

**Subject: ID 6652-03-00**  
**Unity – Fenwood**  
**Fenwood Creek Bridge, B-37-0049**  
**County Highway P**  
**Marathon County**

Marathon County, in conjunction with the North Central Region Wisconsin Department of Transportation, plan to replace the County Highway P bridge over Fenwood Creek, located approximately 0.3 miles west of the junction with County Highway M.

The objective of this Public Outreach is to provide adjacent property owners, interested citizens, and public officials with an opportunity to comment on the bridge and roadway design for this improvement.

Public input is valuable, and we encourage you to ask questions by completing the attached Comment Form or contacting the following representatives:

Eric Price  
Consultant Project Manager  
(608) 826-6146  
[eprice@correinc.com](mailto:eprice@correinc.com)

Jim Griesbach  
Marathon County Highway Commissioner  
(715) 261-1801  
[James.Griesbach@co.marathon.wi.us](mailto:James.Griesbach@co.marathon.wi.us)

The following project information is attached:

- Location Map
- Project Facts and Information
- Preliminary Plan Sheets
- Comment Form

The project information noted above can also be found on Shawano County's website at:  
<https://www.marathoncounty.gov/projects-planning/highway-projects-public-involvement>

If you have any questions, concerns or information that may assist in the development of this project, **we encourage you to contact us by February 26<sup>th</sup>, 2025.**

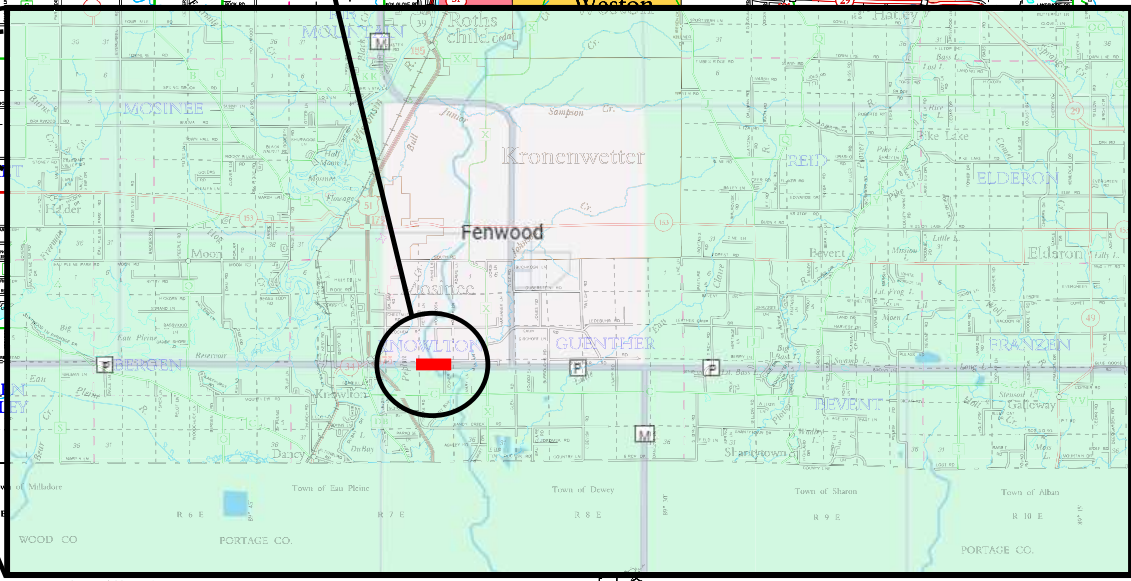
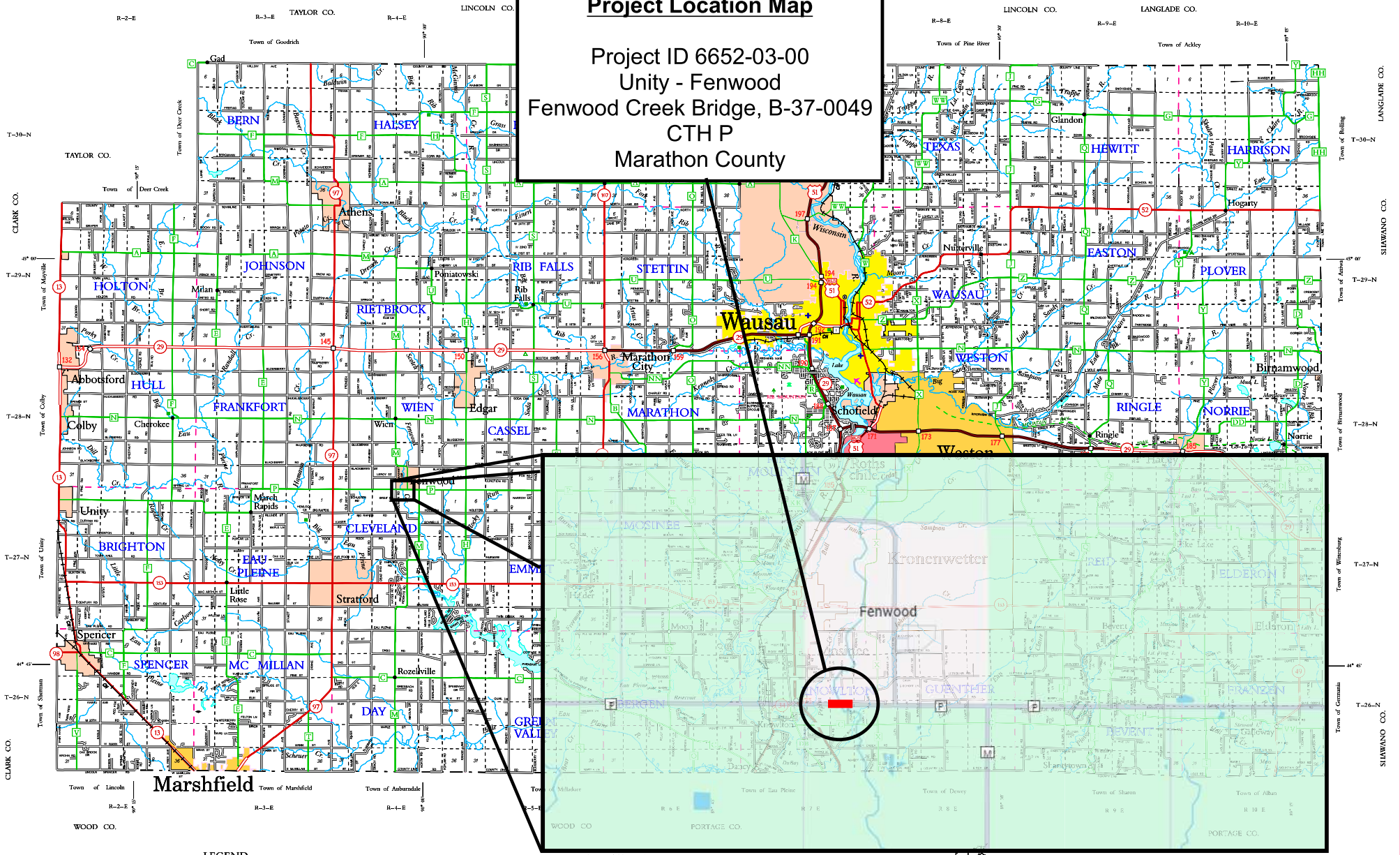
Sincerely,



