



Project Information Package

County EF, Bark River Bridge
Waukesha County

Project ID: 2756-05-01

Project Overview

Waukesha County, in cooperation with the Wisconsin Department of Transportation, is proposing to rehabilitate the existing County EF (Hartling Road) bridge over the Bark River located approximately 0.5 miles east of County E in the Town of Merton. Construction of this project will address the deteriorating structure and improve safety.

The existing structure is deteriorating with delamination of the concrete deck and deterioration of the structure ends and underside. Delamination is the separation of concrete at or near the level of the reinforcing steel, and is caused by reinforcing steel corrosion reducing the structure's structural capacity. Furthermore, three of the four wingwalls have tipped and the existing guardrail along the roadway is outdated and needs replacement.

The proposed structure rehabilitation includes the following:

- Concrete overlay of the deck.
- Concrete repairs to the spalled and deteriorated structure ends.
- New guardrail meeting current safety standards.
- Stainless steel flashing at structure ends to slow further deterioration.
- The wingwalls will be strapped to prevent further movement.

Roadway approach work will begin approximately 150 feet west of the existing structure and extend approximately 350 feet to the east. The roadway improvements will generally match the existing roadway with improvements to the guardrail system.

The Ice Age Trail is adjacent to this project, traveling north along the east bank of the Bark River, crossing the structure, and proceeding north along the west bank. The rehabilitation of the structure will require the trail to be detoured along Dorn Road from Richter Road to Tamron Drive during construction, but it will re-open along the current route once construction is complete.

The proposed improvements may impact some wetlands adjacent to the project. If necessary, a detailed mitigation plan to compensate for any wetland impacts will be completed in early 2024. No archaeological or historical resources are anticipated to be impacted by the project. The environmental process for the proposed project is anticipated to be completed in the summer of next year.





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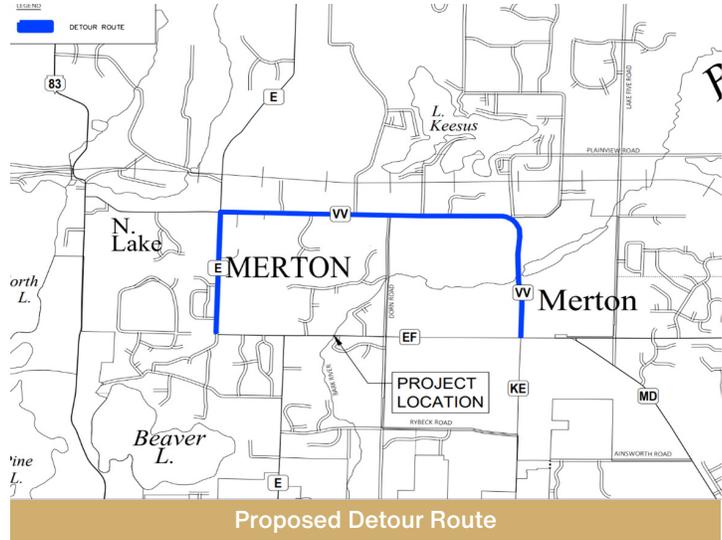
Project ID: 2756-05-01

Proposed Traffic Impacts

During construction, County EF (Hartling Road) traffic will be detoured along County W and County E as shown in the map to the right. County EF will remain open to local traffic during construction, with no access across the Bark River during this time.

Real Estate

Construction easements and/or right of way acquisition may be required for the completion of this project; however, the details of these needs are not known at this time. If right of way is needed, representatives from Waukesha County will contact affected property owners.



