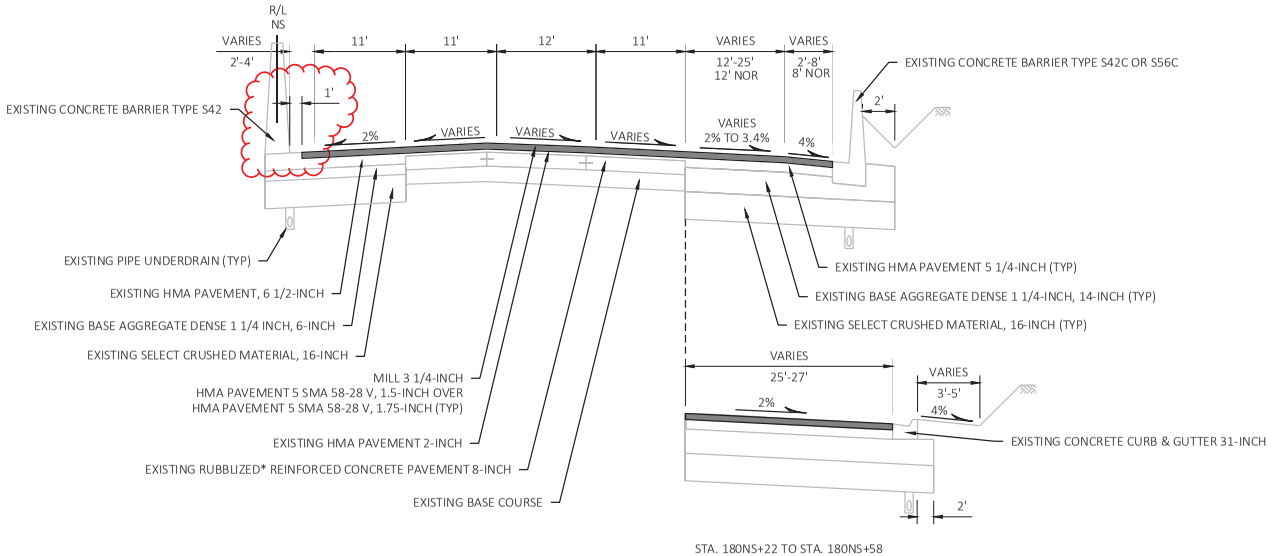
FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 02
PLOT DATE : 3/12/2025 9:41 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



TYPICAL FINISHED SECTION

IH 894 WB/IH 41 NB

STA. 156NS+59 TO STA 160NS+67



STA. 180NS+22 TO STA. 180NS+58

TYPICAL FINISHED SECTION

IH 894 WB/IH 41 NB

STA. 160NS+67 TO STA. 180NS+58

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

Addendum No. 01
ID 1100-05-73
Revised Sheet 9
March 25, 2025

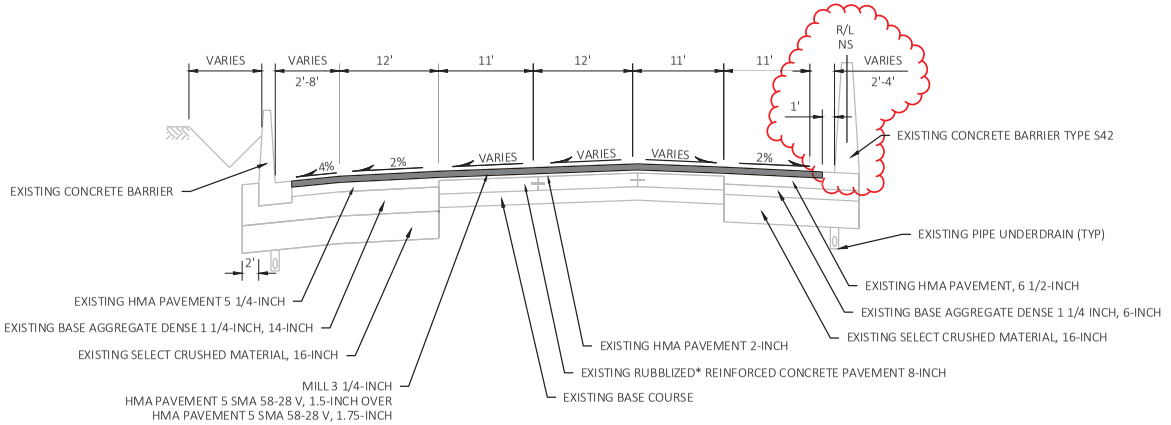
PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 9	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 03

PLOT DATE : 3/12/2025 9:49 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2



TYPICAL FINISHED SECTION

IH 894 EB/IH 41 SB

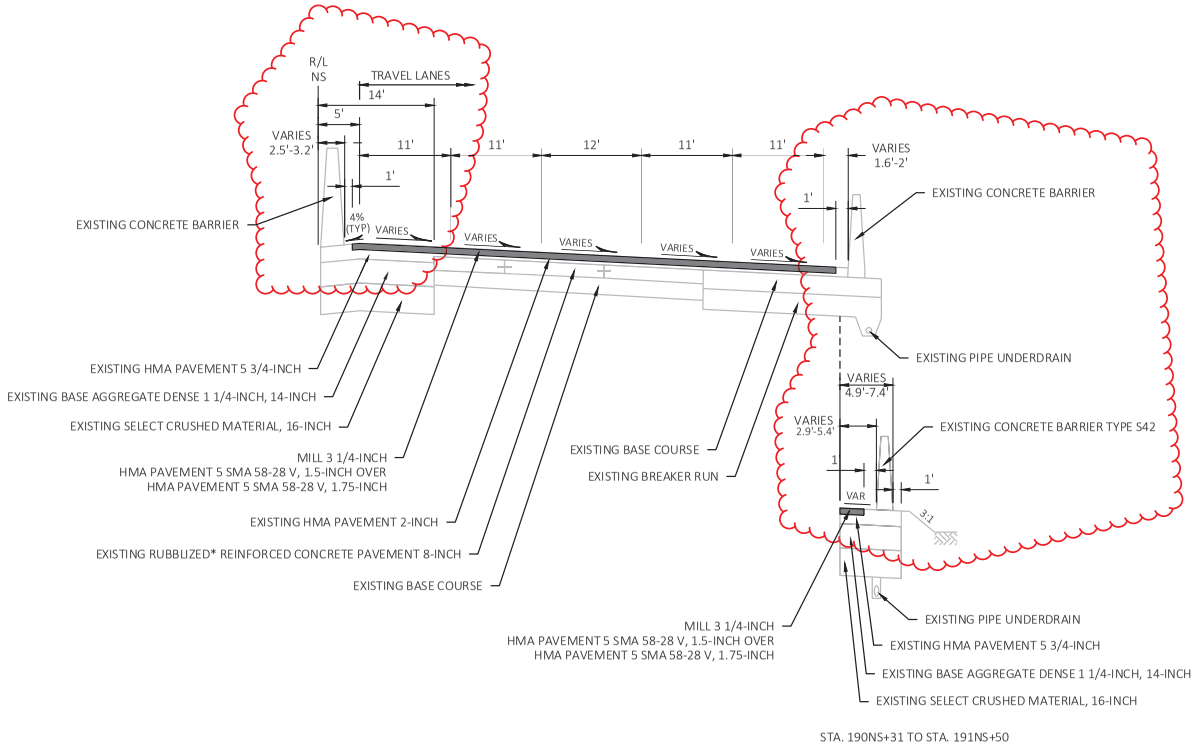
STA. 161NS+48 TO STA. 187NS+48

Addendum No. 01
ID 1100-05-73
Revised Sheet 10
March 25, 2025

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 10	E

2



STA. 190NS+31 TO STA. 191NS+50

TYPICAL FINISHED SECTION

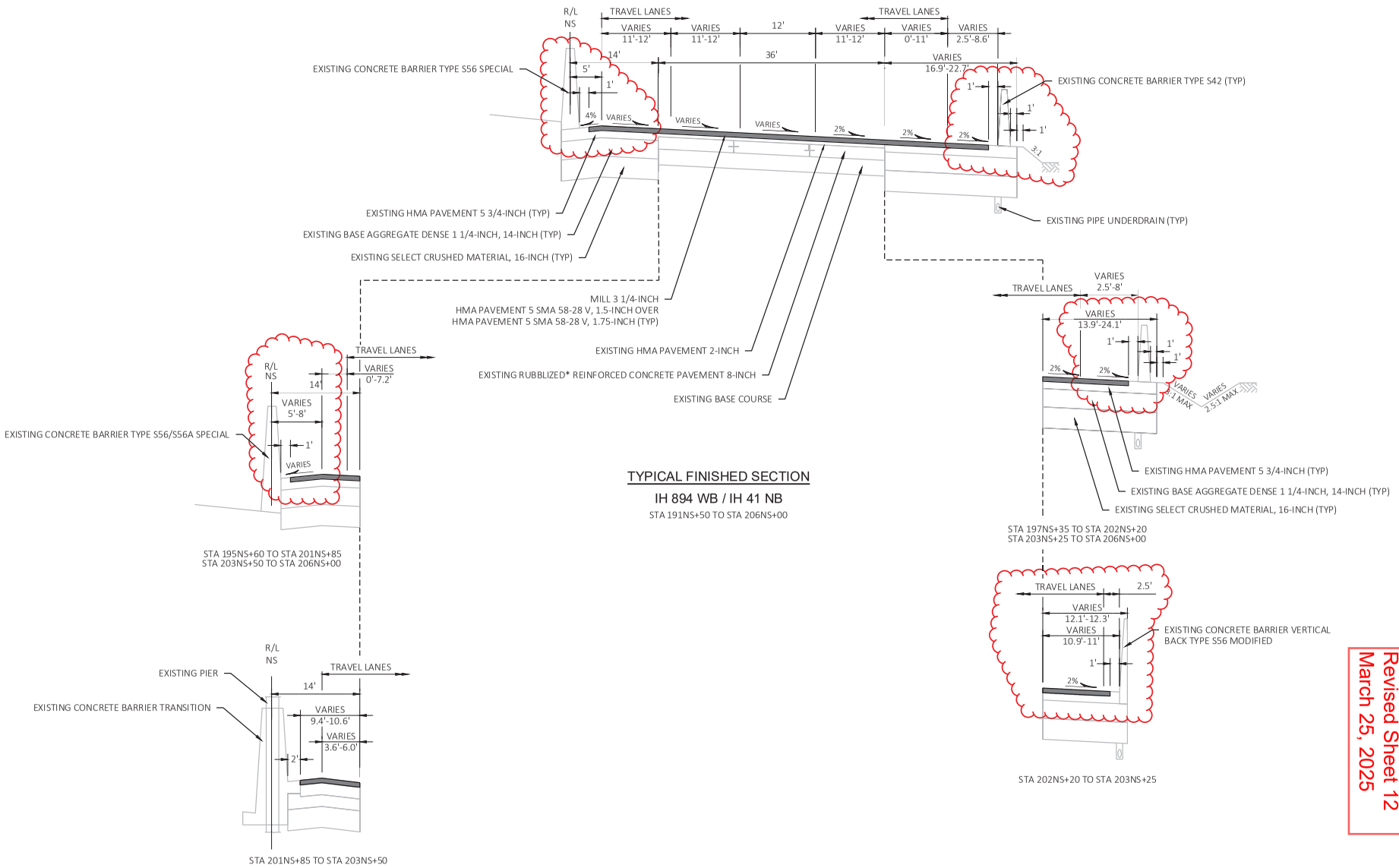
IH 894 WB / IH 41 NB

STA. 189NS+75 TO STA. 191NS+50

Addendum No. 01
ID 1100-05-73
Revised Sheet 11
March 25, 2025

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 11	E



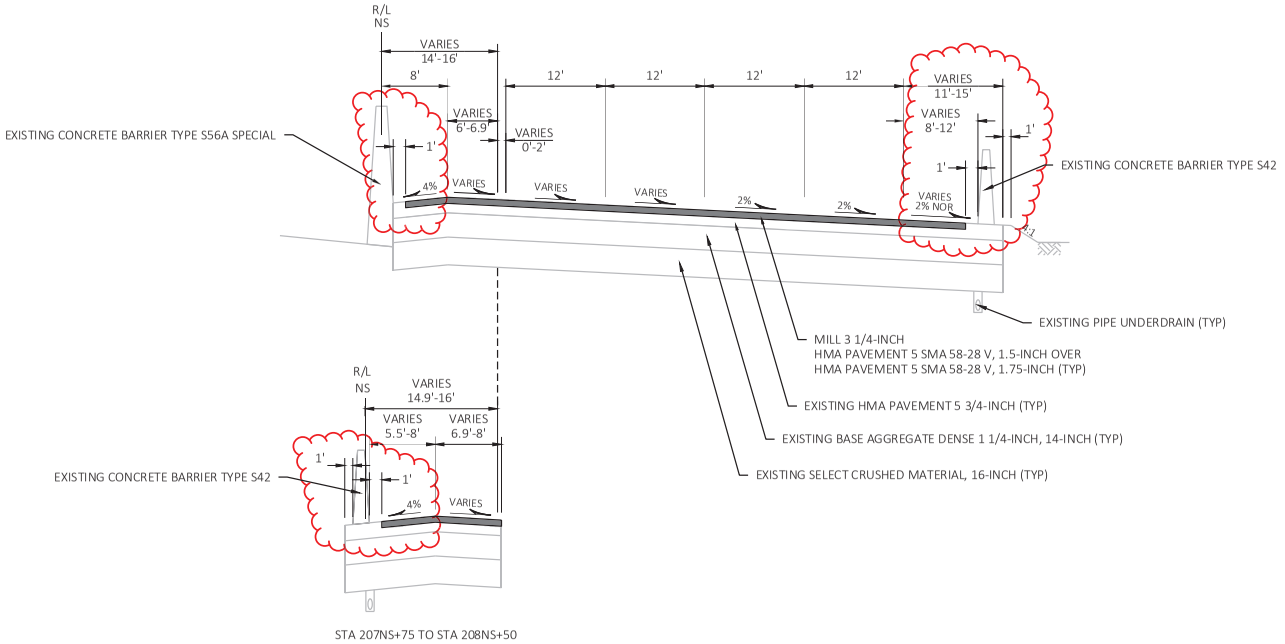
Addendum No. 01
ID 1100-05-73
Revised Sheet 12
March 25, 2025

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 12	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 06
PLOT DATE : 3/12/2025 10:11 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