Eric Price, P.E.  
Project Manager  
CORRE, Inc.

# Project Location Map

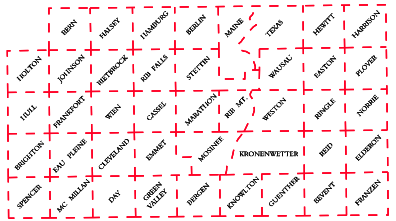
Project ID 6652-03-00  
 Unity - Fenwood  
 Fenwood Creek Bridge, B-37-0049  
 CTH P  
 Marathon County



## LEGEND

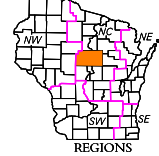
- Freeway
- Multilane Divided
- U.S. or State Hwy
- County Trunk Hwy
- Town Road
- Firelane
- Railroad
- State Trail
- Interchange
- Highway Separation
- Interstate Highway No.
- U.S. Highway No.
- State Highway No.
- County Highway Letter
- Dam
- Hospital
- Airport
- County Seat
- Unincorporated Village
- Fish Hatchery
- Game Farm
- Public Hunt. or Fish Grds.
- Ranger Station
- State Park
- County Park
- With Facilities
- Without Facilities
- Modern Facilities
- Basic Facilities
- State Boundary
- County Boundary
- Civil Town Boundary
- Section Line
- Units of Wisconsin - Marathon Co.

## CIVIL TOWNS



## SECTION NUMBERING OF A TOWNSHIP

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42



## MILES OF HIGHWAY

as of Dec. 31, 2019

STATE	77
COUNTY	74
LOCAL ROADS	340
OTHER ROADS	6
TOTAL FOR COUNTY	1397

Land Area (2017 Census) ... 1,545 sq mi  
 Population (2019 Census) ... 108,883  
 County Seat ... Wausau

## MARATHON CO.

DEPARTMENT OF TRANSPORTATION  
 Madison, Wisconsin  
 SCALE 1" = 2 MILES  
 Corrected for  
 JAN. 2021  
 Base compiled from U.S.G.S. Quadgrids  
 100,000 Series

For boundaries of public hunting and fishing grounds  
 please contact the Department of Natural Resources

# Project Information & Facts

ID 6652-03-00/70

Unity - Fenwood

Fenwood Creek Bridge, B-37-0049

County Highway P

Marathon County

<b>Sponsor Agencies:</b>	Marathon County WisDOT North Central Region
<b>Program:</b>	Federal/State Local Bridge Improvement Assistance Program
<b>Funding:</b>	100% State/Federal
<b>Project Limits:</b>	Bridge & Approaches (200' of total approach work)
<b>Existing Structure:</b>	Structure No. B-37-49 Sufficiency Rating = 40.4 (measured on a scale of 0 to 100) Two Span Flat Concrete Slab Bridge constructed in 1959 Clear Width Between Steel Railings = 24.0' Overall Length = 52.5'
<b>Existing Approaches:</b>	22.0' Wide Paved Traveled Way; 1' Paved Shoulders
<b>Traffic Data:</b>	550 vehicles/day – 2026 Average Daily Traffic 580 vehicles/day – 2046 Average Daily Traffic
<b>Proposed Improvement:</b>	Bridge Replacement with roadway approach reconstruction. New Structure B-37-486 (Two Span Haunched Concrete Slab) Clear Width Between Railings = 28.0' Overall Length = 108.6'
<b>Proposed Roadway:</b>	24.0' Wide Paved Traveled Way; 2' Paved Shoulders
<b>Right-of-Way:</b>	No R/W impacts are anticipated.
<b>Preliminary Cost Estimate:</b>	\$750,000-\$1,000,000
<b>Project Schedule:</b>	Submit Final Bridge Plans to WisDOT.....June 1, 2025 Submit Final Construction Docs to WisDOT.....August 1, 2025 Bid Letting.....January 13, 2026 Construction Timeline.....Spring/Summer 2026 Construction Duration.....approx. 2.5 months
<b>During Construction:</b>	The bridge will be closed to traffic during construction. A detour route will be posted. Access to adjacent properties will be maintained throughout construction.

The purpose of this Public Involvement is to provide the adjacent property owners, interested citizens, and public officials with an opportunity to comment on the bridge and roadway design for this improvement. Representatives of Marathon County and the design consultant (CORRE) are available to answer questions and address concerns regarding the project and impacts on adjacent properties.

Public input is valuable, and we encourage you to ask questions or complete the attached Comment Sheet.