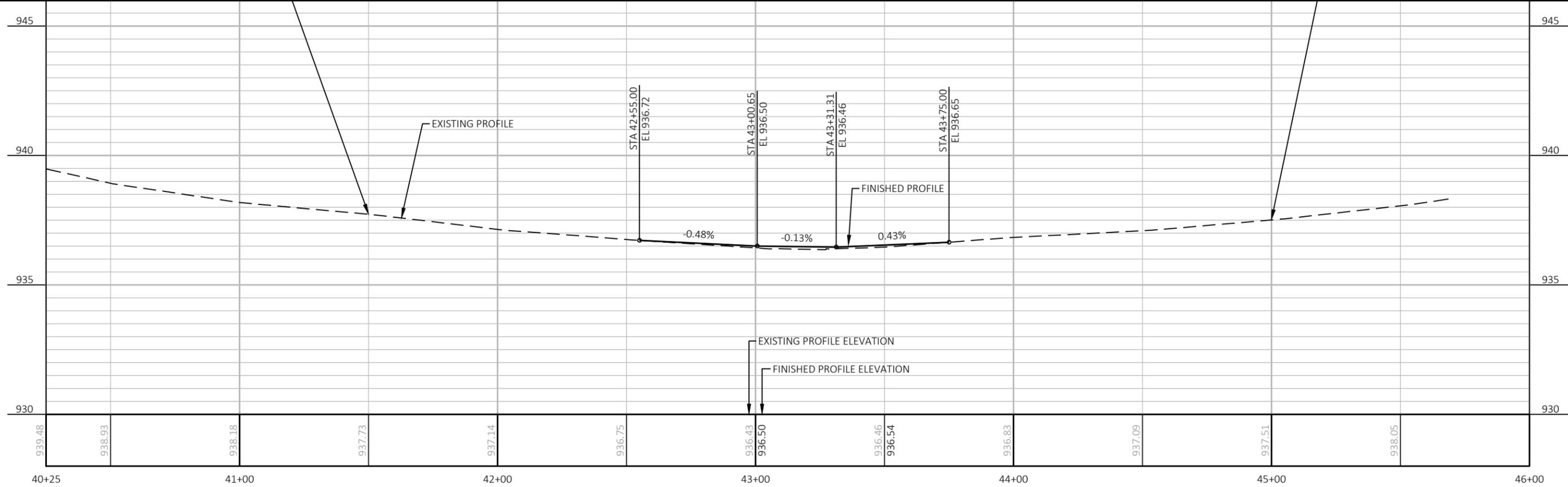
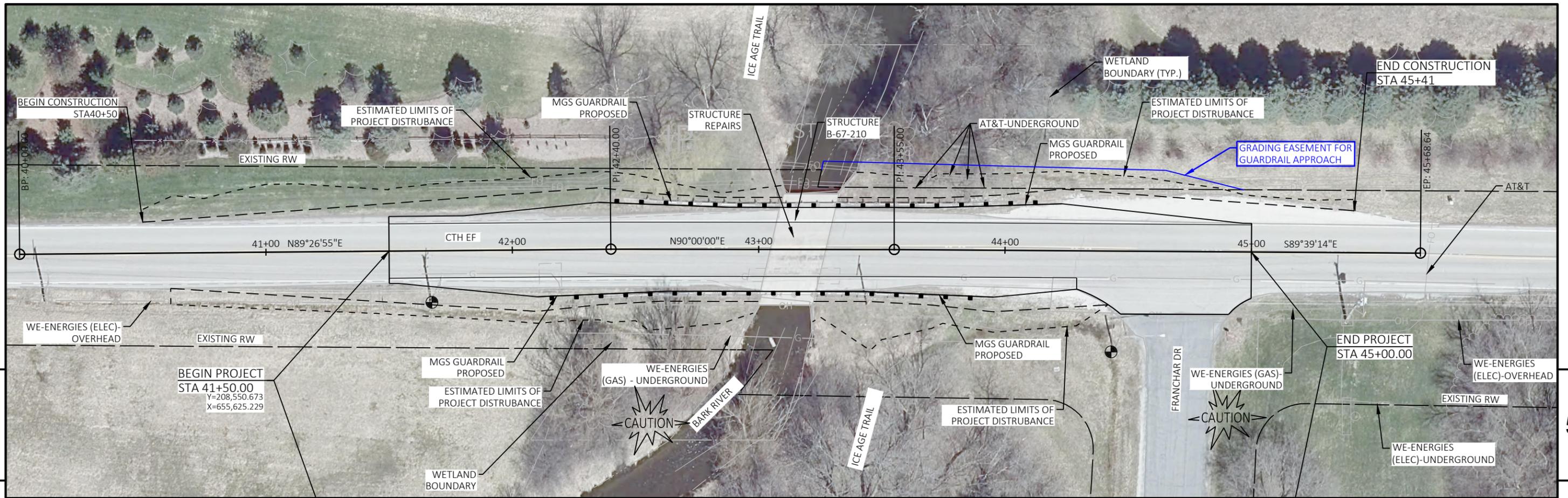
Project Schedule

No additional public involvement is currently scheduled for this project.