2



STA 207NS+75 TO STA 208NS+50

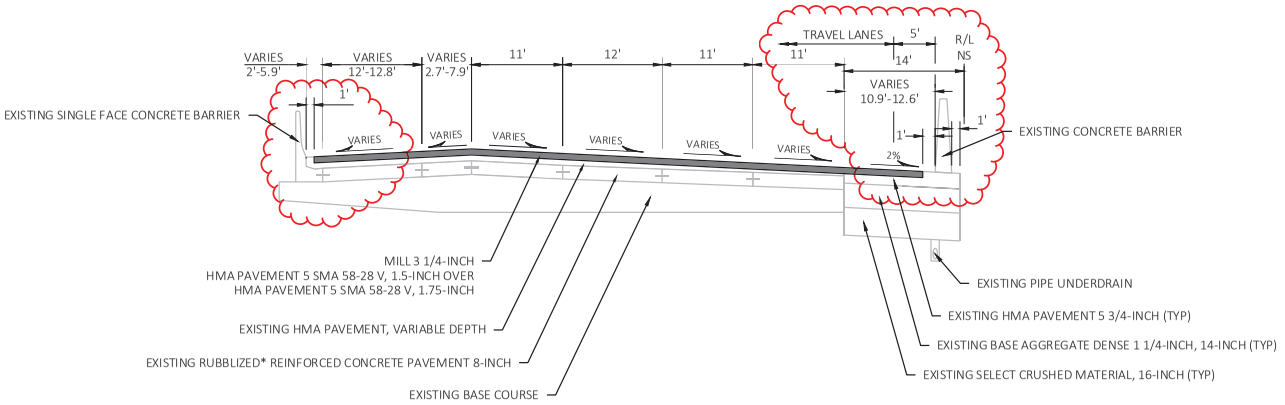
TYPICAL FINISHED SECTION

IH 894 WB / IH 41 NB

STA 206NS+00 TO STA 208NS+50

Addendum No. 01
ID 1100-05-73
Revised Sheet 13
March 25, 2025

2



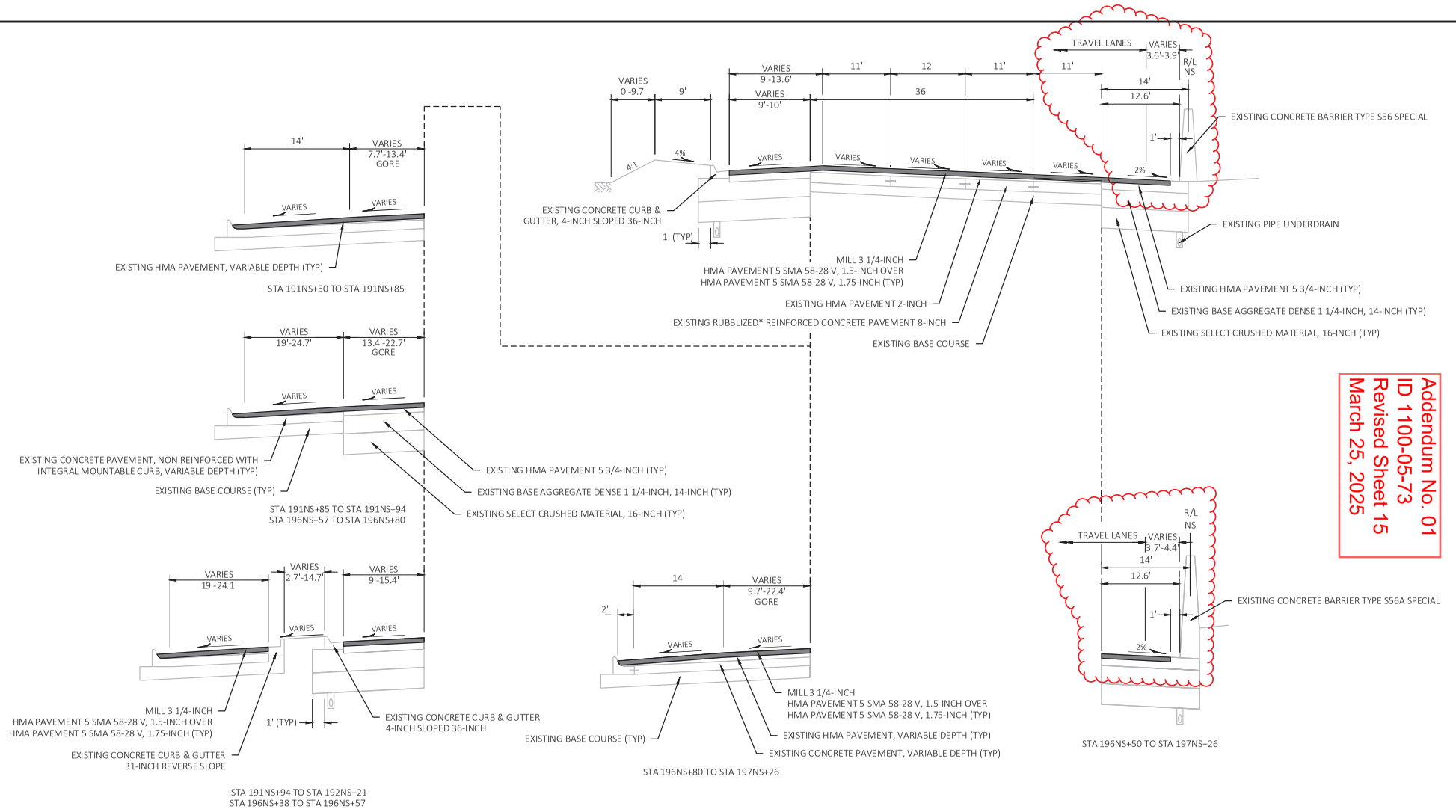
TYPICAL FINISHED SECTION

IH 894 EB / IH 41 SB

STA 189NS+34 TO STA 191NS+50

Addendum No. 01
ID 1100-05-73
Revised Sheet 14
March 25, 2025

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.



Addendum No. 01
ID 1100-05-73
Revised Sheet 15
March 25, 2025

TYPICAL FINISHED SECTION

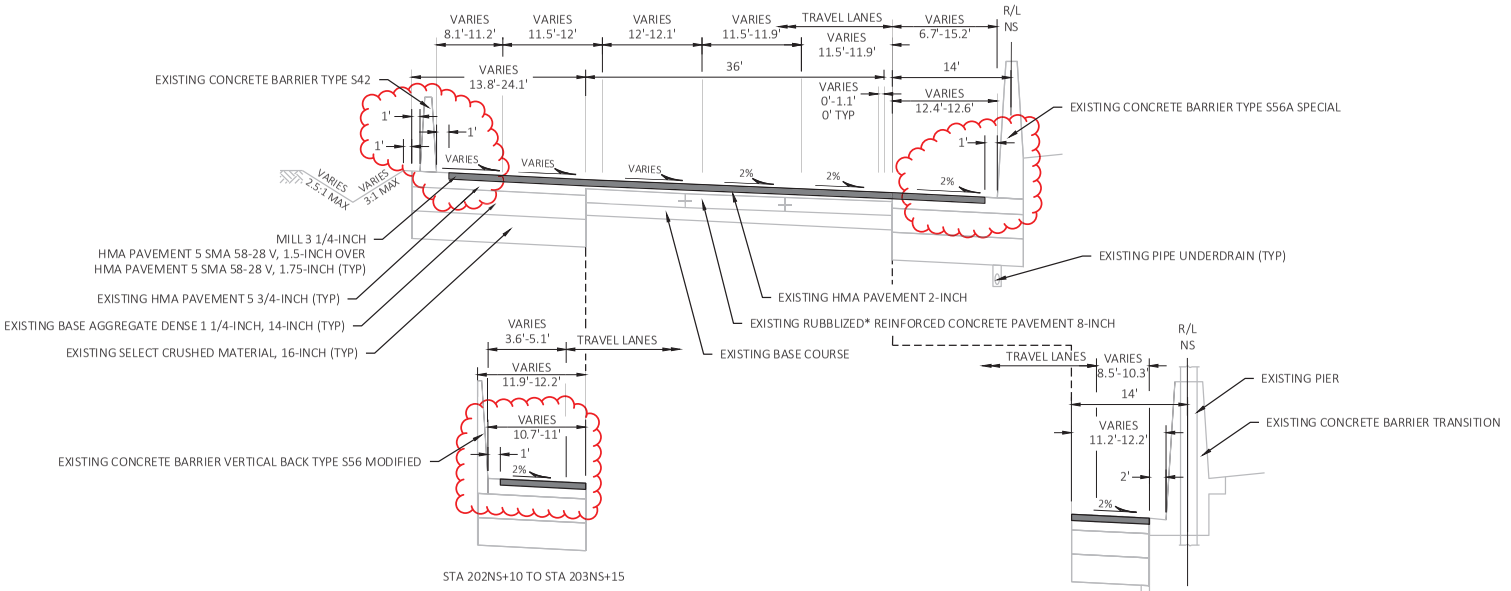
IH 894 EB / IH 41 SB

STA 191NS+50 TO STA 197NS+26

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 15	E

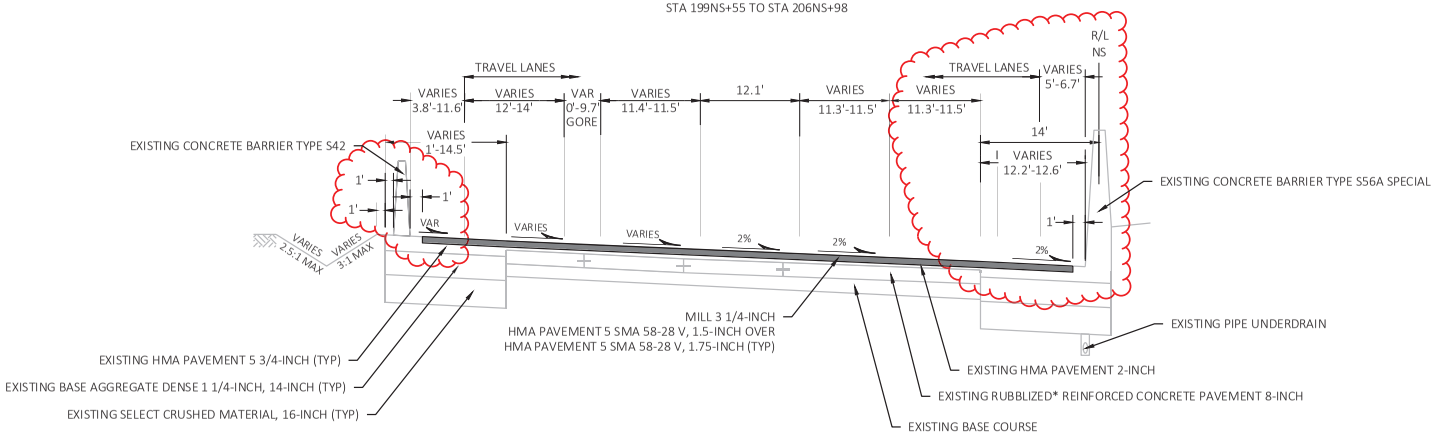
FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 09
PLOT DATE : 3/12/2025 10:31 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION

IH 894 EB / IH 41 SB

STA 199NS+55 TO STA 206NS+98



TYPICAL FINISHED SECTION

IH 894 EB / IH 41 SB

STA 197NS+26 TO STA 199NS+55

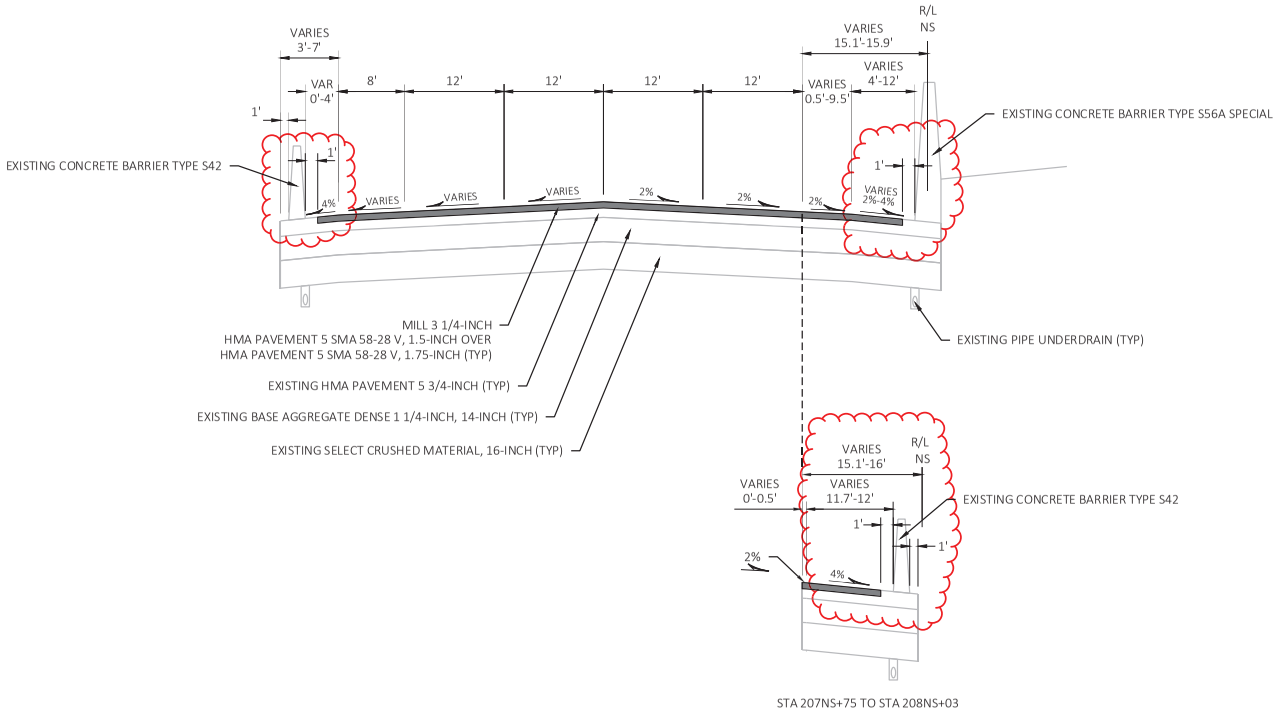
*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

Addendum No. 01
ID 1100-05-73
Revised Sheet 16
March 25, 2025

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 16	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 10
PLOT DATE : 3/12/2025 10:39 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