Thank you for your participation.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6652-03-70		

**STATE OF WISCONSIN**  
**DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

**UNITY - FENWOOD**

FENWOOD CREEK BRIDGE, B-37-0049

CTH P

MARATHON COUNTY

STATE PROJECT NUMBER  
**6652-03-70**

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS =

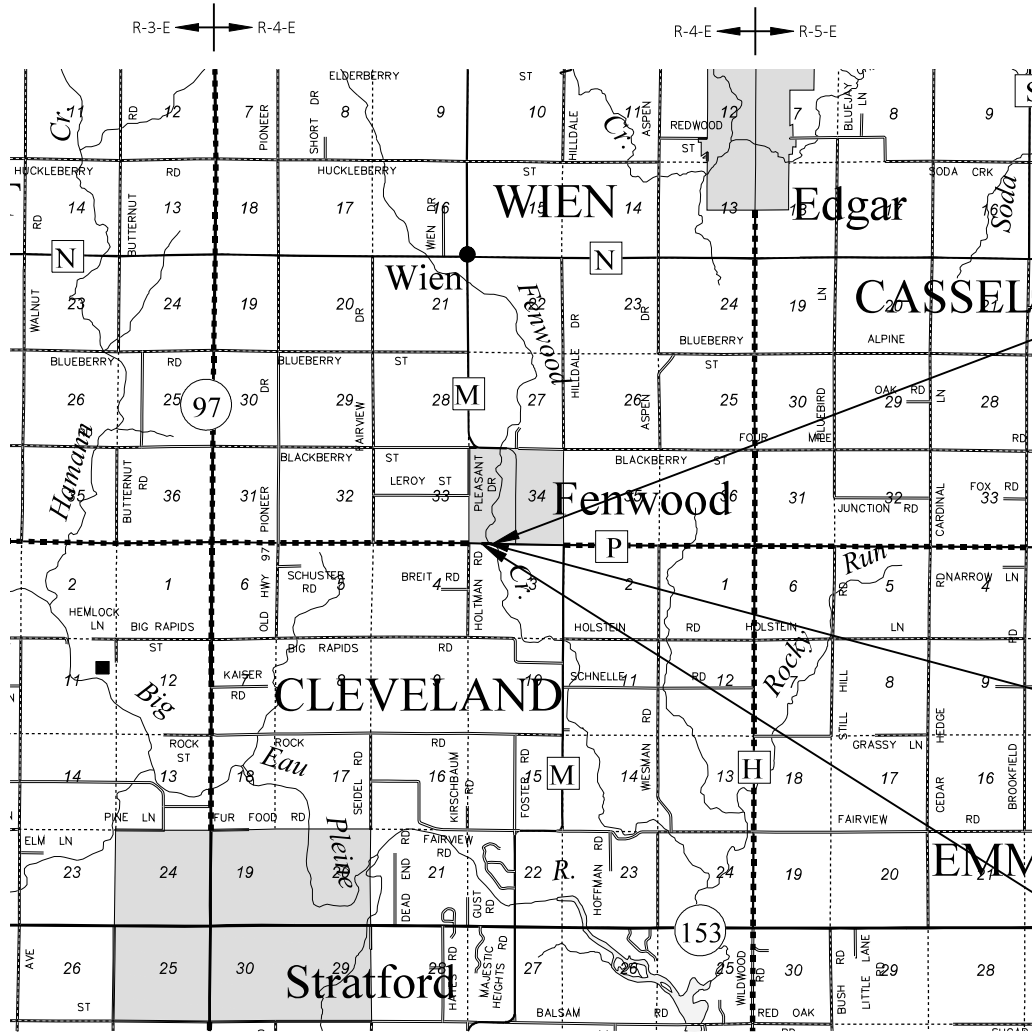


DESIGN DESIGNATION

A.A.D.T.	2026	=	550
A.A.D.T.	2046	=	580
D.H.V.		=	N/A
D.D.		=	50/50
T.		=	10.9%
DESIGN SPEED		=	55 MPH
ESALS		=	130,000

CONVENTIONAL SYMBOLS

PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
MARSH AREA	STORM SEWER
WOODED OR SHRUB AREA	TELEPHONE
	WATER
	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE



LAYOUT  
SCALE 0 2 MI  
TOTAL NET LENGTH OF CENTERLINE = 0.047 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18-VEL.

ACCEPTED FOR  
**MARATHON COUNTY**

Date \_\_\_\_\_  
(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY  
**CORRE**  
ENGINEERING  
MADISON | EAU CLAIRE | WAUKESHA | APPLETON | TOMAH | WAUSAU

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

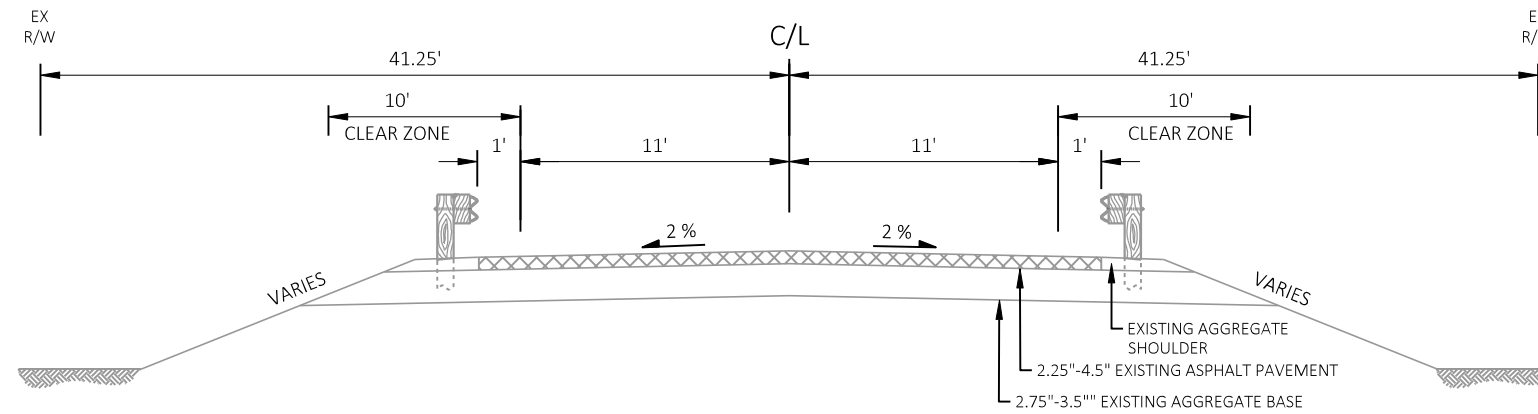
PREPARED BY  
Surveyor \_\_\_\_\_ CORRE, INC.  
Designer \_\_\_\_\_ CORRE, INC.  
Project Manager \_\_\_\_\_ MICHAEL GRAGE, P.E.  
Regional Examiner \_\_\_\_\_ REGIONAL EXAMINER  
Regional Supervisor \_\_\_\_\_ DAN ERVA, P.E.