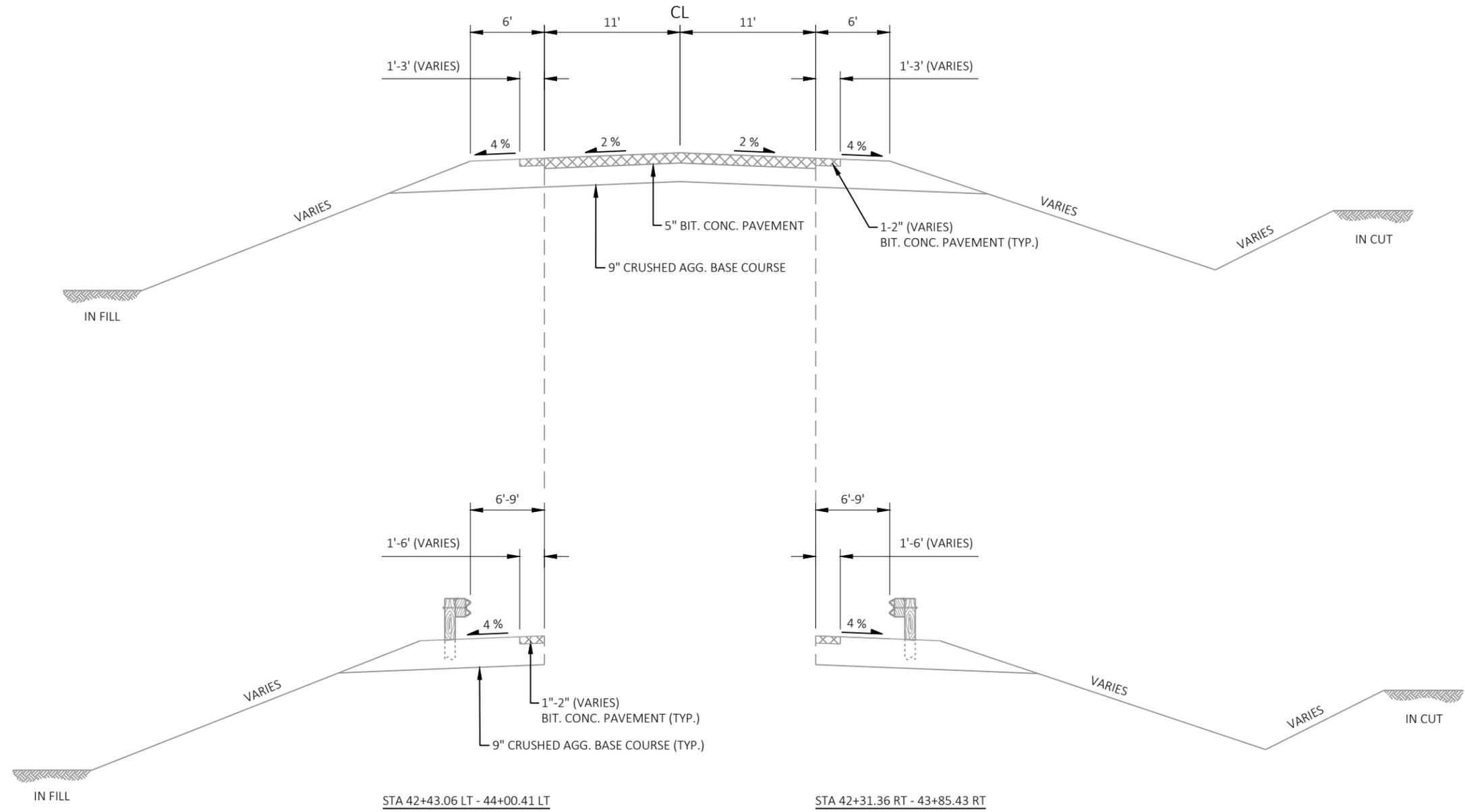
DELIVERABLES	DATE
Environmental Document	February 15, 2024
Design Study Report	February 29, 2024
Final Plans	November 1, 2024
Project Letting	April 8, 2025
Construction	Summer 2025