STA 207NS+75 TO STA 208NS+03

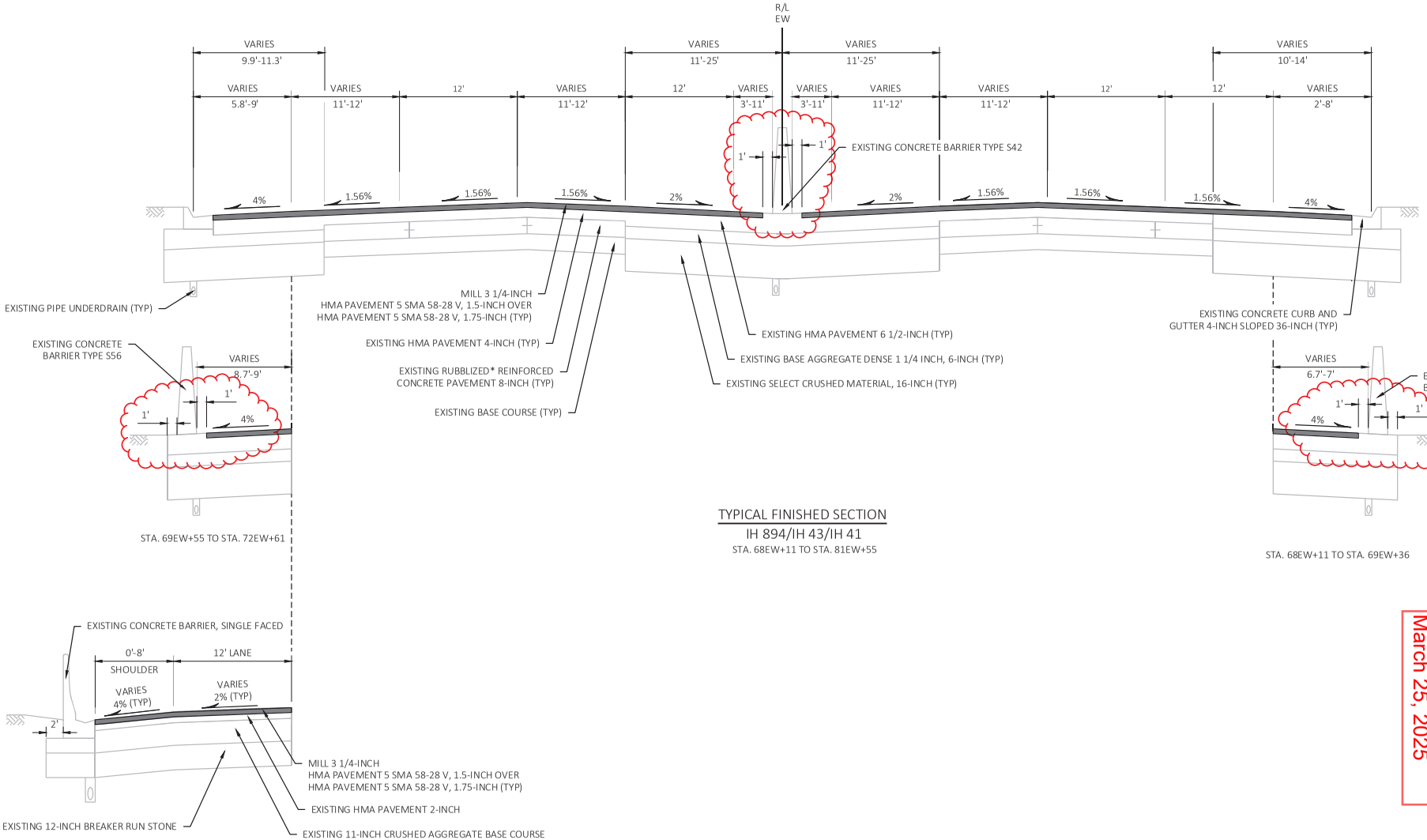
TYPICAL FINISHED SECTION

IH 894 EB / USH 45 SB

STA 206NS+98 TO STA 208NS+03

Addendum No. 01
ID 1100-05-73
Revised Sheet 17
March 25, 2025

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 17	E



STA. 69EW+55 TO STA. 72EW+61

STA. 80EW+51 TO STA. 81EW+55

TYPICAL FINISHED SECTION
IH 894/IH 43/IH 41
STA. 68EW+11 TO STA. 81EW+55

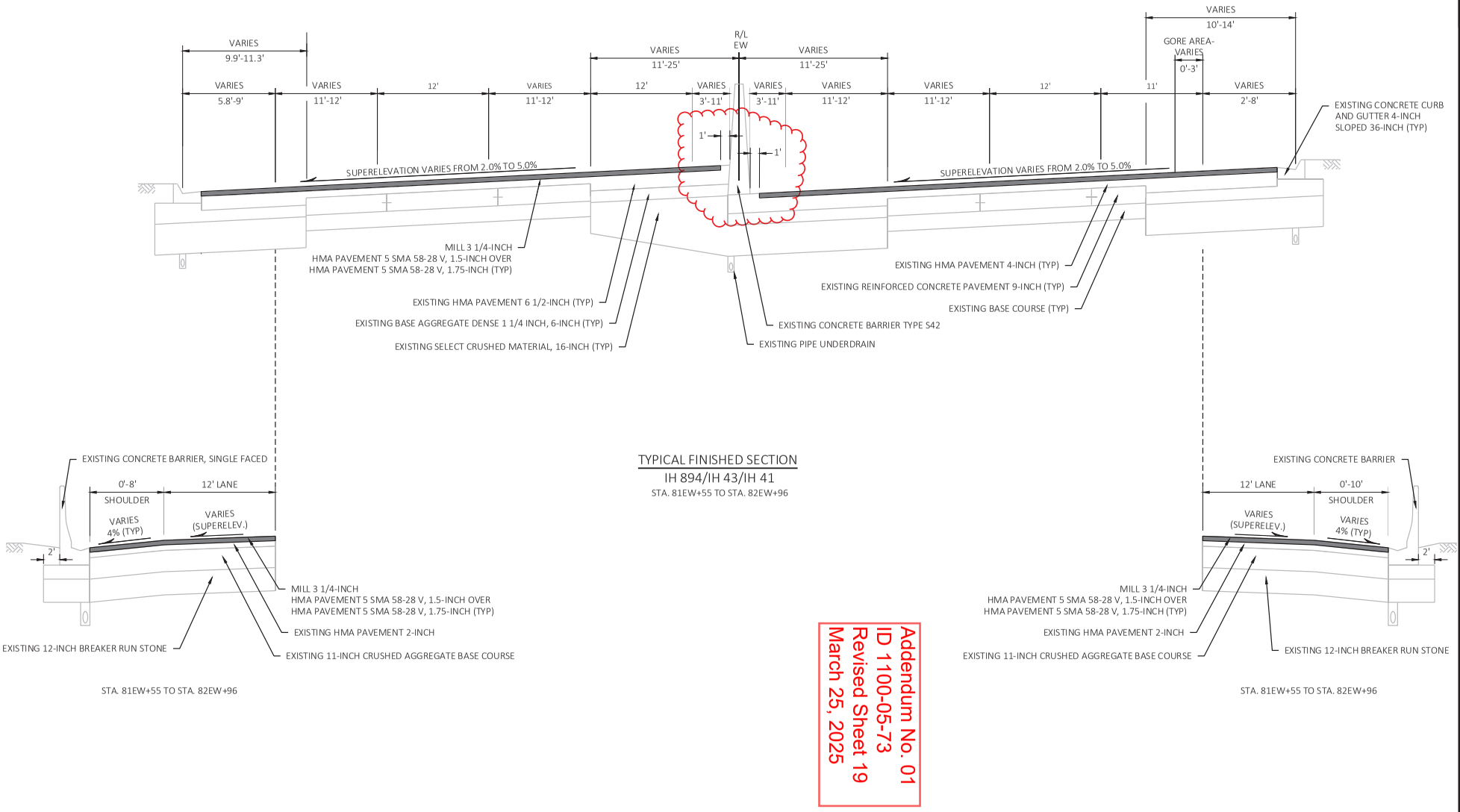
STA. 68EW+11 TO STA. 69EW+36

Addendum No. 01
ID 1100-05-73
Revised Sheet 18
March 25, 2025

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 18	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 12
PLOT DATE : 3/12/2025 10:53 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION

IH 894/IH 43/IH 41

STA. 81EW+55 TO STA. 82EW+96

STA. 81EW+55 TO STA. 82EW+96

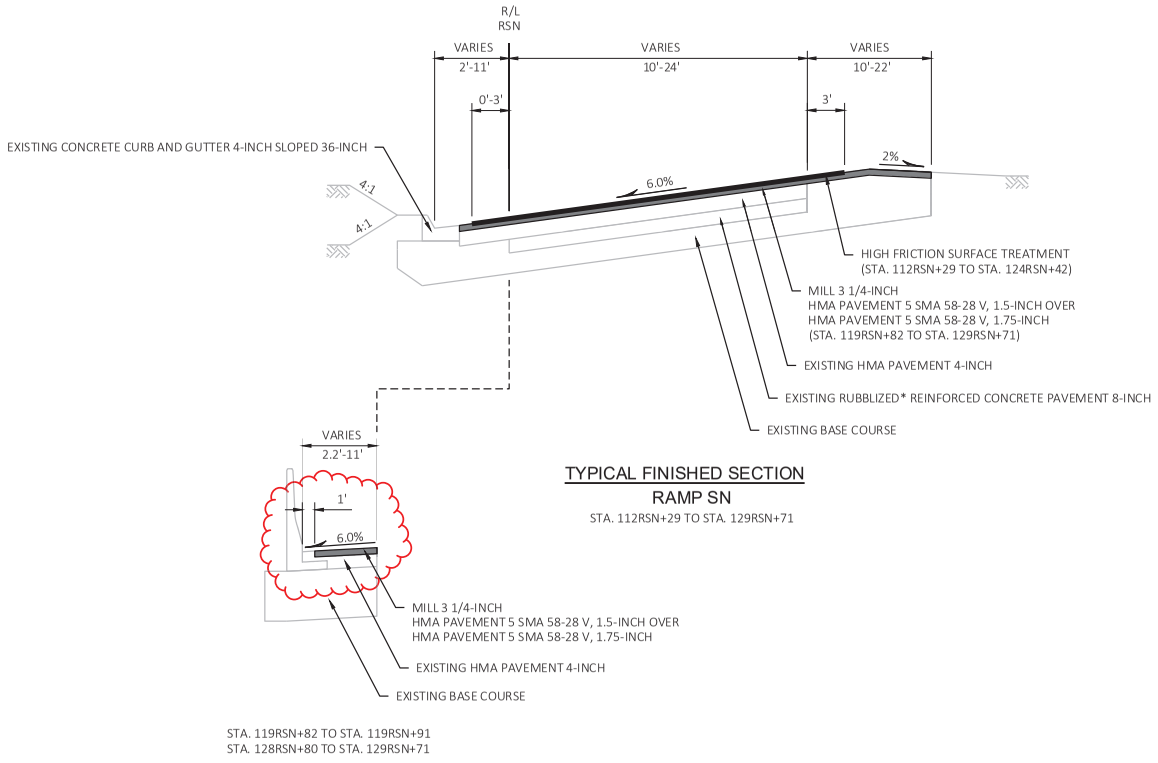
STA. 81EW+55 TO STA. 82EW+96

Addendum No. 01
ID 1100-05-73
Revised Sheet 19
March 25, 2025

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 19	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 13
PLOT DATE : 3/12/2025 10:58 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



TYPICAL FINISHED SECTION
RAMP SN

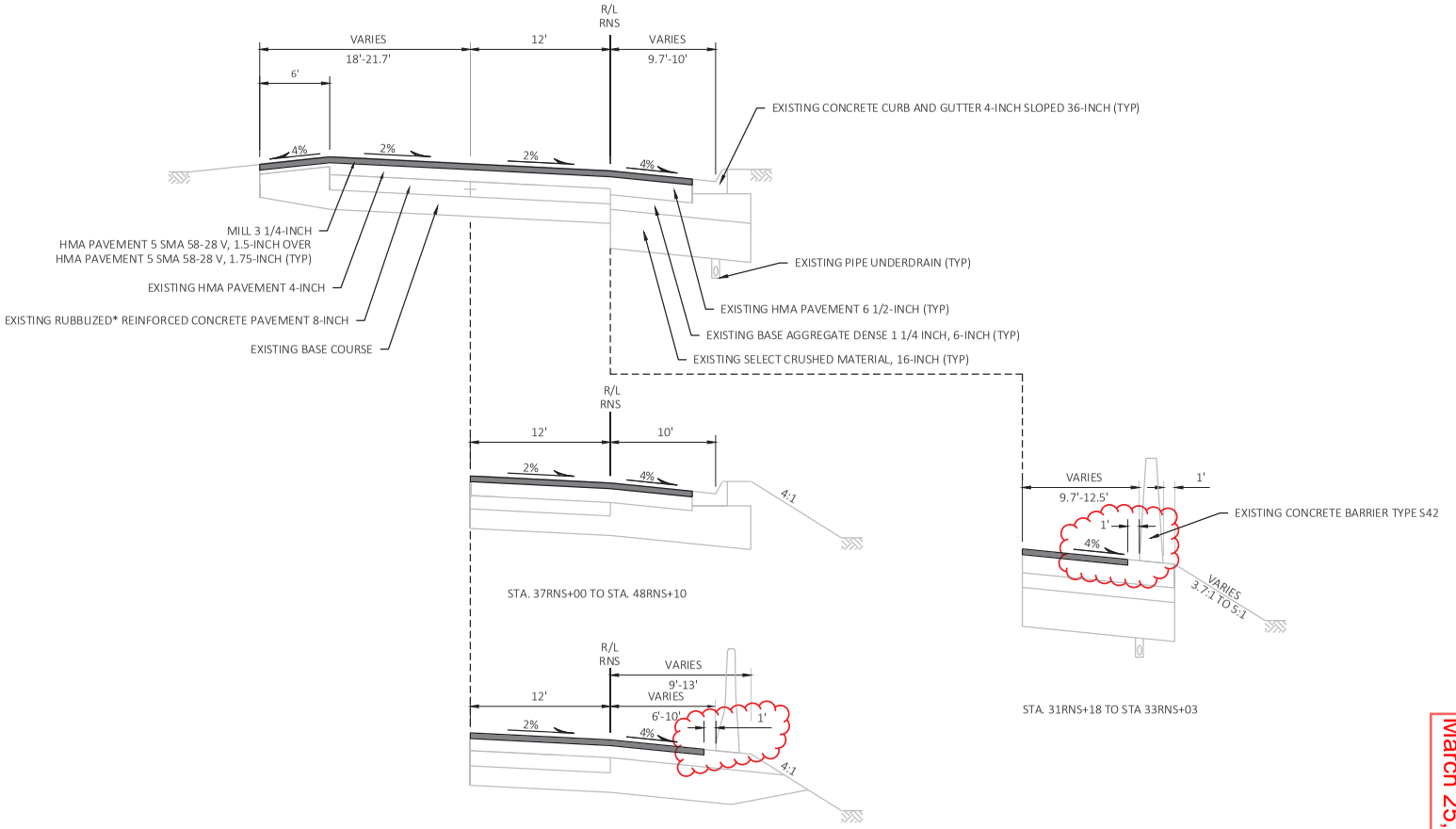
STA. 112RSN+29 TO STA. 129RSN+71

STA. 119RSN+82 TO STA. 119RSN+91
STA. 128RSN+80 TO STA. 129RSN+71

Addendum No. 01
ID 1100-05-73
Revised Sheet 20
March 25, 2025

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

2



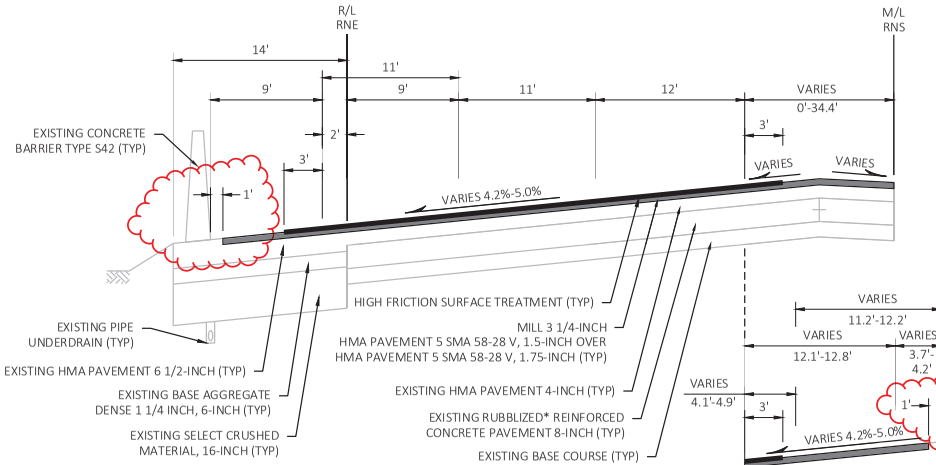
TYPICAL FINISHED SECTION
RAMP NS
STA. 31RNS+18 TO STA 49RNS+55

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

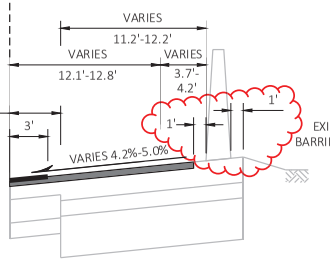
Addendum No. 01
ID 1100-05-73
Revised Sheet 21
March 25, 2025