APPROVED FOR THE DEPARTMENT  
DATE: \_\_\_\_\_  
(Signature)

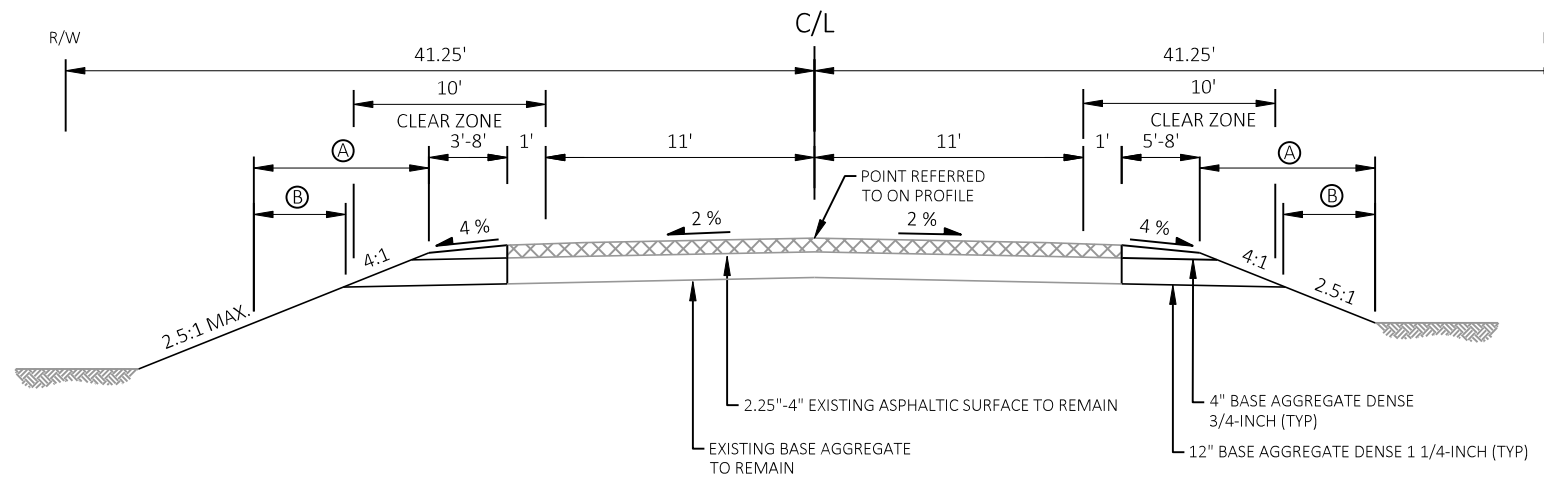
**E**

PROJECT ID: 6652-03-70  
WITH: N/A

COUNTY: MARATHON



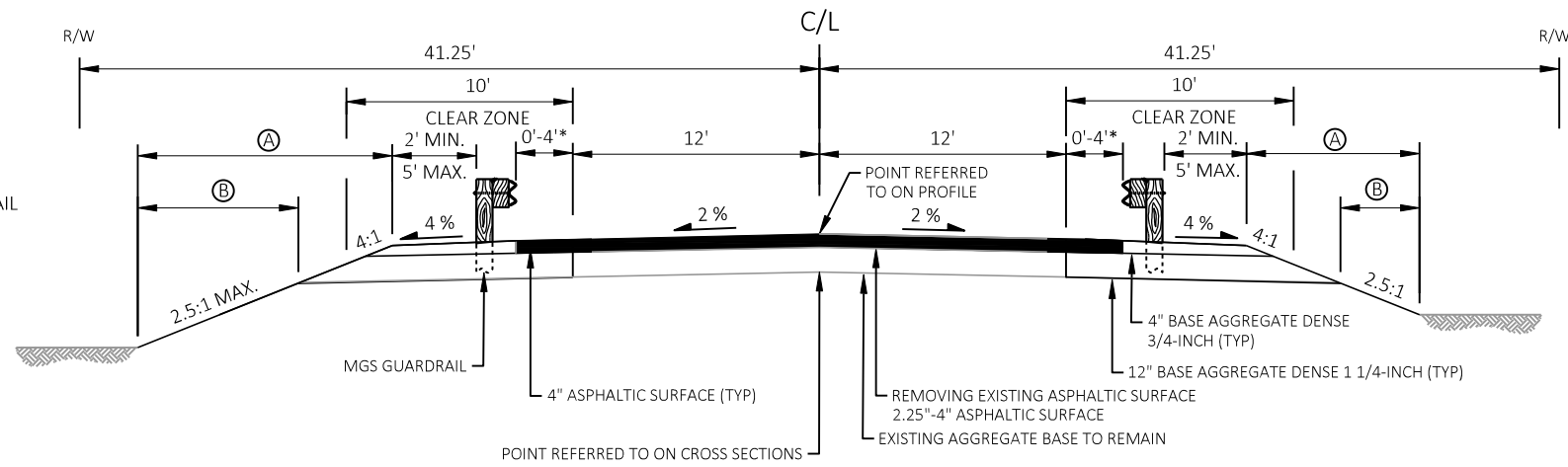
**EXISTING TYPICAL SECTION - CTH P**  
 STA 10+06 - 16+02



**FINISHED TYPICAL SECTION - SHOULDER WIDENING**  
 STA 10+06 - 10+32 (RIGHT ONLY)  
 STA 15+88 - 16+02 (LEFT ONLY)

LEGEND	
(A)	FERTILIZER TYPE A, SEEDING MIXTURE NO. 20 & SEEDING TEMPORARY
(B)	SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