Note: Schedule has the potential to change





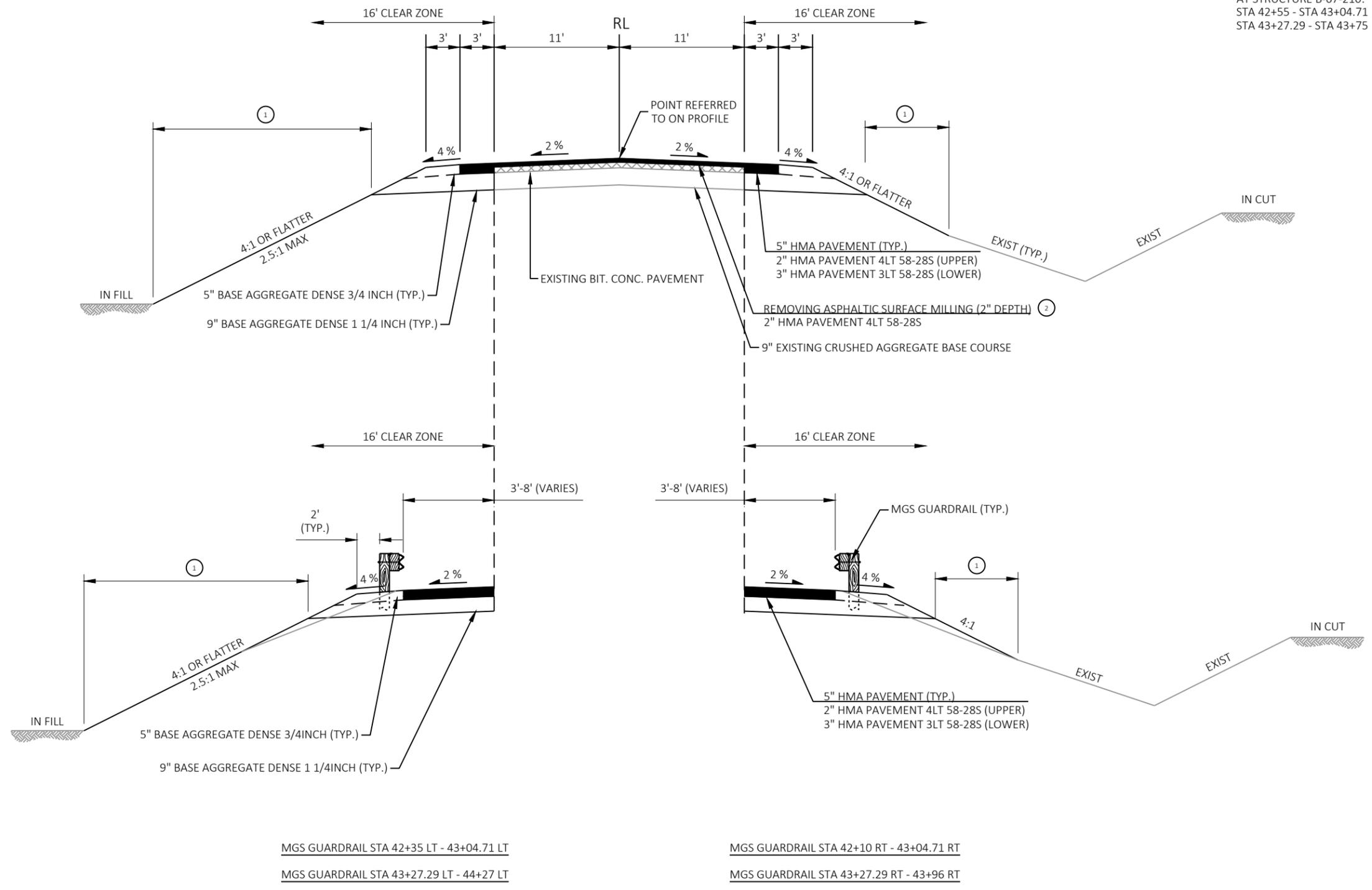
PROJECT NO: 2756-05-71	HWY: CTH EF	COUNTY: WAUKESHA	PLAN AND PROFILE: CTH EF (HARTLING RD)	SHEET	E
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EXISTING TYPICAL SECTION