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 21	E

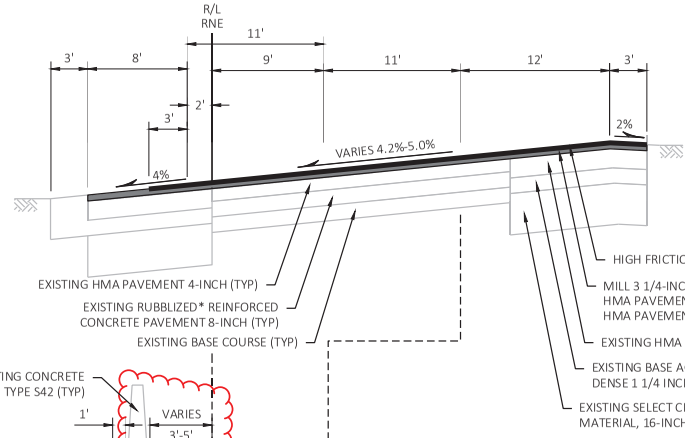
Addendum No. 01
ID 1100-05-73
Revised Sheet 22
March 25, 2025

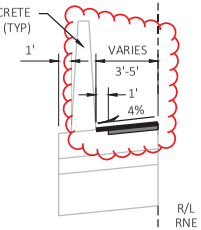


TYPICAL FINISHED SECTION
RAMP NE
STA. 30RNE+53 TO STA. 34RNE+25

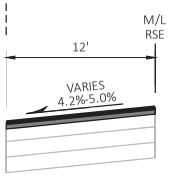


STA. 30RNE+53 TO STA. 31RNE+19

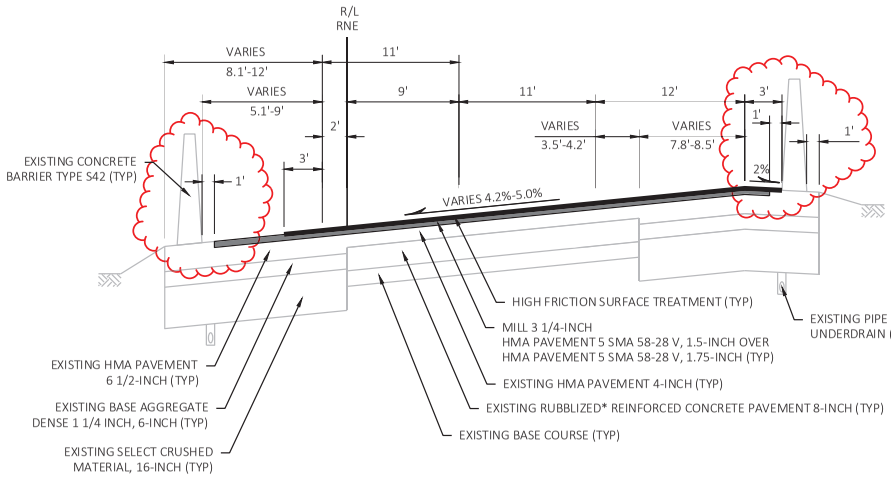




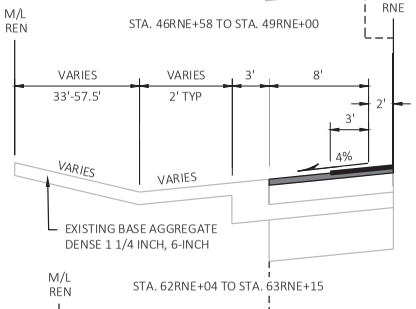
STA. 46RNE+58 TO STA. 49RNE+00



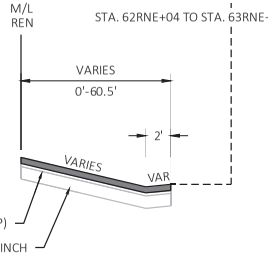
STA. 49RNE+43 TO STA. 53RNE+64



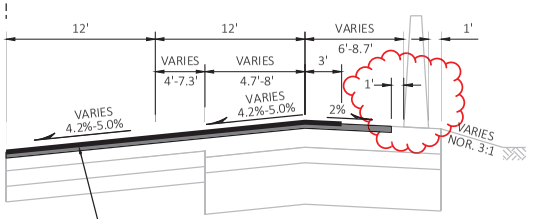
TYPICAL FINISHED SECTION
RAMP NE
STA. 34RNE+25 TO STA. 40RNE+18



STA. 62RNE+04 TO STA. 63RNE+15



STA. 64RNE+50 TO STA. 67RNE+72



HIGH FRICTION SURFACE TREATMENT STA. 53RNE+64 TO STA. 65RNE+09

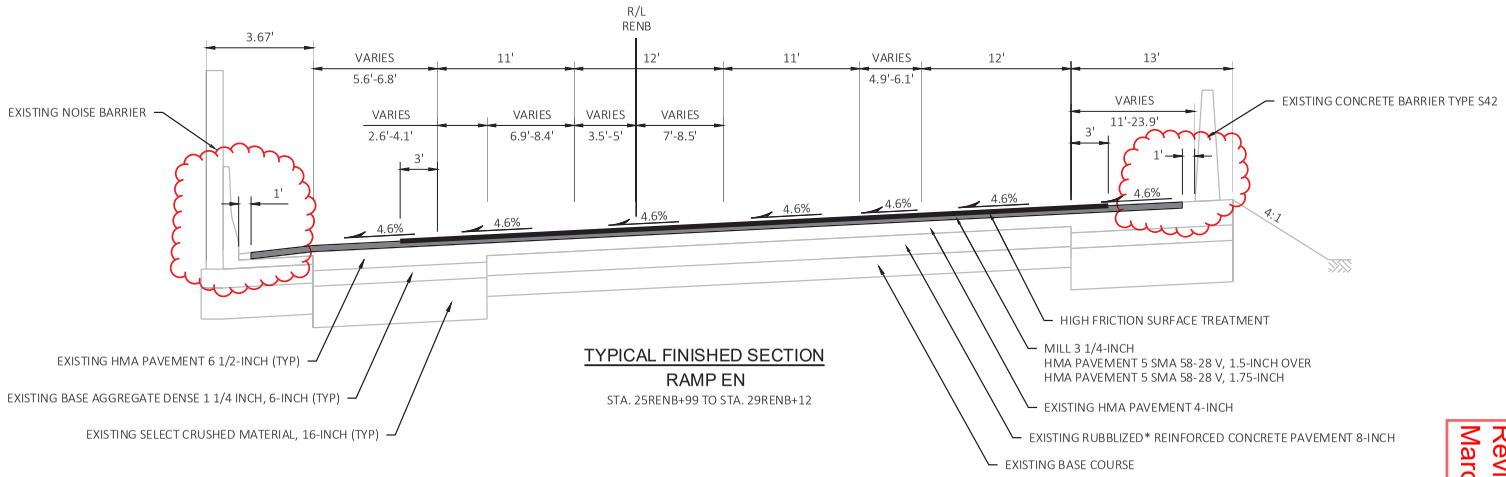
STA. 53RNE+64 TO STA. 66RNE+94

TYPICAL FINISHED SECTION
RAMP NE
STA. 46RNE+58 TO STA. 67RNE+72

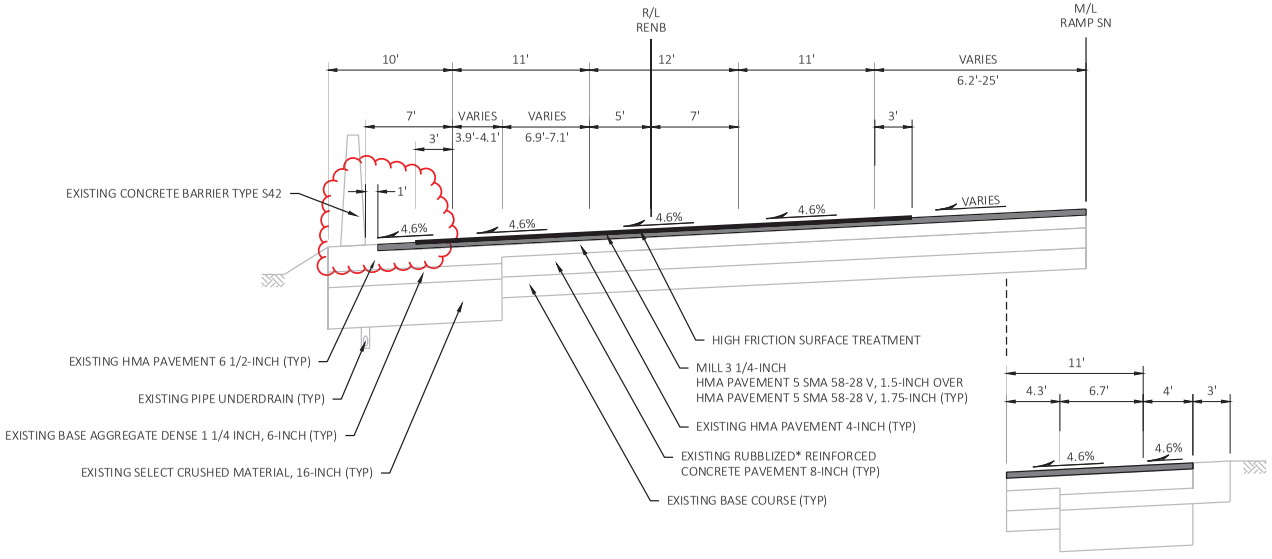
*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 22	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 16
PLOT DATE : 3/12/2025 11:16 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION
RAMP EN
STA. 25RENB+99 TO STA. 29RENB+12



TYPICAL FINISHED SECTION
RAMP EN
STA. 30RENB+44 TO STA. 33RENB+97

STA. 33RENB+34 TO STA. 33RENB+97

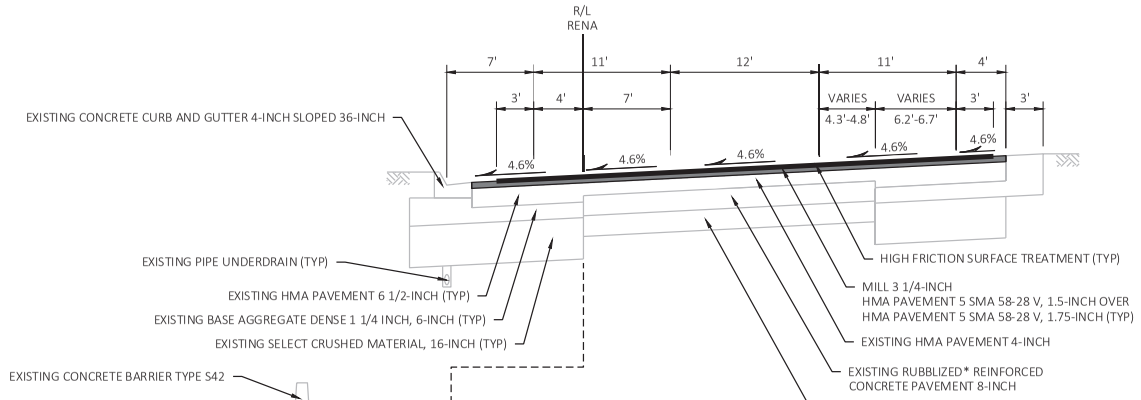
*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

Addendum No. 01
ID 1100-05-73
Revised Sheet 23
March 25, 2025

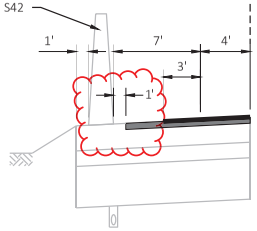
PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 23	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 17
PLOT DATE : 3/12/2025 11:24 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

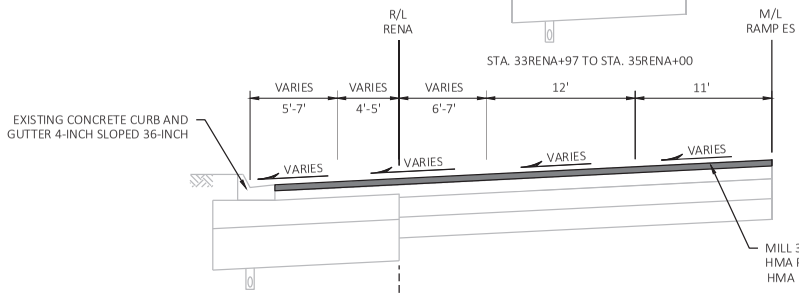
Addendum No. 01
ID 1100-05-73
Revised Sheet 24
March 25, 2025