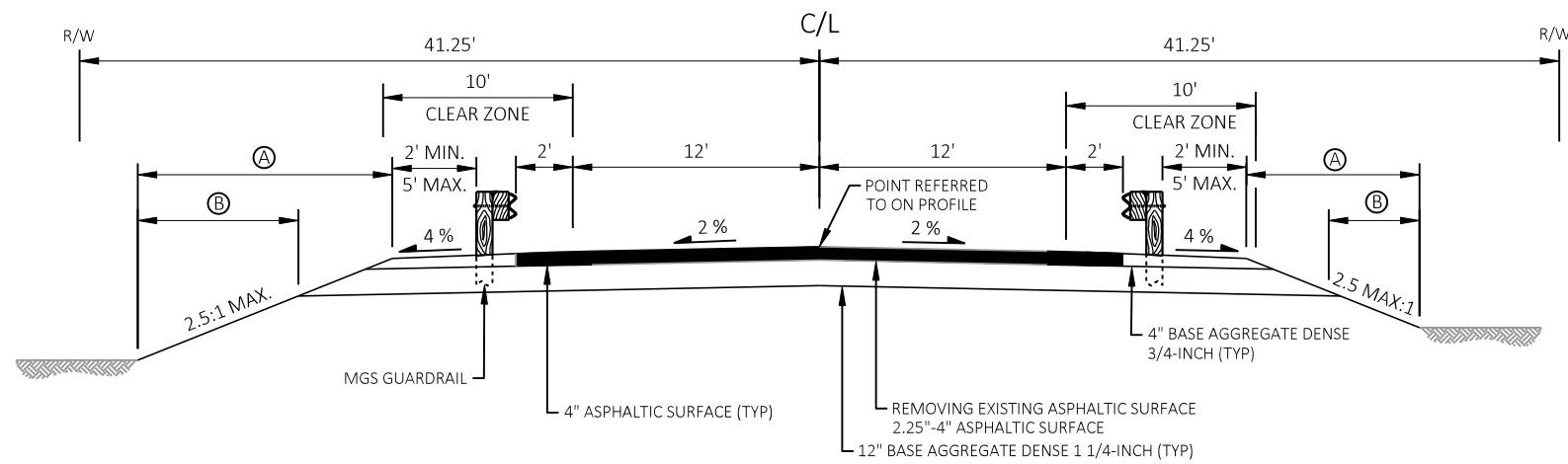
\*NOTE: WIDEN EDGE OF PAVEMENT OUT TO GUARDRAIL FACE AT GUARDRAIL END TERMINAL LOCATIONS.



**FINISHED TYPICAL SECTION - PAVEMENT REPLACEMENT**

STA 10+32 - 11+50  
STA 14+00 - 15+88

LEGEND	
(A)	FERTILIZER TYPE A, SEEDING MIXTURE NO. 20 & SEEDING TEMPORARY
(B)	SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B



**FINISHED TYPICAL SECTION - PAVEMENT RECONSTRUCTION**

STA 11+50 - 12+55 (BRIDGE)  
STA 13+64 (BRIDGE) - 14+00

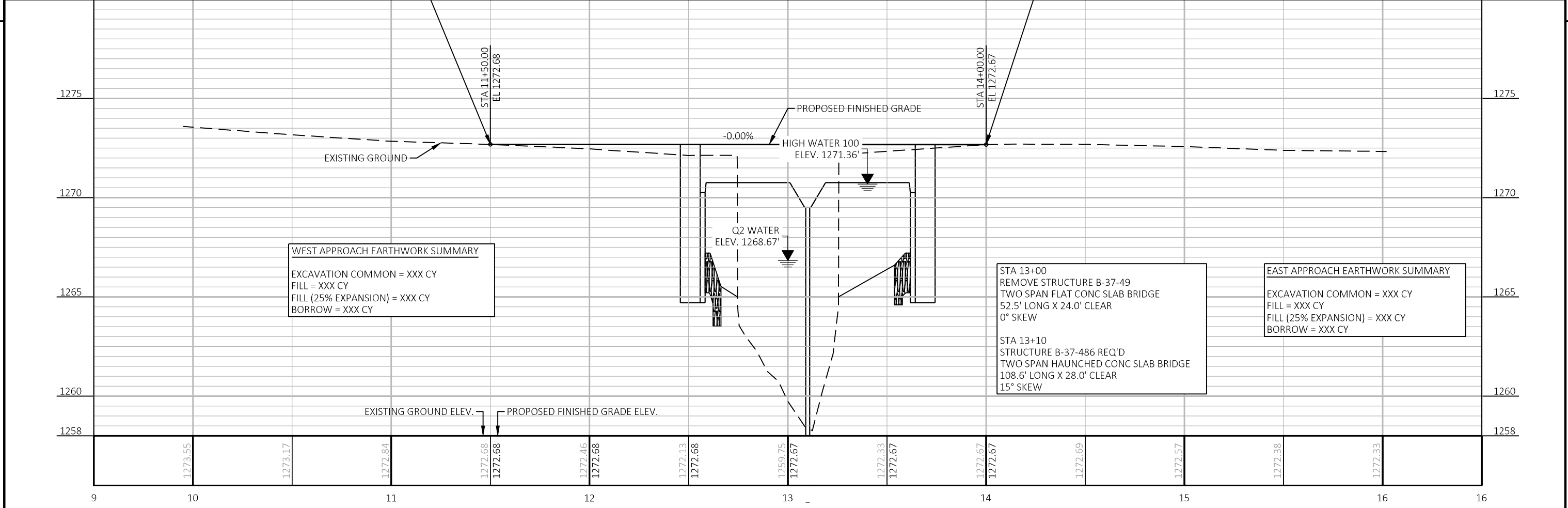
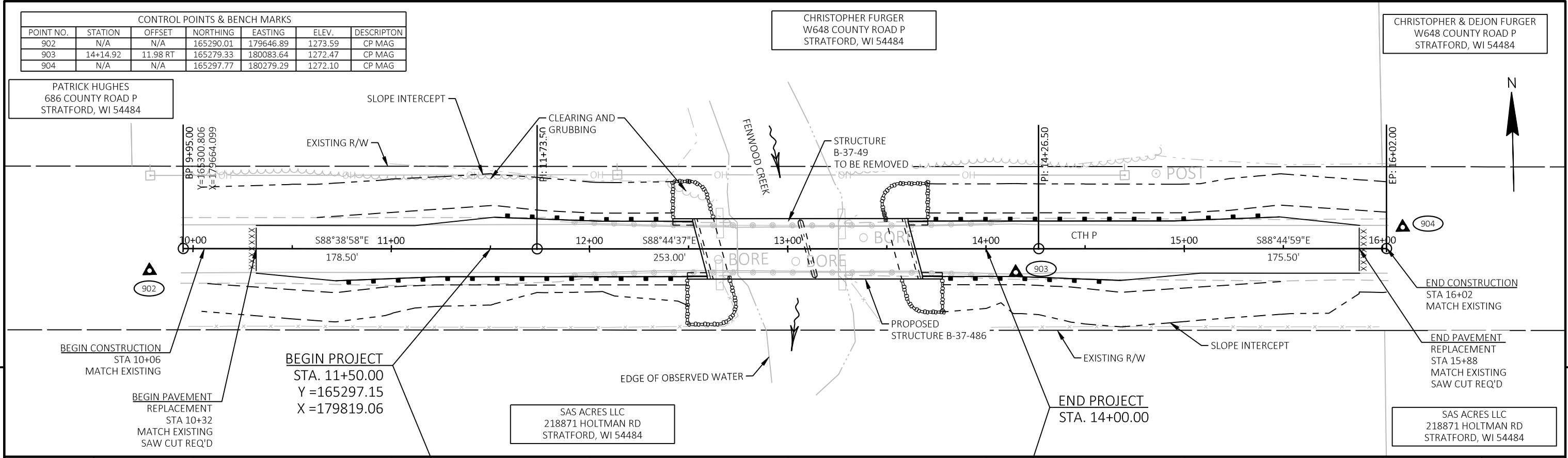
CONTROL POINTS & BENCH MARKS						
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.	DESCRIPTION
902	N/A	N/A	165290.01	179646.89	1273.59	CP MAG
903	14+14.92	11.98 RT	165279.33	180083.64	1272.47	CP MAG
904	N/A	N/A	165297.77	180279.29	1272.10	CP MAG