STA 41+50 - 43+04.71
STA 43+27.29 - 45+00

- ① SEED, FERTILIZER TYPE B AND EROSION MAT
- ② TRANSITION MILL DEPTH FROM 2" TO 1 1/2-INCH AT FOLLOWING STATIONING TO MATCH OVERLAY AT STRUCTURE B-67-210:
STA 42+55 - STA 43+04.71
STA 43+27.29 - STA 43+75



MGS GUARDRAIL STA 42+35 LT - 43+04.71 LT
MGS GUARDRAIL STA 43+27.29 LT - 44+27 LT

MGS GUARDRAIL STA 42+10 RT - 43+04.71 RT
MGS GUARDRAIL STA 43+27.29 RT - 43+96 RT

FINISHED TYPICAL SECTION
STA 41+50 - 43+04.71
STA 43+27.29 - 45+00

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HS-20
 INVENTORY RATING: HS-18
 OPERATING RATING: HS 31
 WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): XXX (KIPS)

MATERIAL PROPERTIES:

CONCRETE MASONRY:
 CONCRETE MASONRY OVERLAY DECKS $f'_c = 4,000$ PSI
 ALL OTHER $f'_c = 3,500$ PSI

STRUCTURAL CARBON STEEL:
 ASTM A709, GRADE 36 $f_y = 36,000$ PSI
 ASTM A709, GRADE 50/50S $f_y = 50,000$ PSI

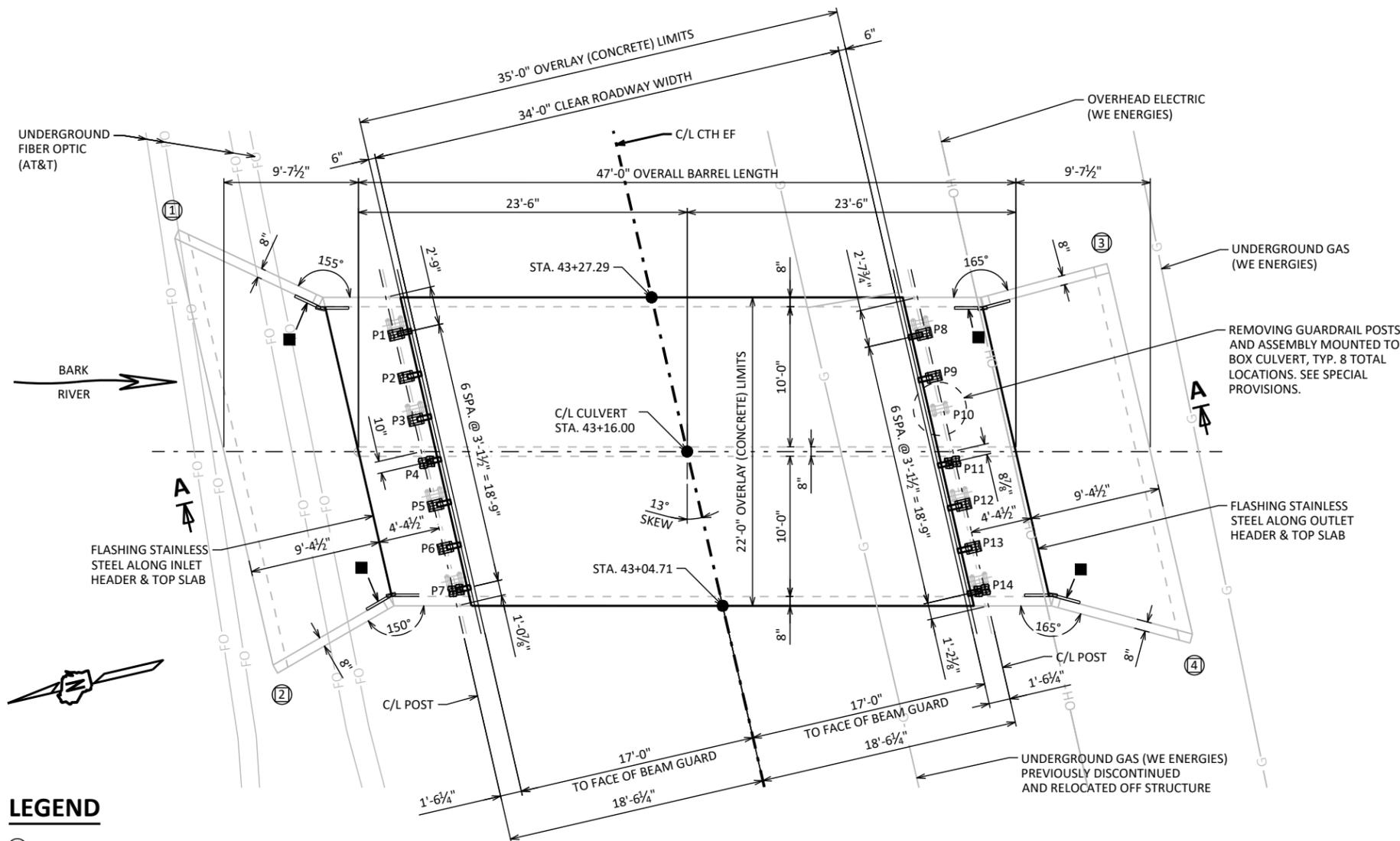
TRAFFIC DATA

FEATURE ON: CTH EF

ADT = 1,720 (2025)
 ADT = 1,930 (2045)
 R.D.S. = 40 MPH

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM1	41+67.14, 20.94' RT.	RR SPIKE IN UTILITY POLE	937.74
BM2	44+43.33, 40.87' RT.	RR SPIKE IN UTILITY POLE	936.07