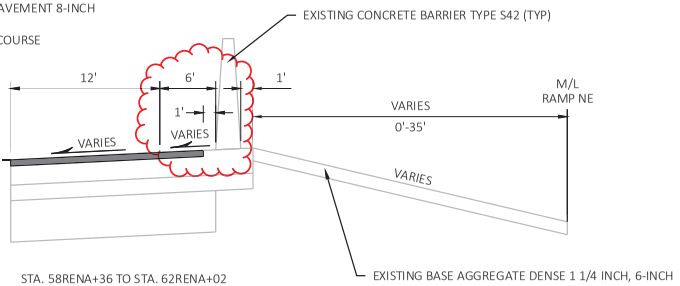


TYPICAL FINISHED SECTION
RAMP EN
STA. 33RENA+97 TO STA. 41RENA+06

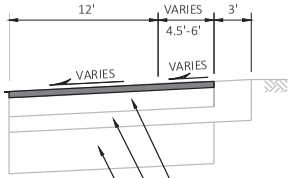


STA. 33RENA+97 TO STA. 35RENA+00

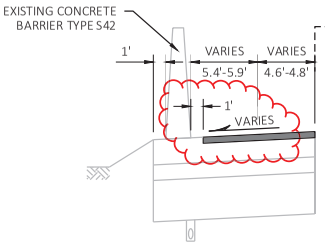




STA. 58RENA+36 TO STA. 62RENA+02

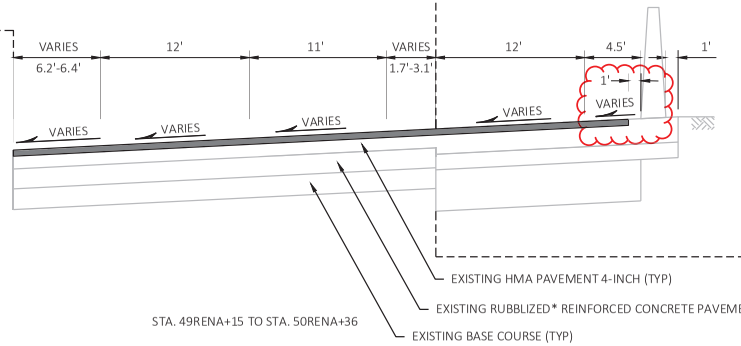


STA. 50RENA+36 TO STA. 58RENA+36



STA. 48RENA+80 TO STA. 50RENA+34

TYPICAL FINISHED SECTION
RAMP EN
STA. 44RENA+01 TO STA. 62RENA+81

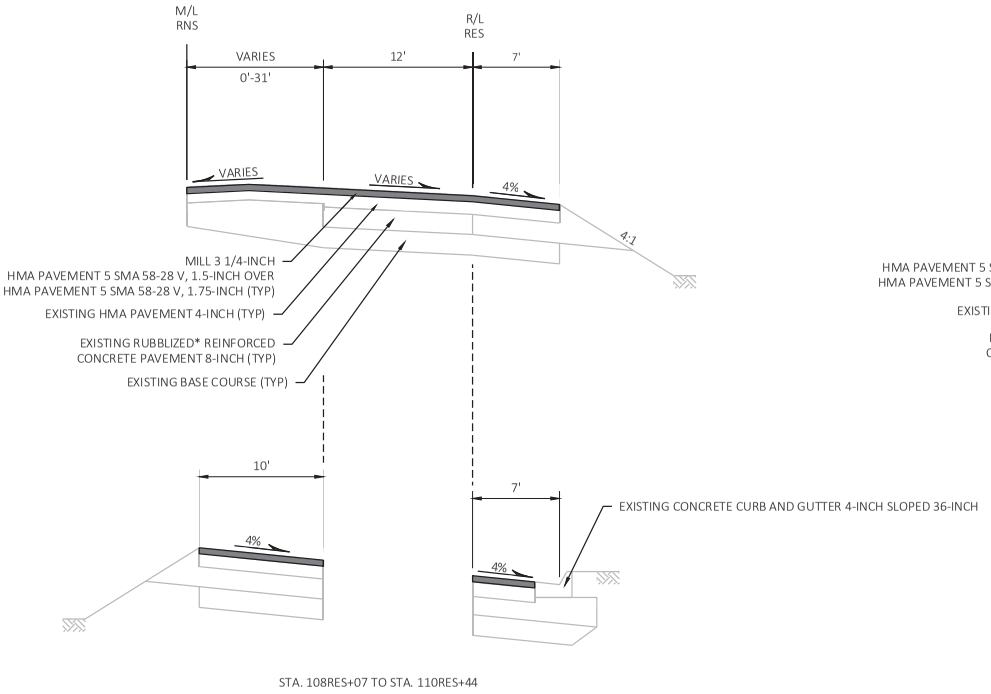


STA. 49RENA+15 TO STA. 50RENA+36

*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

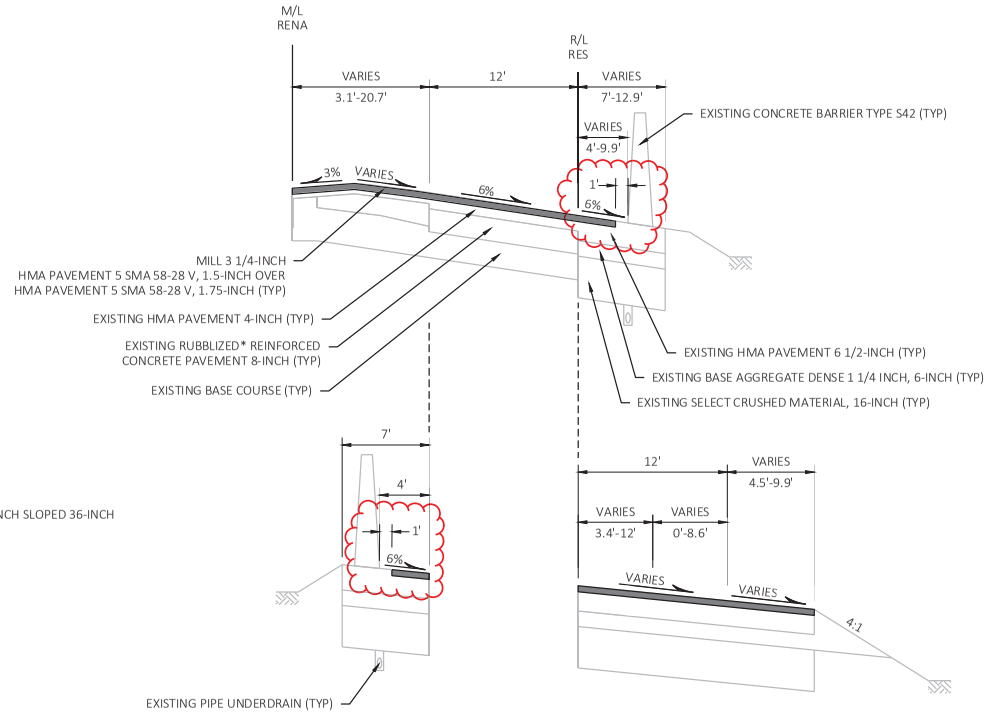
PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 24	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\020301-TS.DWG
LAYOUT NAME - 18
PLOT DATE : 3/12/2025 11:30 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



STA. 108RES+07 TO STA. 110RES+44

TYPICAL FINISHED SECTION
RAMP ES
STA. 104RES+82 TO STA. 110RES+44



STA. 122RES+26 TO STA. 122RSE+43

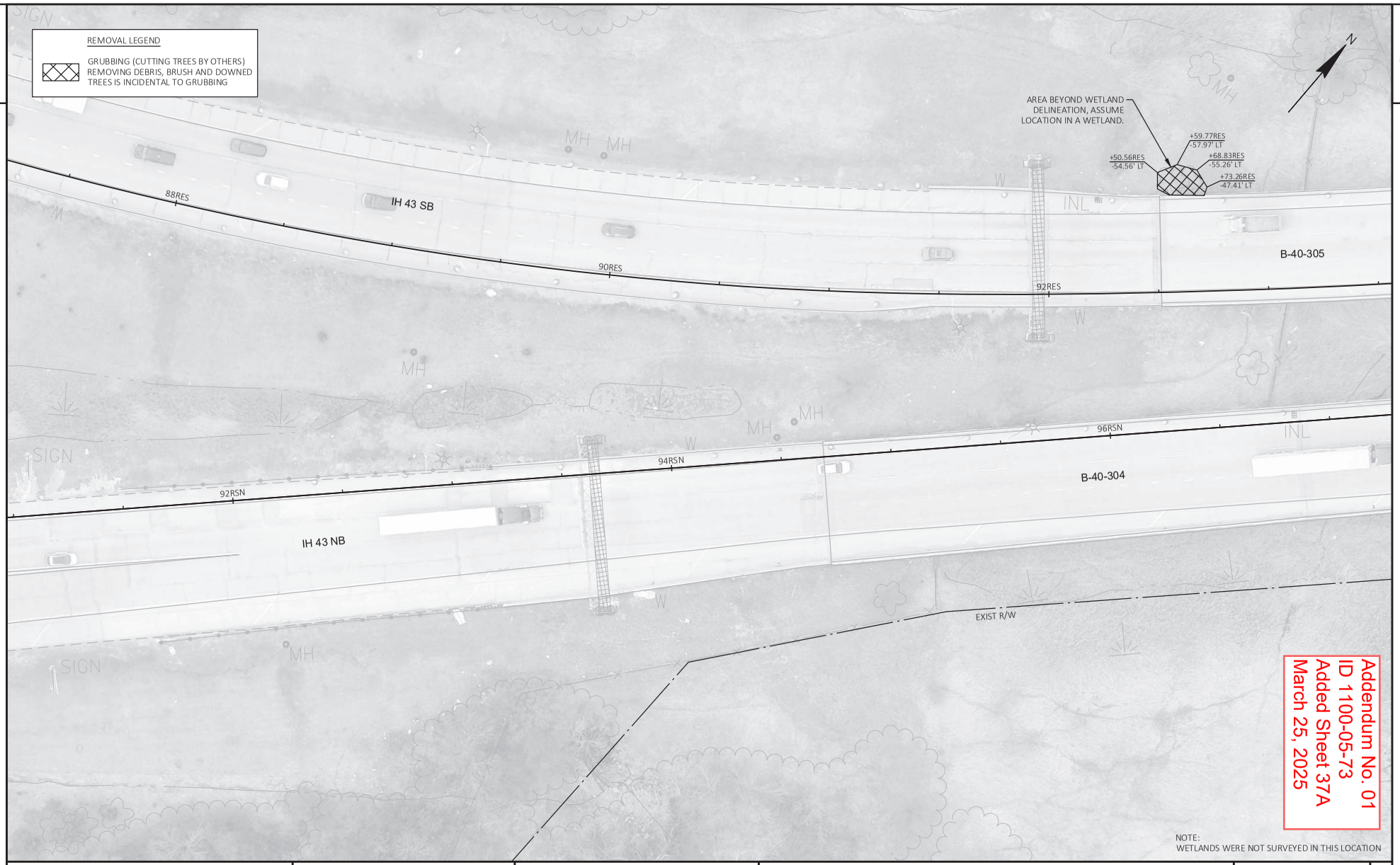
STA. 124RES+41 TO STA. 127RES+32

TYPICAL FINISHED SECTION
RAMP ES
STA. 122RES+26 TO STA. 127RES+32

Addendum No. 01
ID 1100-05-73
Revised Sheet 26
March 25, 2025

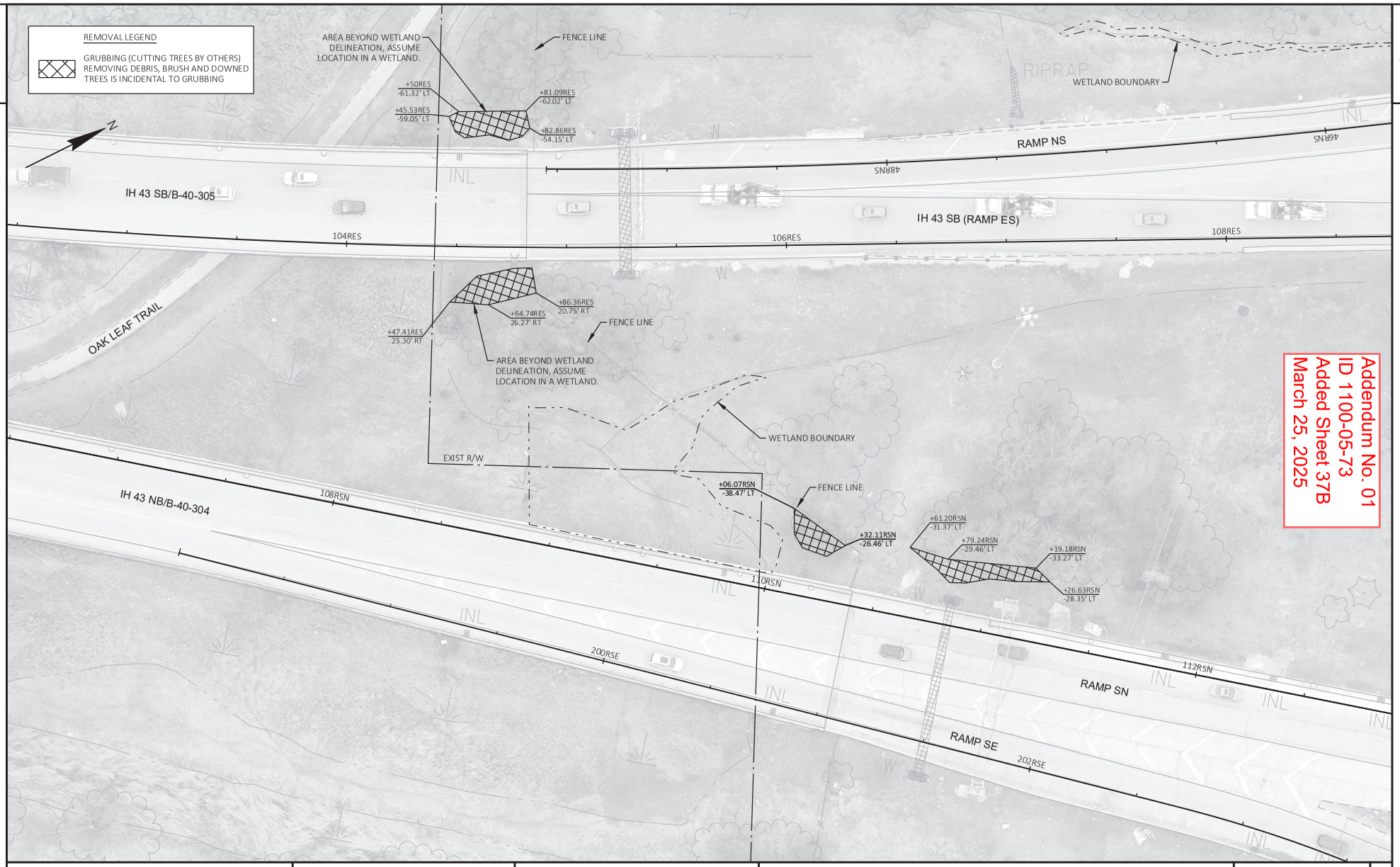
*CONCRETE WAS "RUBBLIZED" IN 2003. HOWEVER, CONCRETE WAS NOT PROPERLY RUBBLIZED AND IS CONSIDERED JUST CRACKED IN LARGE PIECES.

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 26	E



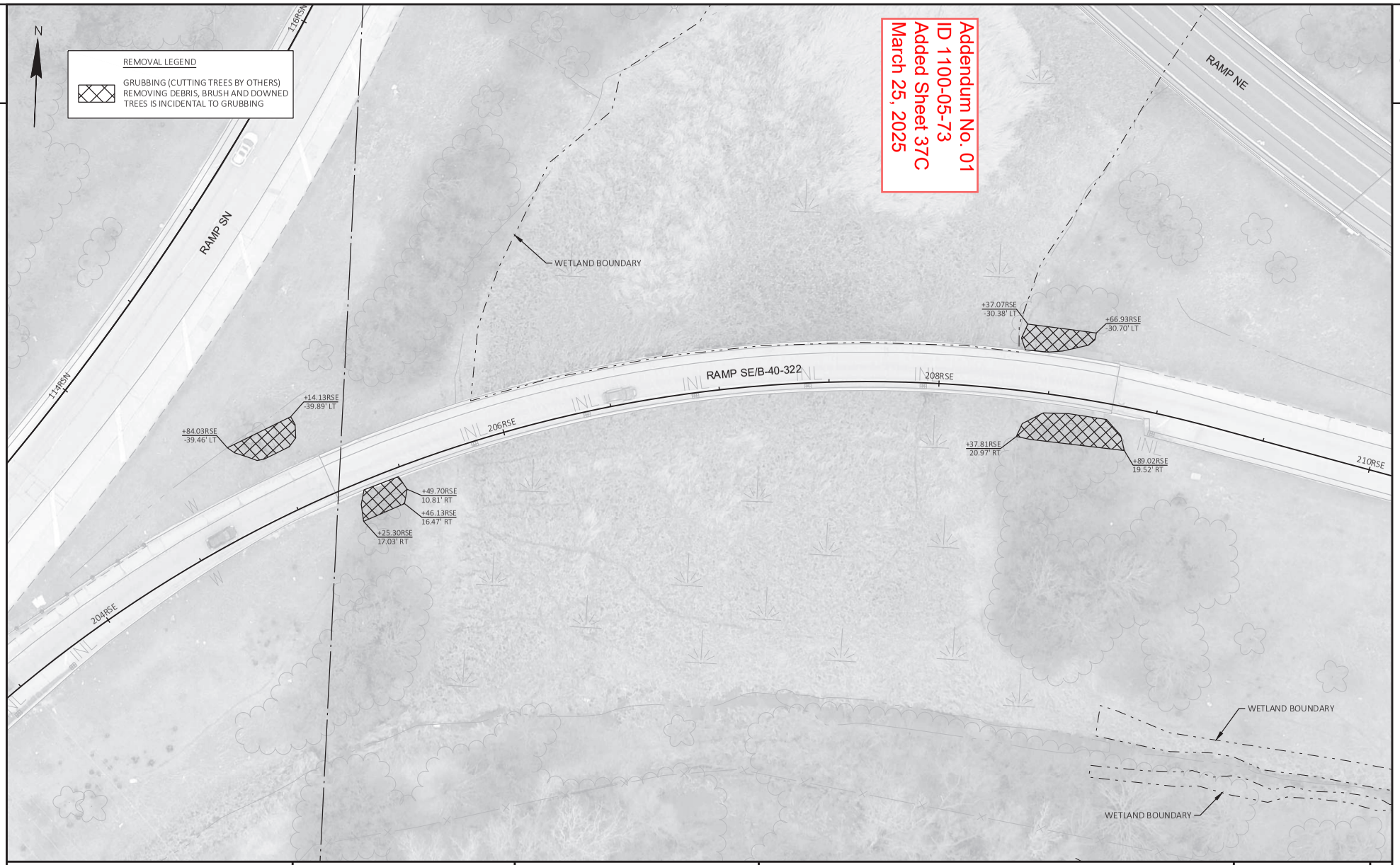
PROJECT NO: 1090-03-75	HWY: IH 43	COUNTY: MILWAUKEE	REMOVAL PLAN (B-40-304 & B-40-305)	SHEET 37A	E