CHRISTOPHER FURGER  
W648 COUNTY ROAD P  
STRATFORD, WI 54484

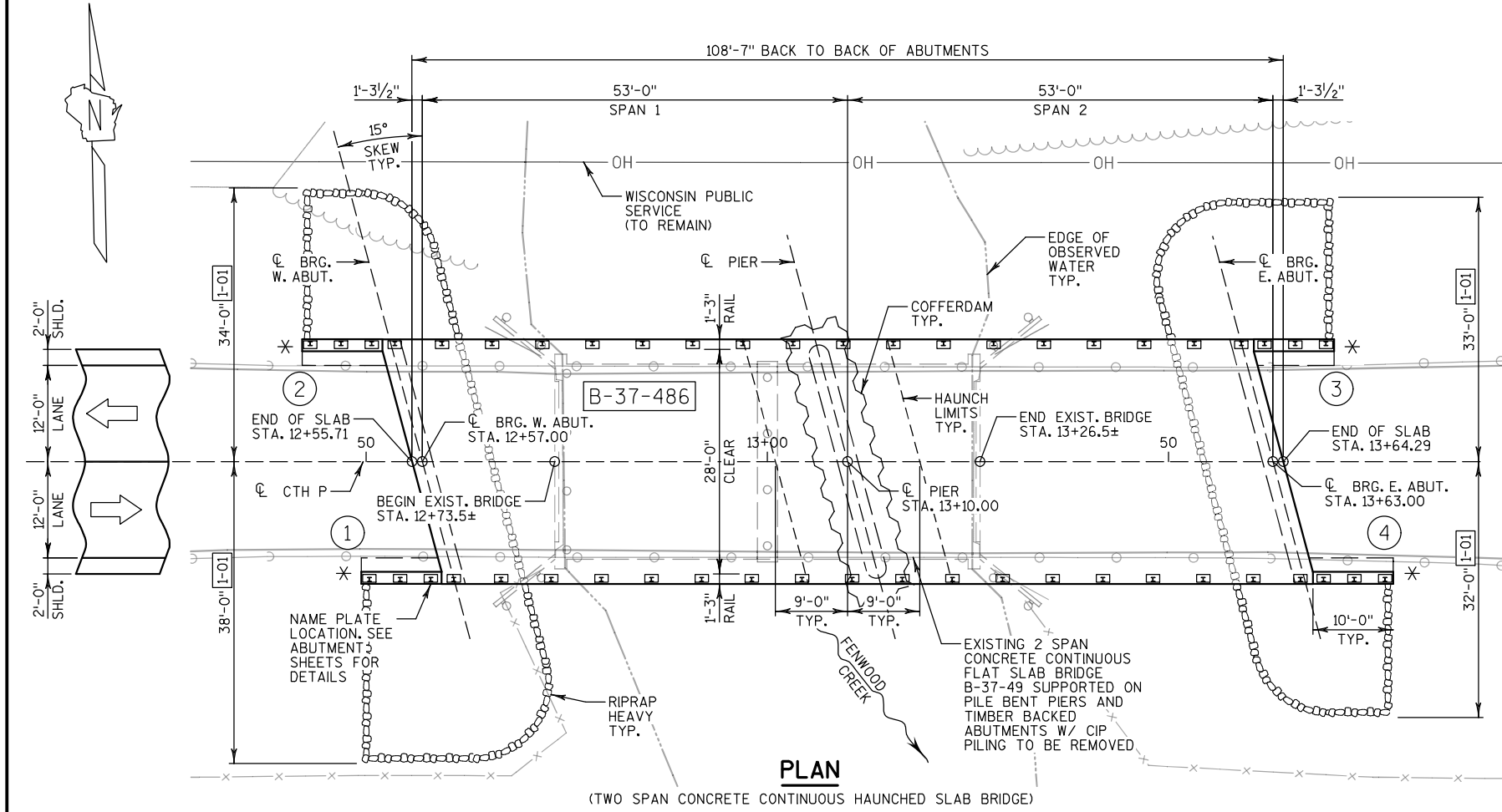
CHRISTOPHER & DEJON FURGER  
W648 COUNTY ROAD P  
STRATFORD, WI 54484

PATRICK HUGHES  
686 COUNTY ROAD P  
STRATFORD, WI 54484

SAS ACRES LLC  
218871 HOLTMAN RD  
STRATFORD, WI 54484



PROJECT NO: 6652-03-70      HWY: CTH P      COUNTY: MARATHON      PLAN AND PROFILE: CTH P      SHEET: 5



**PLAN**  
(TWO SPAN CONCRETE CONTINUOUS HAUNCHED SLAB BRIDGE)

**TRAFFIC DATA**

ADT (2026) = 550  
ADT (2046) = 580  
DESIGN SPEED = 55 MPH

**MATERIAL PROPERTIES**

CONCRETE MASONRY:  
SUPERSTRUCTURE  $f'_c = 4,000$  PSI  
ALL OTHER  $f'_c = 3,500$  PSI  
HIGH STRENGTH BAR STEEL REINFORCEMENT:  
GRADE 60  $f_y = 60,000$  PSI

**DESIGN DATA**

LIVE LOAD:  
DESIGN LOADING HL-93  
INVENTORY RATING FACTOR X.XX  
OPERATING RATING FACTOR X.XX  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) XXX KIPS  
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF.