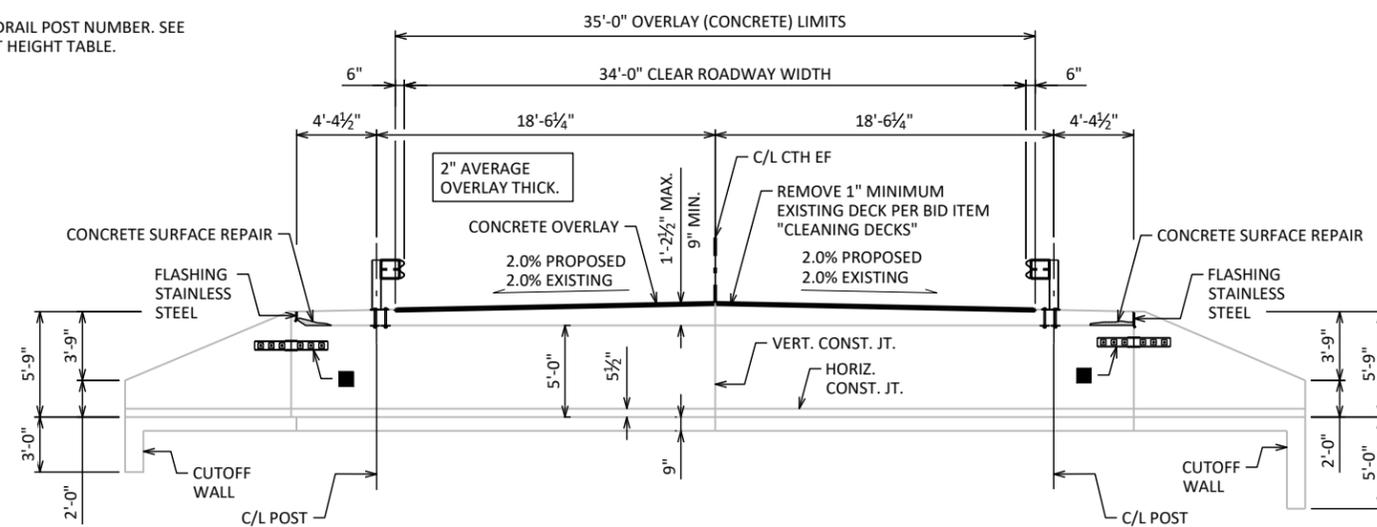


PLAN

POST P10 NOT SHOWN TO NOTE REMOVALS

LEGEND

- (X) INDICATES WING WALL NUMBER (PER AS-BUILT PLANS)
- WING STRAPPING REQUIRED. SEE DETAILS ON SHEET 4.
- PX PROPOSED GUARDRAIL POST NUMBER. SEE SHEET 2 FOR POST HEIGHT TABLE.



SECTION A-A

DIMENSIONS SHOWN ARE NORMAL TO C/L CTH EF

LIST OF DRAWINGS

1. GENERAL PLAN
2. GENERAL NOTES, QUANTITIES, AND DETAILS
3. DECK PREPARATION
4. WING STRAPPING

STRUCTURE DESIGN CONTACTS:

VINCENT DIFRANCES 262-573-3864
 AARON BONK 608-261-0261

NO.	DATE	REVISION	BY

ENGINEERING, INC
 Consultant Services

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ DATE _____
 CHIEF STRUCTURES DESIGN ENGINEER

STRUCTURE B-67-210

CTH EF (HARTLING RD) OVER BARK RIVER

COUNTY WAUKESHA TOWN MERTON

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY VJD	DESIGNED CK'D	PRE BY	DRAWN BY VJD	PLANS CK'D	PRE
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GENERAL PLAN

SHEET 1 OF 4

Paul Farrow
County Executive



Allison Bussler
Director

Waukesha County

Department of Public Works

Contact: Kevin Yanny
kyanny@waukeshacounty.gov
262-548-7740

FOR IMMEDIATE RELEASE
Date: Thursday, December 21, 2023

PUBLIC INFORMATION MEETING

CTH EF (HARTLING ROAD) BRIDGE OVER BARK RIVER

BRIDGE REHABILITATION - WAUKESHA COUNTY

Meeting will be January 18, 2024, at Merton Town Hall

(WAUKESHA, WI) – Waukesha County Department of Public Works, along with their design consultant JT Engineering, will host a public information meeting for a project to rehabilitate the CTH EF bridge over the Bark River in the Town of Merton. The meeting is scheduled for **Thursday, January 18th, 2024, from 4:00 to 6:00 pm, at the Merton Town Hall, W314N7624 Hwy 83, North Lake, WI 53064.