FILE NAME : N:\PDS\C3D\1090305\SHEETS\021101-RM.DWG
LAYOUT NAME - B-40-304&305-S
PLOT DATE : 3/4/2025 7:31 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



PROJECT NO: 1090-03-75	HWY: IH 43	COUNTY: MILWAUKEE	REMOVAL PLAN (B-40-304 & B-40-305)	SHEET 37B	E

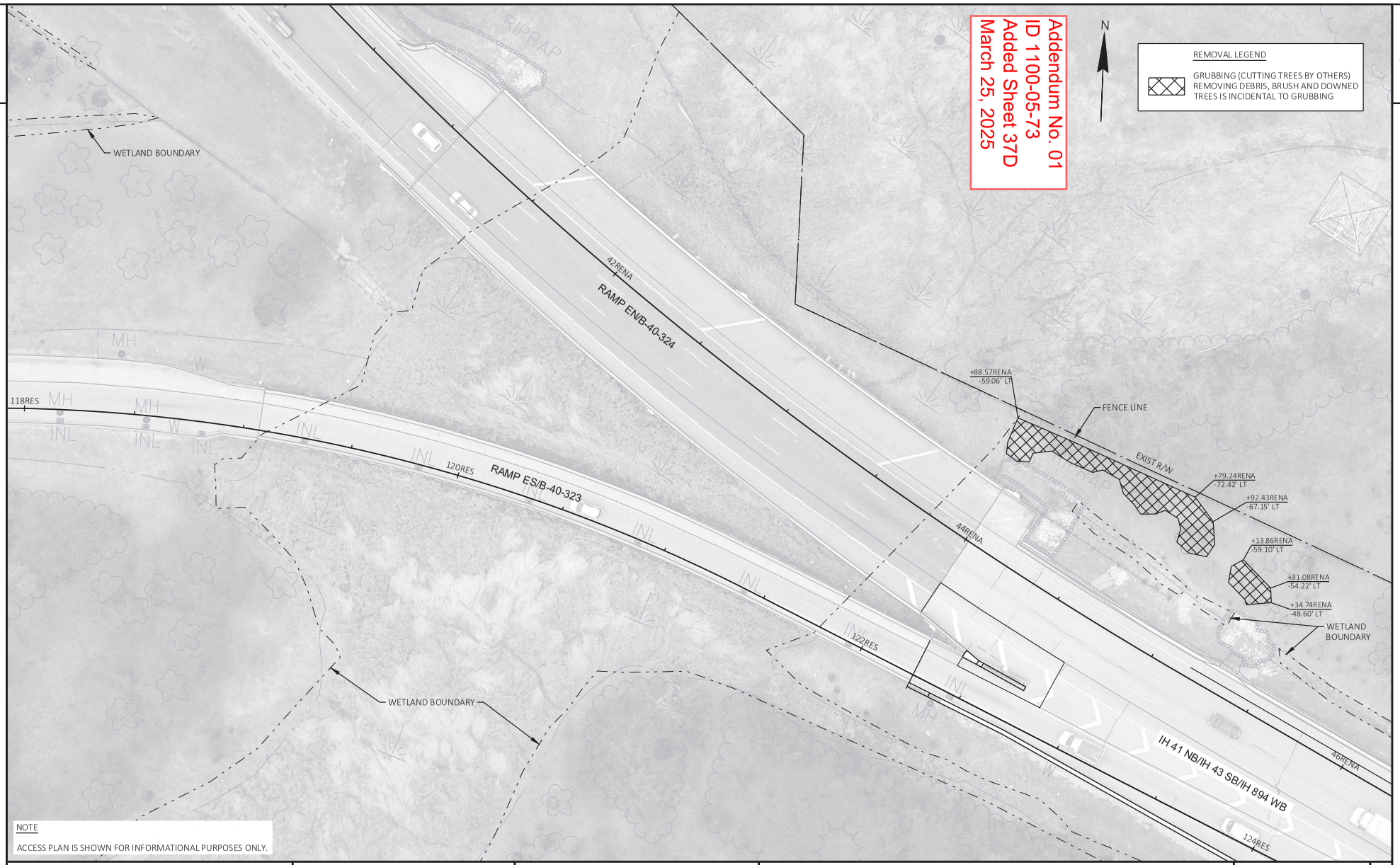
FILE NAME : N:\PDS\C3D\10900305\SHEETS\021101-RM.DWG
LAYOUT NAME - B-40-304&305-N
PLOT DATE : 3/4/2025 7:19 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



PROJECT NO: 1090-03-75	HWY: IH 43	COUNTY: MILWAUKEE	REMOVAL PLAN (B-40-322)	SHEET 37C	E

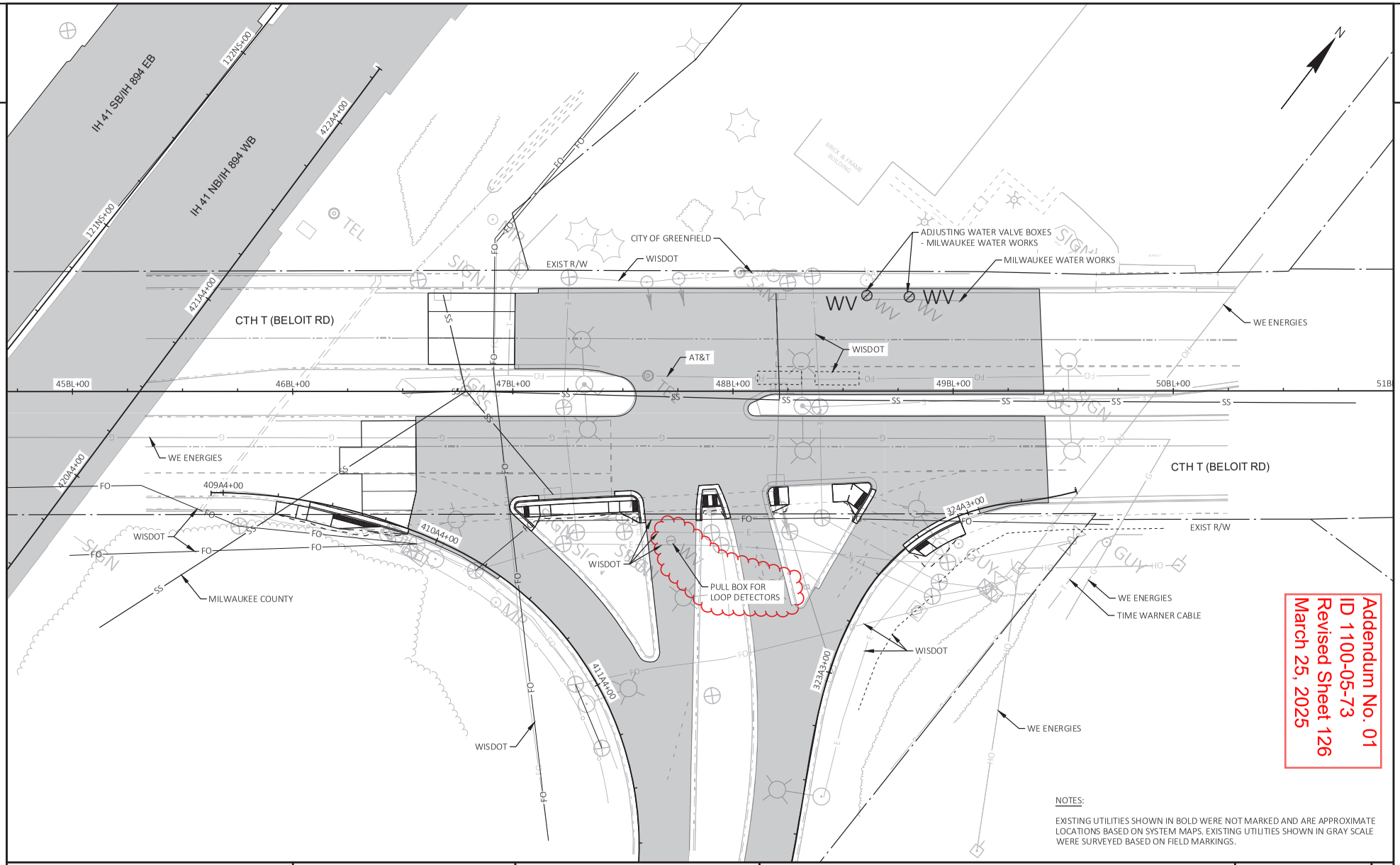
FILE NAME : N:\PDS\C3D\10900305\SHEETS\021101-RM.DWG
LAYOUT NAME - B-40-322
PLOT DATE : 3/4/2025 7:37 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1090-03-75	HWY: IH 43	COUNTY: MILWAUKEE	REMOVAL PLAN (B-40-324)	SHEET 37D	E

FILE NAME : N:\PDS\C3D\10900305\SHEETS\021101-RM.DWG
LAYOUT NAME - B-40-323&324
PLOT DATE : 3/4/2025 7:45 AM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



Addendum No. 01
ID 1100-05-73
Revised Sheet 126
March 25, 2025

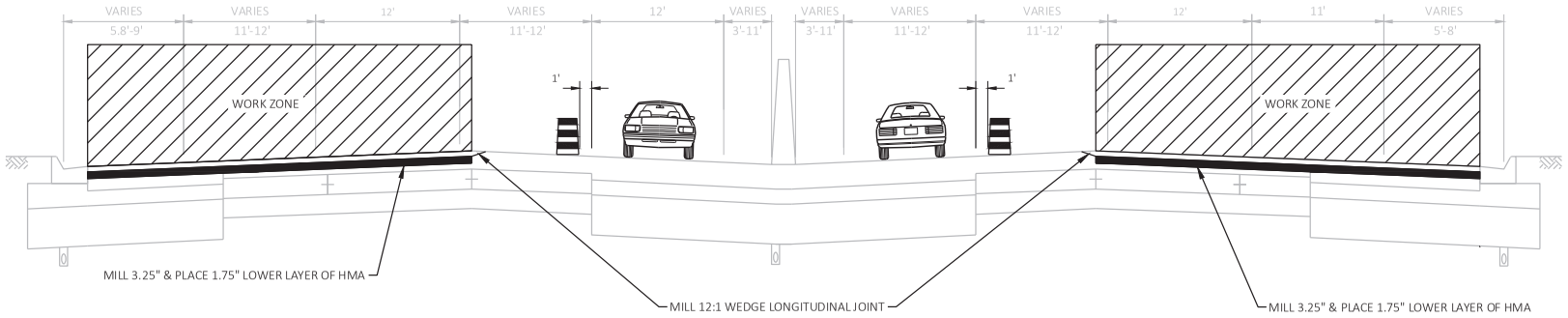
NOTES:

EXISTING UTILITIES SHOWN IN BOLD WERE NOT MARKED AND ARE APPROXIMATE LOCATIONS BASED ON SYSTEM MAPS. EXISTING UTILITIES SHOWN IN GRAY SCALE WERE SURVEYED BASED ON FIELD MARKINGS.

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	WATER VALVE ADJUSTMENTS - BELOIT ROAD	SHEET 126	E

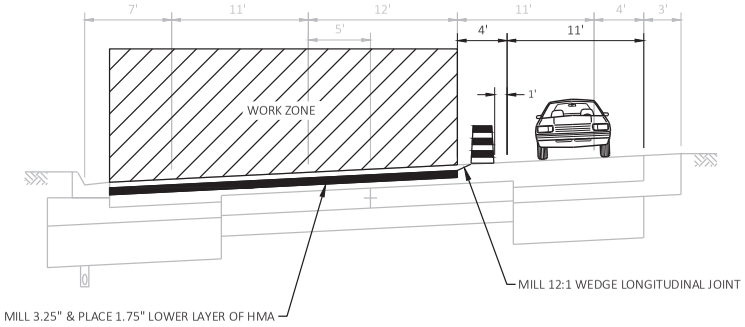
FILE NAME : N:\PDS\C3D\11000503\SHEETS\023001-UP.DWG
LAYOUT NAME - LOCAL-1
PLOT DATE : 3/12/2025 1:32 PM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

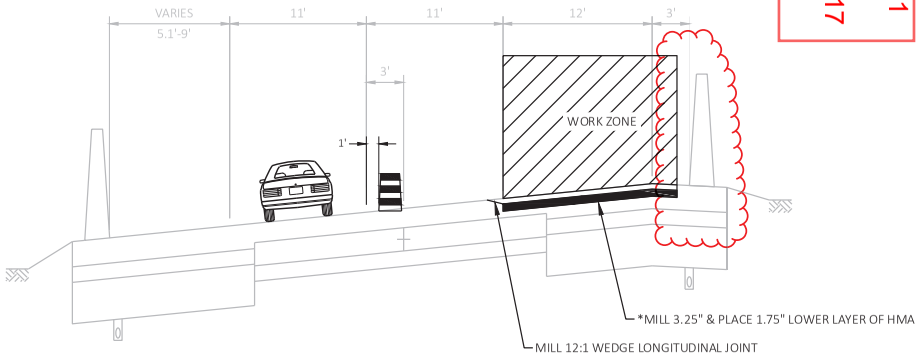


TYPICAL SECTION
IH 894/IH 43/IH 41 (HALE I/C)
STAGE 2A
OVERNIGHT

Addendum No. 01
ID 1100-05-73
Revised Sheet 217
March 25, 2025



TYPICAL SECTION
RAMP EN
STAGE 2A
OVERNIGHT

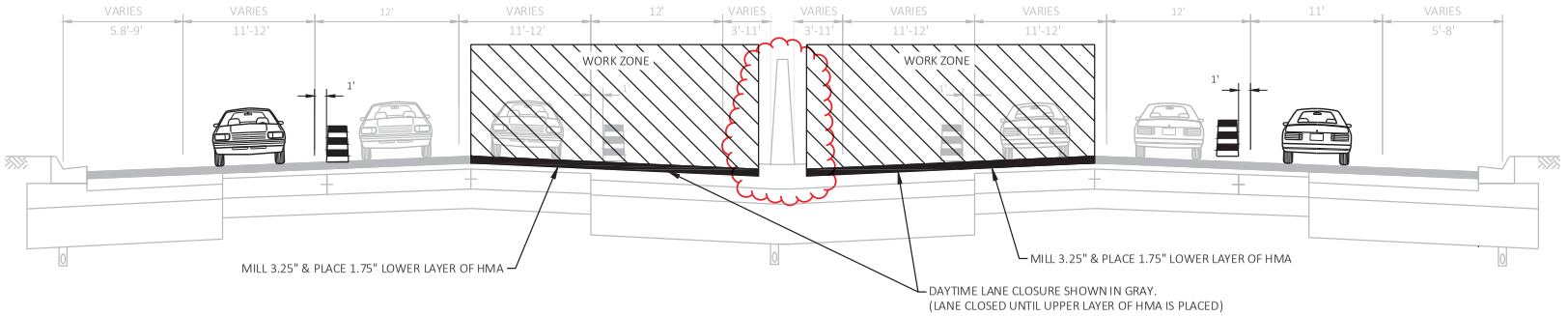


TYPICAL SECTION
RAMP NE
STAGE 2A
OVERNIGHT

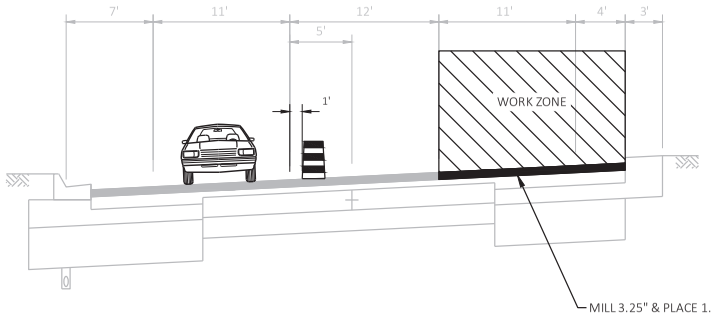
*FROM STA 35RNE+00 TO STA 38RNE+00,
PLACE UPPER LAYER OF HMA PRIOR TO
OPENING TO TRAFFIC.