**LEGEND**

- (X) INDICATES WING NUMBER.
- \* MGS THRIE BEAM ATTACHMENT.
- [Hatched Area] AREA TO EXCAVATE INCLUDED IN "EXCAVATION FOR STRUCTURES BRIDGES B-37-486".
- [1-01] LIMITS OF RIPRAP HEAVY AND GEOTEXTILE TYPE HR.

**HYDRAULIC DATA**

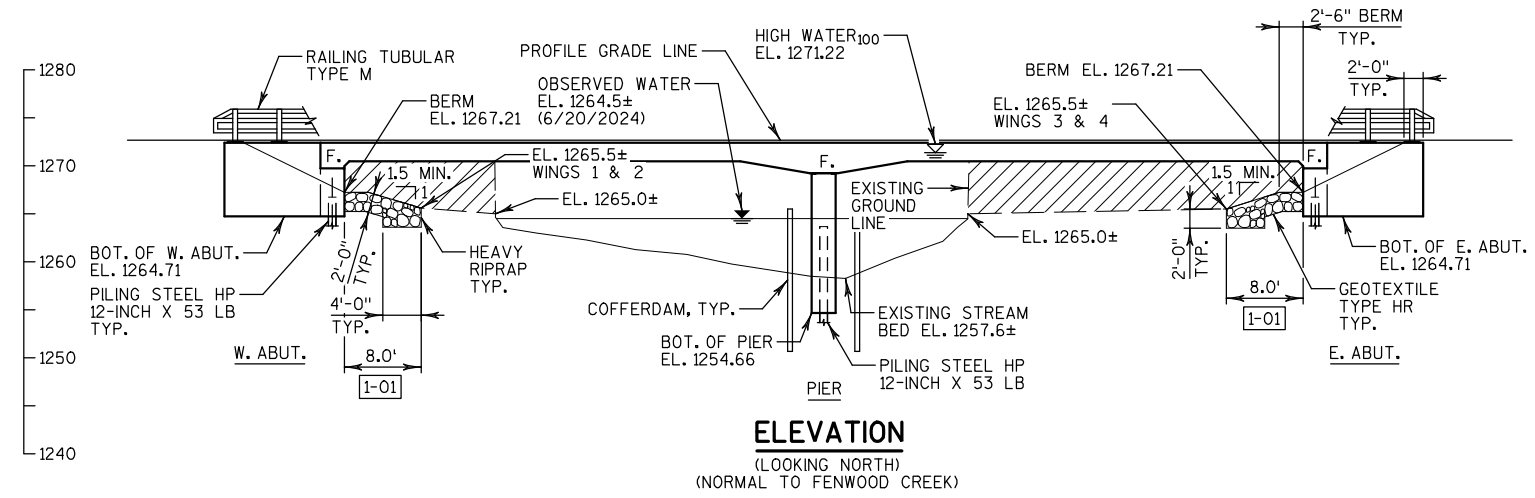
100 YEAR FREQUENCY  
 $Q_{100} = 3,400$  C.F.S.  
 $VEL_{100} = 5.8$  F.P.S.  
 $HW_{100} = EL. 1271.22$   
 WATERWAY AREA = 586.0 SQ. FT.  
 DRAINAGE AREA = 13.4 SQ. MI.  
 OVERTOPPING FREQUENCY = N/A  
 SCOUR CRITICAL CODE = 5  
 2 YEAR FREQUENCY  
 $Q_2 = 770$  C.F.S.  
 $VEL_2 = 1.9$  F.P.S.  
 $HW_2 = EL. 1268.66$

**FOUNDATION DATA**

ABUTMENTS AND PIER TO BE SUPPORTED ON HP 12-INCH X 53 LB STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220\*\* TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.  
 ESTIMATED 30' LONG AT THE WEST ABUTMENT.  
 ESTIMATED 30' LONG AT THE PIER.  
 ESTIMATED 35' LONG AT THE EAST ABUTMENT.  
 \*\* THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

**LIST OF DRAWINGS**

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. MISCELLANEOUS DETAILS
4. SUBSURFACE EXPLORATION



**ELEVATION**  
(LOOKING NORTH)  
(NORMAL TO FENWOOD CREEK)

**BENCH MARK TABLE**

NO.	STATION	DESCRIPTION	ELEVATION
903	14+14.92, 12.0' RT	CP MAG	1272.47

BUREAU OF STRUCTURES CONTACT:  
AARON BONK, P.E. (608) 261-0261  
CONSULTANT CONTACT:  
ERIC PRICE, P.E. (608) 826-6146

NO.	DATE	REVISION	BY
<b>CORRE</b>			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED: _____ CHIEF STRUCTURES DESIGN ENGINEER DATE			
<b>STRUCTURE B-37-486</b>			
CTH P OVER FENWOOD CREEK			
COUNTY	MARATHON	TOWN/VILLAGE	T-CLEVELAND/V-FENWOOD
DESIGN SPEC.	AASHTO LRFD	BRIDGE DESIGN SPECIFICATIONS	
DESIGNED BY	SMS	ETP	ETP
DRAWN BY	TKB	PLANS CK'D.	ETP
<b>GENERAL PLAN</b>			SHEET 1 OF 4

**GENERAL NOTES:**

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-37-486" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO ENTIRE EXPOSED TOP OF SLAB, THE TOP AND EXTERIOR EXPOSED FACE OF WINGS, AND THE FRONT FACE OF ABUTMENTS TO 1'-0" PAST THE EDGE OF SLAB.