** The meeting facility is handicap accessible. This project meeting will follow an open house format (in-person). Representatives from Waukesha County and the project design team will be available to discuss the project and address any questions or concerns. The public is encouraged to attend the meeting, and we welcome public comment or feedback regarding the proposed project.

This bridge rehabilitation project is located on County Highway EF, approximately 0.5 mile east of CTH E and is scheduled for construction in 2025. A concrete bridge overlay, concrete repair of the deteriorated concrete, replacement of the bridge railing and guard rail, and other incidental work will be performed during construction. CTH EF will be closed to through traffic during construction with a detour route provided. Additionally, the Ice Age Trail, which utilizes this bridge to cross the Bark River, will be detoured during construction.

For more information, please contact Kevin Yanny, Waukesha County Project Manager at 262-548-7740 or design consultant Rich Glen at (920) 468-4771. Written comments regarding the project can be mailed to Rich Glen, JT Engineering, 1077 Centennial Centre Blvd, Hobart, WI 54155 or emailed to richg@jt-engineering.com.

About the Waukesha County Department of Public Works

The Waukesha County Department of Public Works is committed to providing the foundations of success for the citizens and businesses of Waukesha County by constructing and maintaining quality transportation and building infrastructure. Get info on projects, plans, and more at www.WaukeshaCounty.gov/DPW.

Follow Waukesha County DPW on Twitter at www.twitter.com/WaukeshaCoDPW

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Department of Public Works
515 W. Moreland Blvd., Room AC220