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGING TYPICALS - HALE I/C (STAGE 2A)	SHEET 217	E

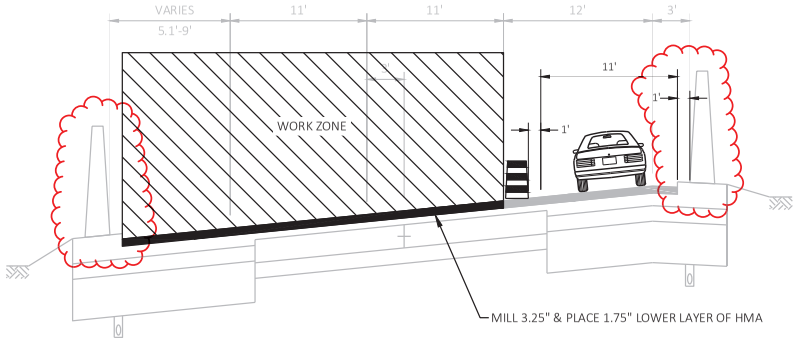
FILE NAME : N:\PDS\C3D\1100503\SHEETS\025100-TC.DWG
LAYOUT NAME - Hale IC Typ-2A
PLOT DATE : 3/12/2025 12:34 PM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



TYPICAL SECTION
IH 894/IH 43/IH 41 (HALE I/C)
STAGE 2B
OVERNIGHT



TYPICAL SECTION
RAMP EN
STAGE 2B
OVERNIGHT

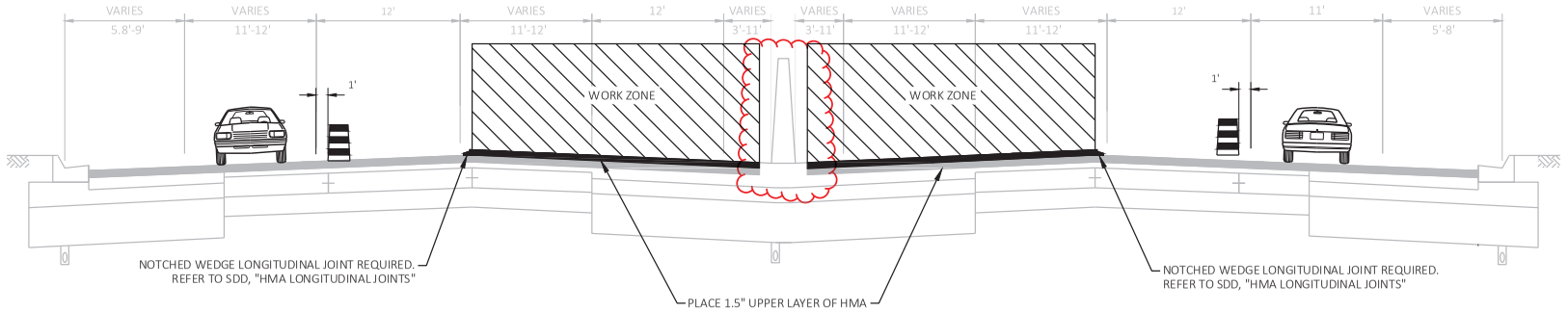


TYPICAL SECTION
RAMP NE
STAGE 2B
OVERNIGHT

Addendum No. 01
ID 1100-05-73
Revised Sheet 218
March 25, 2025

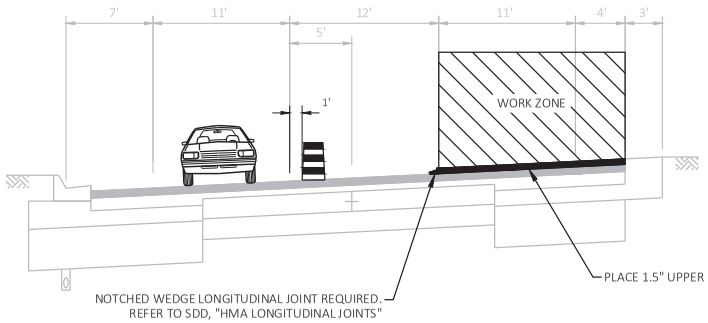
PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGING TYPICALS - HALE I/C (STAGE 2B)	SHEET 218	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\025100-TC.DWG
LAYOUT NAME - Hale IC Typ-2B
PLOT DATE : 3/12/2025 1:05 PM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

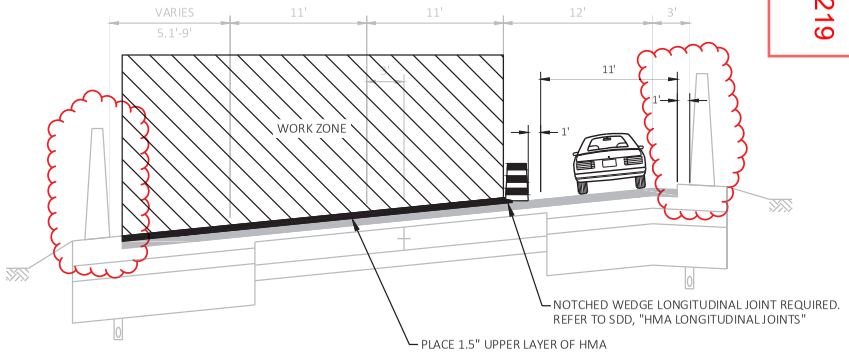


TYPICAL SECTION
IH 894/IH 43/IH 41 (HALE I/C)
STAGE 3A
OVERNIGHT

Addendum No. 01
ID 1100-05-73
Revised Sheet 219
March 25, 2025



TYPICAL SECTION
RAMP EN
STAGE 3A
OVERNIGHT

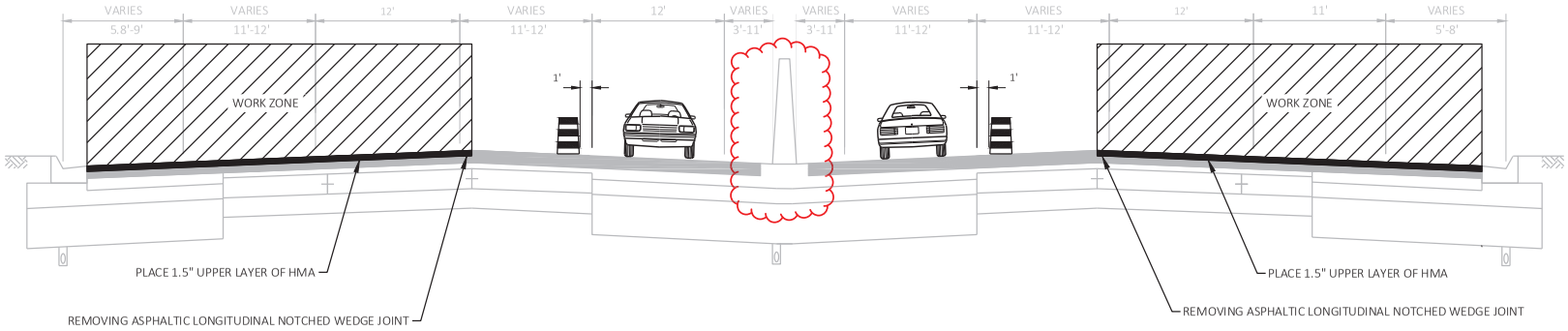


TYPICAL SECTION
RAMP NE
STAGE 3A
OVERNIGHT

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGING TYPICALS - HALE I/C (STAGE 3A)	SHEET 219	E

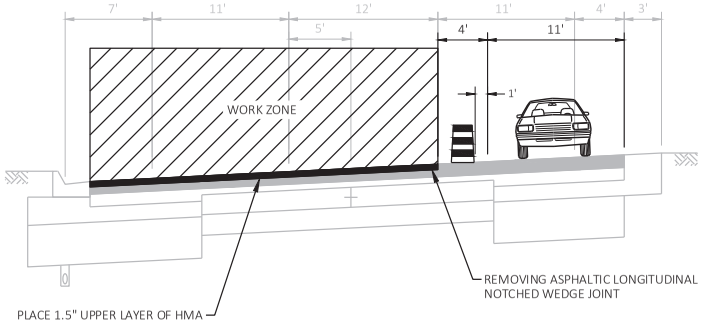
FILE NAME : N:\PDS\C3D\11000503\SHEETS\025100-TC.DWG
LAYOUT NAME - Hale IC Typ-3A
PLOT DATE : 3/12/2025 1:01 PM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

2

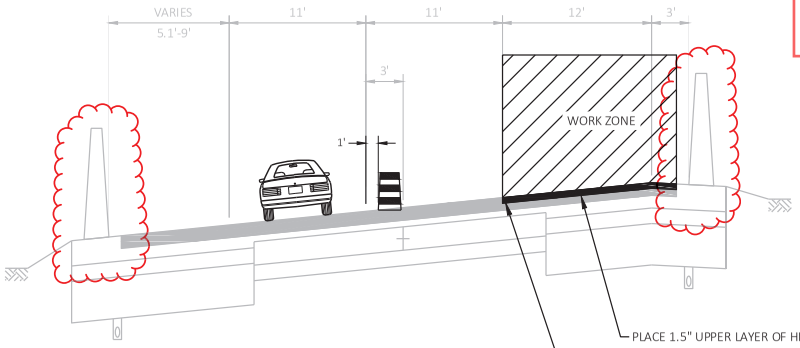


TYPICAL SECTION
IH 894/IH 43/IH 41 (HALE I/C)
STAGE 3B
OVERNIGHT

Addendum No. 01
ID 1100-05-73
Revised Sheet 220
March 25, 2025



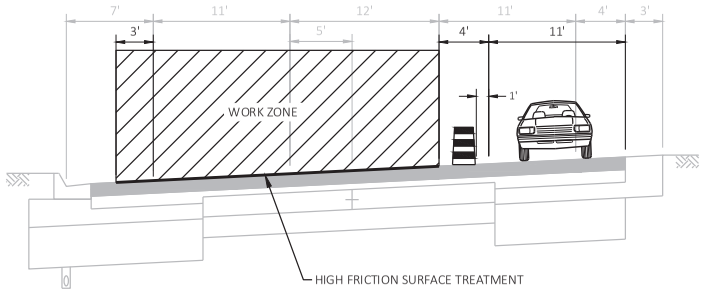
TYPICAL SECTION
RAMP EN
STAGE 3B
OVERNIGHT



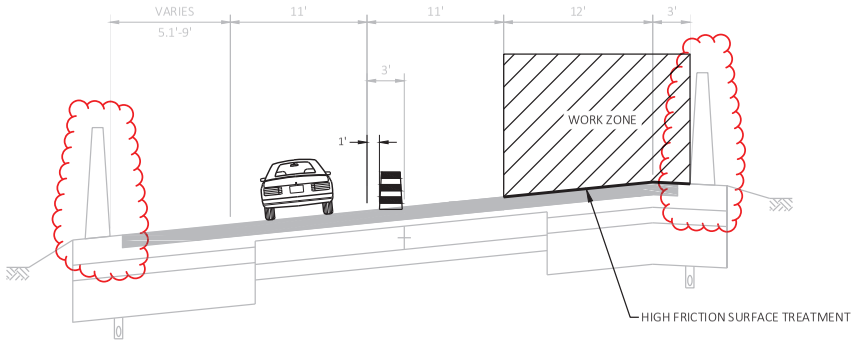
TYPICAL SECTION
RAMP NE
STAGE 3B
OVERNIGHT

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGING TYPICALS - HALE I/C (STAGE 3B)	SHEET 220	E

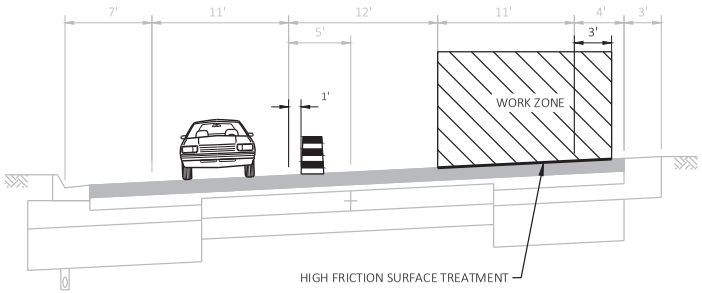
FILE NAME : N:\PDS\C3D\1100503\SHEETS\025100-TC.DWG
LAYOUT NAME - Hale IC Typ-3B
PLOT DATE : 3/12/2025 12:56 PM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



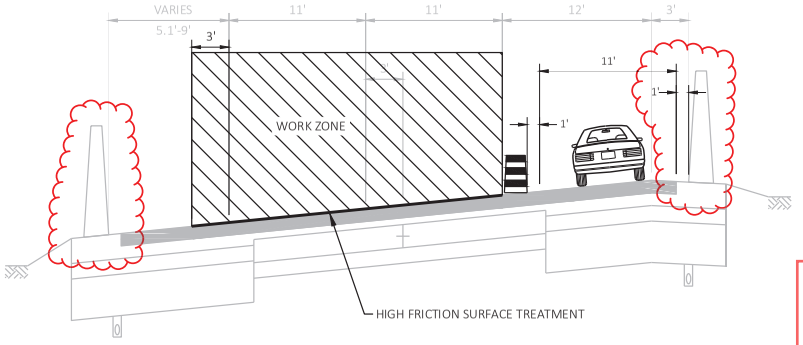
TYPICAL SECTION
RAMP EN
STAGE 4A
OVERNIGHT



TYPICAL SECTION
RAMP NE
STAGE 4A
OVERNIGHT



TYPICAL SECTION
RAMP EN
STAGE 4B
OVERNIGHT



TYPICAL SECTION
RAMP NE
STAGE 4B
OVERNIGHT

Addendum No. 01
ID 1100-05-73
Revised Sheet 221
March 25, 2025

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGING TYPICALS - HALE I/C (STAGE 4)	SHEET 221	E

FILE NAME : N:\PDS\C3D\1100503\SHEETS\025100-TC.DWG
LAYOUT NAME - Hale IC Typ-4
PLOT DATE : 3/12/2025 1:16 PM
PLOT BY : JOHANSEN, AMANDA A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

3

GRUBBING (1090-03-75)

CATEGORY	STATION	TO	STATION	OFFSET	LOCATION	201.0205 GRUBBING STA
1000	92RES+00	-	93RES+00	LT	IH 43 SB (B-40-305)	1
	104RES+00	-	105RES+00	LT		1
	104RES+00	-	105RES+00	RT		1
	110RSN+00	-	112RSN+00	LT	IH 43 NB (B-40-304)	2
	204RSE+00	-	206RSE+00	LT	HALE I/C RAMP SE (B-40-322)	2
	205RSE+00	-	206RSE+00	RT		1
	208RSE+00	-	209RSE+00	LT		1
	208RSE+00	-	209RSE+00	RT		1
	43RENA+00	-	46RENA+00	LT	HALE I/C RAMP EN (B-40-324)	3
	PROJECT TOTAL					13