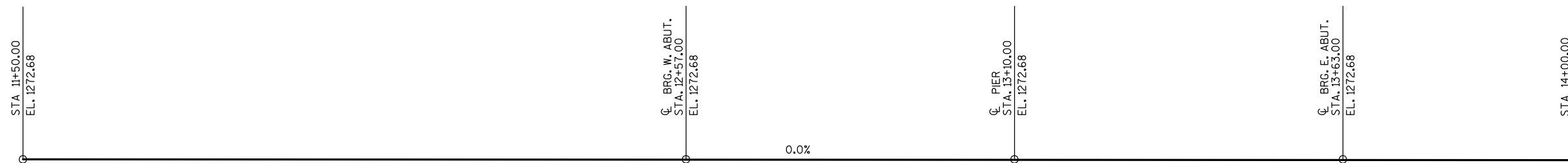
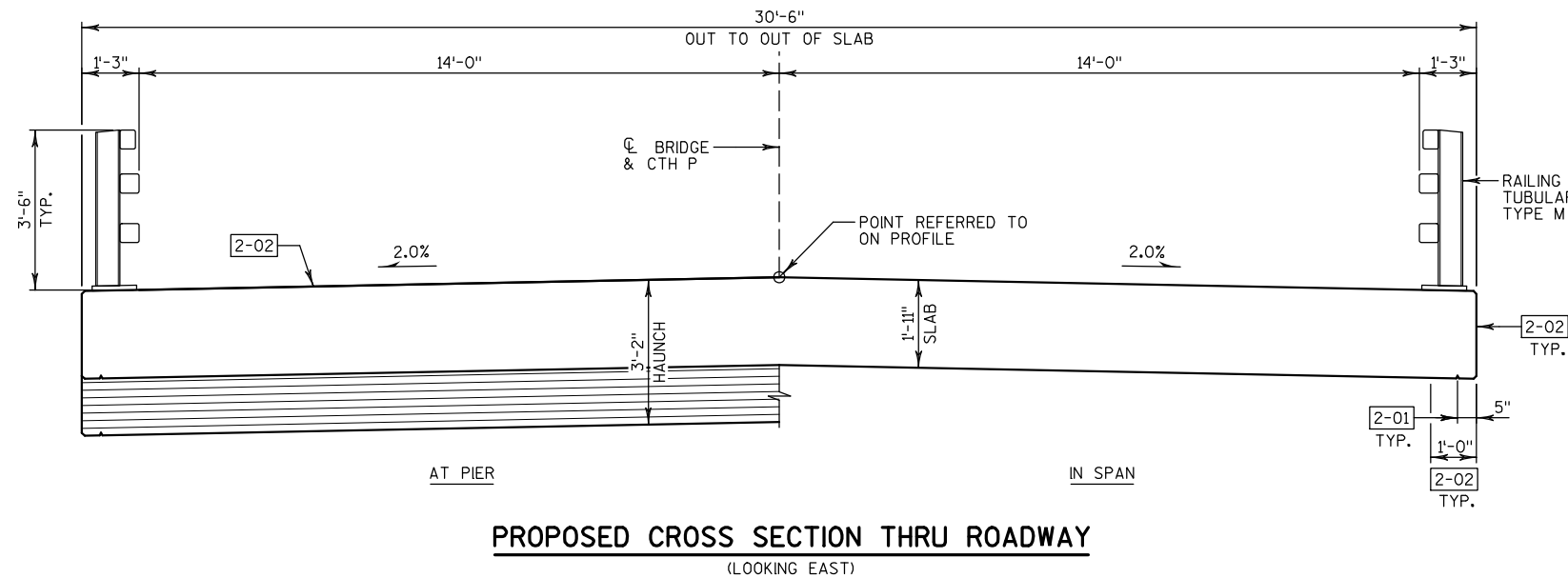
THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

THE EXISTING STREAM BED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIER.

AT ABUTMENTS AND PIER, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS. CONCRETE POURED UNDERWATER SHALL NOT EXCEED 10.0 FEET IN DEPTH, UNLESS APPROVED OTHERWISE.

THE EXISTING STRUCTURE, B-37-49 TO BE REMOVED, IS A TWO-SPAN FLAT CONCRETE SLAB BRIDGE, 53.0 FT. LONG WITH A 24.0 FT. CLEAR WIDTH.



**TOTAL ESTIMATED QUANTITIES**

BID ITEM NUMBER	BID ITEM	UNIT	WEST ABUTMENT	PIER	EAST ABUTMENT	SUPER.	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS B-37-49	EACH	--	--	--	--	--
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-37-486	EACH	--	--	--	--	--
206.5001	COFFERDAMS B-37-486	EACH	--	--	--	--	--
210.1500	BACKFILL STRUCTURE TYPE A	TON	--	--	--	--	--
502.0100	CONCRETE MASONRY BRIDGES	CY	--	--	--	--	--
502.3200	PROTECTIVE SURFACE TREATMENT	SY	--	--	--	--	--
502.9000.S	UNDERWATER SUBSTRUCTURE INSPECTION B-37-486	EACH	--	--	--	--	--
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	--	--	--	--	--
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	--	--	--	--	--
513.4061	RAILING TUBULAR TYPE M	LF	--	--	--	--	--
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	--	--	--	--	--
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	--	--	--	--	--
606.0300	RIPRAP HEAVY	CY	--	--	--	--	--
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	--	--	--	--	--
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	--	--	--	--	--
645.0120	GEOTEXTILE TYPE HR	SY	--	--	--	--	--
NON-BID ITEMS							
	FILLER	SIZE	--	--	--	--	1/2" & 3/4"

ALL ITEMS ARE CATEGORY 00XX

**LEGEND**

- [2-01] 3/4" V-GROOVE, TERMINATE 6" FROM FRONT FACE OF ABUTMENTS.
- [2-02] COAT WITH "PROTECTIVE SURFACE TREATMENT" AS PER THE WISDOT STANDARD SPECIFICATIONS.

**ABBREVIATIONS:**

- ABUT. - ABUTMENT
- BTWN. - BETWEEN
- B.F. - BACK FACE
- BOT. - BOTTOM
- BRG. - BEARING
- CL. - CLEAR
- CONST. - CONSTRUCTION
- DIA. - DIAMETER
- E.F. - EACH FACE
- EXIST. - EXISTING
- F.F. - FRONT FACE
- HORIZ. - HORIZONTAL
- JT. - JOINT
- LONG. - LONGITUDINAL
- PPT. - PARAPET
- PROJ. - PROJECTION
- S.E. - SEMI-EXPANSION
- SPA. - SPACED
- STD. - STANDARD
- SYMM. - SYMMETRICAL
- T&B - TOP AND BOTTOM
- TRANS. - TRANSVERSE
- TYP. - TYPICAL
- VERT. - VERTICAL
- U.N.O. - UNLESS NOTED OTHERWISE

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
<b>STRUCTURE B-37-486</b>			
DRAWN BY TKB		PLANS CK'D. ETP	
<b>CROSS SECTION &amp; QUANTITIES</b>			SHEET 2 OF 4



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[Stamp]

Mr. Eric Price  
CORRE, Inc.  
6510 Grand Teton Plaza, Suite 314  
Madison, WI 53719

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