REMOVALS (1090-03-75)

CATEGORY	LOCATION	STATION	TO	STATION	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	690.0250 SAWING CONCRETE LF	REMARKS
1000	STH 100/B-40-302	1066+56	-	1066+66	10	6	12	IMPACTED BY WING WALL REPLACEMENT
				PROJECT TOTAL	10	6	12	

CONCRETE ITEMS (1090-03-75)

CATEGORY	LOCATION	STATION	TO	STATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	602.0410 CONCRETE SIDEWALK 5-INCH SF	SPV.0090.01 SPECIAL (001. CONCRETE CURB & GUTTER 31-INCH, MODIFIED) LF	REMARKS
1000	STH 100/B-40-302	1066+56	-	1066+66	1	50	10	IMPACTED BY WING WALL REPLACEMENT
				PROJECT TOTAL	1	50	10	

EROSION CONTROL & RESTORATION (1090-03-75)

CATEGORY	STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.016 SEEDING MIXTURE NO. 60 LB	630.0170 SEEDING MIXTURE NO. 70 LB	630.0500 SEED WATER MGAL	REMARKS
1000	82EW+95	-	74NS+00	I894: HALE INTERCHANGE	20,226	20,226	10	774	136	454	ACCESS ROUTE FOR BRIDGE WORK
				PROJECT TOTAL	20,226	20,226	10	774	136	454	

BASIC TRAFFIC QUEUE WARNING SYSTEM (1090-03-75)

CATEGORY	STAGE	HIGHWAY	BRIDGE/LOCATION	FLASHING BEACON SIGNS (FBS)	PORTABLE TRAFFIC SENSORS (PTS)	643.1205.S BASIC TRAFFIC QUEUE WARNING SYSTEM DAY
1000	3	IH 43 NB	B-40-300/B-40-301/B-40-302	6	3	15
	4			6	3	15
	1	IH 43 NB	B-40-304/B-40-305	6	3	75
				6	3	75
	UNDISTRIBUTED					45
	CATEGORY 1000 TOTAL					225

THESE ITEMS ARE PART OF THE QWS AND ARE PAID FOR ONE COMPLETE SYSTEM PER ROADWAY

Addendum No. 01
ID 1100-05-73
Revised Sheet 475
March 25, 2025

TRAFFIC CONTROL - CLOSURES (1090-03-75)

CATEGORY	BRIDGE/LOCATION	643.4100 TRAFFIC CONTROL INTERIM LANE CLOSURE EACH	SPV.0060.006 TRAFFIC CONTROL CLOSE-OPEN FREEWAY ENTRANCE RAMP EACH	SPV.0060.007 TRAFFIC CONTROL CLOSE-OPEN FREEWAY TO FREEWAY SYSTEM RAMP EACH	SPV.0060.008 TRAFFIC CONTROL FULL FREEWAY CLOSURE EACH
1000	B-40-188	10	--	7	1
	B-40-189	5	--	10	--
	B-40-300	10	--	--	--
	B-40-301	40	--	--	--
	B-40-302	40	--	--	--
	B-40-303	15	--	--	--
	B-40-304	50	30	30	--
	B-40-305	55	30	30	--
	B-40-322	--	--	1	--
	B-40-323	--	--	1	--
	B-40-324	10	--	--	--
		235	60	79	1

NOTE: QUANTITIES FOR WORK ON THE FOLLOWING BRIDGES ARE INCLUDED IN THE RESURFACING PROJECT 1100-05-73: B-40-119, B-40-120, B-40-123, B-40-124, B-40-186 & B-40-187.

HIGH FRICTION SURFACE TREATMENT

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	SPV.0180.001 SPECIAL (RESIN BINDER HIGH FRICTION SURFACE TREATMENT) SY	REMARKS
1000	1	25+99 RENB	-	29+11 RENB	RAMP E-N	897	HALE INTERCHANGE (SEGMENT 1)
		30+59 RENB	-	41+06 RENA	RAMP E-N	3,042	HALE INTERCHANGE (SEGMENT 1)
		30+55 RNE	-	40+27 RNE	RAMP N-E	1,582	HALE INTERCHANGE (SEGMENT 1)
		46+58 RNE	-	65+09 RNE	RAMP N-E	4,646	HALE INTERCHANGE (SEGMENT 1)
		112+29 RSN	-	118+82 RSN	RAMP S-N	2,110	RAMP CLOSED-FULL AREA
		119+82 RSN	-	124+42 RSN	RAMP S-N	1,430	RAMP CLOSED-FULL AREA
					STAGE 1 SUBTOTAL	13,708	
	2	25+99 RENB	-	29+03 RENB	RAMP E-N	1,031	HALE INTERCHANGE (SEGMENT 1)
		30+49 RENB	-	41+06 RENA	RAMP E-N	1,674	HALE INTERCHANGE (SEGMENT 1)
		30+53 RNE	-	40+18 RNE	RAMP N-E	2,686	HALE INTERCHANGE (SEGMENT 1)
		46+66 RNE	-	65+9 RNE	RAMP N-E	5,145	HALE INTERCHANGE (SEGMENT 1)
					STAGE 2 SUBTOTAL	10,536	
		290+84 C2	-	301+91 C2	RAMP C-2 ON NATIONAL AVE	2,791	RAMPS AND LOCAL ROADS (SEGMENT 3)
		576+82 C4	-	587+00 C4	RAMP C-4 ON NATIONAL AVE	2,558	
					SEGMENT 3 SUBTOTAL	5,348	
					CATEGORY 1000 TOTAL	29,593	

BEAM GUARD

CATEGORY	STATION	TO	STATION	LOCATION	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
1000	92+47 NS	-	93+41.77 NS	I41SB	36	39.4	1
	98+68 NS	-	99+60.44 NS	I41SB	36	39.4	1
	146+63 NS	-	147+56.3NS	I41NB	36	39.4	1
	153+20 NS	-	154+14.8 NS	I41SB	36	39.4	1
	251+03 B2	-	251+89.49 B2	OKLAHOMA ON RAMP TO I41NB	36	39.4	1
	485+04 C3	-	485+96.48 C3	I41NB OFF RAMP TO NATIONAL	36	39.4	1
	79+30 EW	-	80+22.13 EW	I41SB	36	39.4	1
	213+19 RSE	-	214+11.12 RSE	RAMP SE (SB)	36	39.4	1
	291+34 C2	-	292+27.098 C2	NATIONAL ON RAMP TO I41SB	36	39.4	1
				CATEGORY 1000 TOTAL	324	355	9

CONCRETE BARRIER

CATEGORY	STATION	TO	STATION	LOCATION	603.1136 CONCRETE BARRIER TYPE S36 LF
1000	251B2+88	-	252B2+22	OKLAHOMA AVE ON RAMP	34
				CATEGORY 1000 TOTAL	34

Addendum No. 01
ID 1100-05-73
Revised Sheet 483
March 25, 2025

DRAINAGE

CATEGORY	STATION	OFFSET	LOCATION	204.0220 REMOVING INLETS EACH	611.0642 INLET COVERS TYPE MS EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	SPV.0060.004 (RECONNECT STORM SEWER LATERALS) EACH	REMARKS
1000	182NS+50	RT	I894	1	2	1	1	REPLACE INLET. GRADE AROUND INLET TO DIRECT WATER INTO THE STRUCTURE
			CATEGORY 1000 TOTAL	1	2	1	1	

ADJUSTING WATER VALVES

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0060.002 SPECIAL (ADJUSTING WATER VALVE BOXES - MILWAUKEE WATER WORKS) EACH	SPV.0060.003 SPECIAL (ADJUSTING WATER VALVE BOXES - CITY OF WEST ALLIS) EACH
7000	47BL+75	-	48BL+75	BELOIT RD	2	--
				CATEGORY 7000 TOTAL	2	--
7010	50NT+25			NATIONAL AVE	--	1
	50LN+00	-	50LN+25	LINCOLN AVE	--	3
				CATEGORY 7010 TOTAL	--	4
				PROJECT TOTAL	2	4

HANDRAIL & GUARDRAIL EXTENSION

CATEGORY	LOCATION	SPV.0060.001 SPECIAL (HANDRAIL AND GUARDRAIL EXTENSION) EACH	REMARKS
1000	DAKOTA ST PED BRIDGE	2	ON WEST END
	CATEGORY 1000 TOTAL	2	

ADJUSTING MANHOLE COVERS

CATEGORY	PROJECT		611.8110 ADJUSTING MANHOLE COVERS EACH
1000	1100-05-73	UNDISTRIBUTED	3
		CATEGORY 1000 TOTAL	3

PROJECT NO: 1100-05-73	HWY: IH 41	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 483	E

IH 41/IH 894/USH 45 RAMPS & W OKLAHOMA AVE
MILWAUKEE COUNTY
CATEGORY 1500
S40-1099

3

PULL BOXES

PULL BOX NO.	LOCATION ^	653.0135 PULL BOXES STEEL 24x36-INCH EACH	653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1	74+51.2, 50.8' RT	--	1
PB2	74+51.3, 6.8' LT	--	1
PB3	74+51.6, 51.0' LT	--	1
PB4	74+93.2, 51.3' LT	--	1
PB5	75+41.2, 53.4' LT	--	1
PB6	75+60.0, 6.6' RT	--	1
PB7	77+99.8, 8.3' LT	1	--
PB8	75+70.4, 52.8' RT	--	1
PB9	75+56.8, 71.2' RT	--	1
PB10	75+84.8, 244.8' RT	1	--
PB11	75+02.8, 71.1' RT	--	1
PB12	74+82.8, 60.2' RT	--	1
PB13	74+46.1, 50.8' RT	--	1
PB14	74+46.5, 51.0' LT	--	1
PB15	72+64.9, 59.2' LT	--	1
PB16	72+50.4, 58.7' LT	--	1
PB17	72+51.2, 7.5' LT	--	1
PB18	72+43.7, 50.4' RT	--	1
PB19	71+85.0, 50.7' RT	--	1
PB20	71+76.4, 1.2' RT	--	1
PB21	69+64.3, 0.2' RT	1	--
PB22	71+85.4, 60.4' LT	--	1
PB23	72+29.4, 61.2' LT		1
PB24	72+27.5, 83.7' LT	1	--
PB25	72+80.1, 295.8' LT	1	--
	TOTAL	5*	20*

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION ^	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CB1	74+72.3, 60.9' RT	--	--	--	--	1
SB1	74+68.1, 7.1' LT	--	--	1	--	--
SB2	74+97.5, 53.1' LT	1	--	--	--	--
SB3	75+39.0, 61.3' LT	--	--	1	--	--
SB4	75+49.8, 54.2' LT	1	--	--	--	--
SB5	75+69.9, 4.5' RT	--	--	1	--	--
SB6	75+65.6, 53.0' RT	1	--	--	--	--
SB7	75+54.6, 66.1' RT	1	--	--	--	--
SB8	74+98.2, 60.6' RT	1	--	--	--	--
SB9	74+75.9, 50.8' RT	1	--	--	--	--
CB2	72+38.5, 64.8' LT	--	--	--	--	1
SB10	72+48.0, 49.9' LT	1	--	--	--	--
SB11	72+53.6, 0.39' LT	--	--	--	1	--
SB12	72+38.8, 50.8' RT	1	--	--	--	--
SB13	72+08.2, 51.0' RT	--	1	--	--	--
SB14	71+73.3, 3.9' LT	--	--	1	--	--
SB15	71+85.9, 50.5' LT	1	--	--	--	--
SB16	71+89.2, 62.7' LT	1	--	--	--	--
SB17	72+31.1, 57.8' LT	1	--	--	--	--
	TOTAL	11*	1	4*	1*	2

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

Addendum No. 01
ID 1100-05-73
Revised Sheet 501
March 25, 2025

PROJECT NO: 1100-05-73	HWY: IH 41/IH 894/USH 45	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 501	E

FILE NAME : N:\PDS\C3D\CAD\11000503\SIG\S40-1099\S40-1099_mq.pptx PLOT DATE : 3/4/2025 PLOT BY : DOTCMV PLOT NAME : SXX-XXXX_mq.pdf PLOT SCALE : 1:1

Proposal ID: 20250408008 **Project(s):** 1090-03-75, 1100-05-73

Federal ID(s): WISC 2025414, WISC 2025415

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0490	690.0250 Sawing Concrete	75,018.000 LF	_____.____	_____.____
0492	715.0502 Incentive Strength Concrete Structures	3,594.000 DOL	1.00000	3,594.00
0494	715.0603 Incentive Strength Concrete Barrier	17.000 DOL	1.00000	17.00
0496	740.0440 Incentive IRI Ride	7,220.000 DOL	1.00000	7,220.00
0498	ASP.1T0A On-the-Job Training Apprentice at $5.00/HR	3,600.000 HRS	5.00000	18,000.00
0500	ASP.1T0G On-the-Job Training Graduate at $5.00/HR	6,000.000 HRS	5.00000	30,000.00
0502	SPV.0035 Special 400. Polyester Polymer Concrete Deck Repair	28.000 CY	_____.____	_____.____
0504	SPV.0035 Special 401. Rapid Set Deck Repair	3.000 CY	_____.____	_____.____
0506	SPV.0060 Special 001. Handrail and Guardrail Extension	2.000 EACH	_____.____	_____.____
0508	SPV.0060 Special 002. Adjusting Water Valve Boxes - Milwaukee Water Works	2.000 EACH	_____.____	_____.____
0510	SPV.0060 Special 003. Adjusting Water Valve Boxes - City of West Allis	4.000 EACH	_____.____	_____.____
0512	SPV.0060 Special 004. Reconnect Storm Sewer Laterals	1.000 EACH	_____.____	_____.____
0514	SPV.0060 Special 005. Field Facilities Office Space	1.000 EACH	_____.____	_____.____
0516	SPV.0060 Special 006. Traffic Control Close-Open Freeway Entrance Ramp	435.000 EACH	_____.____	_____.____

Proposal ID: 20250408008 **Project(s):** 1090-03-75, 1100-05-73

Federal ID(s): WISC 2025414, WISC 2025415

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0594	SPV.0165 Special 400. Removing Loose Concrete Overhead	520.000 SF	_____.____	_____.____
0596	SPV.0165 Special 401. Concrete Girder Repair	94.000 SF	_____.____	_____.____
0598	SPV.0165 Special 402. Fiber Wrap Reinforcing Non-Structural	646.000 SF	_____.____	_____.____
0600	SPV.0180 Special 001. Resin Binder High Friction Surface Treatment Modified	29,593.000 SY	_____.____	_____.____
0602	SPV.0180 Special 400. High Friction Surface Treatment Polymer Overlay	2,547.000 SY	_____.____	_____.____
0604	SPV.0180 Special 401. Abutment Seat Cleaning and Sealing	149.000 SY	_____.____	_____.____
0606	SPV.0180 Special 402. Methacrylate Flood Seal	7,842.000 SY	_____.____	_____.____
0608	SPV.0195 Special 001. HMA Longitudinal Joint Repair	100.000 TON	_____.____	_____.____
0610	SPV.0195 Special 002. HMA Transverse Joint Repair	50.000 TON	_____.____	_____.____
0612	201.0205 Grubbing	13.000 STA	_____.____	_____.____
0614	611.8110 Adjusting Manhole Covers	3.000 EACH	_____.____	_____.____
	Section: 0001		**Total:**	_____.____

Total Bid: _____.____