

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	FAU 3887 22 CONCRETE	KANE	6	1
		ILLINOIS	CONTRACT NO. 62U03	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED  
HIGHWAY PLANS**

**FAU 3887: ILL 31 AT MILL CREEK  
SECTION: FAU 3887 22 CONCRETE  
SUBSTRUCTURE REPAIR  
KANE COUNTY**

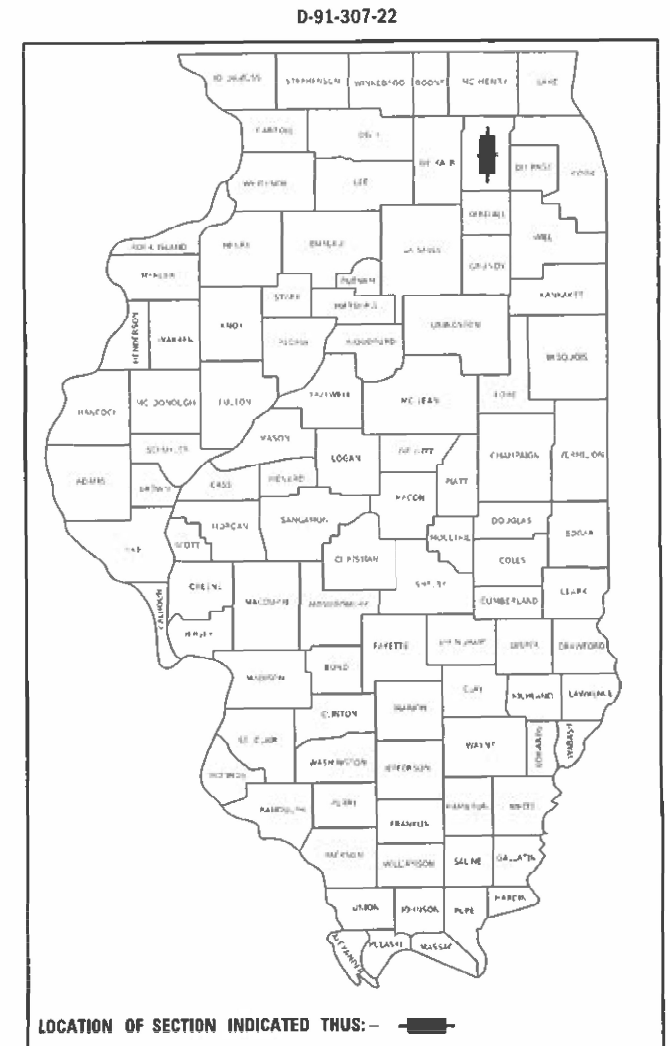
**TRAFFIC DATA**

2021 ADT  
ILLINOIS ROUTE 31 = 20,700

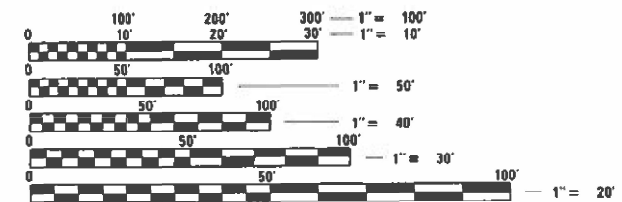
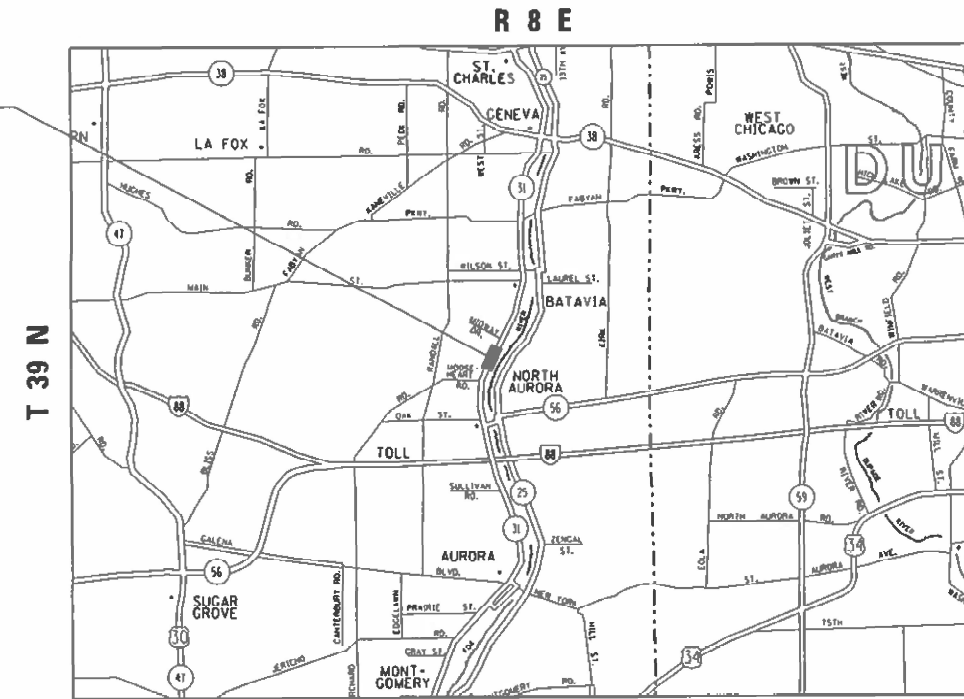
**POSTED SPEED LIMIT**

ILLINOIS ROUTE 31 = 45 MPH

C-91-361-22



IMPROVEMENT LOCATION 1:  
ILLINOIS 31  
AT MILL CREEK  
STRUCTURE NO.: 045-0020  
BATAVIA TOWNSHIP



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: RODRIGO LEDEZMA (847)705-4580  
PROJECT MANAGER: JEAN ALAIN MIDY (847)221-3056

CONTRACT NO. 62U03

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 17 2023  
Jorge Rios Lopez  
REGIONAL ENGINEER

May 12, 2023 Julia A. Etkin  
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023 Stephen M. Smith  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4 - 5	STRUCTURE REPAIR PLANS
6	ARTERIAL ROAD INFORMATION SIGN (TC-22)

## STATE STANDARDS

STANDARD	DESCRIPTION
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS $\geq$ 45 MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS $\geq$ 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS $\geq$ 45 MPH
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

## GENERAL NOTES

- 1 BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES, 48 HOUR NOTIFICATION IS REQUIRED.
- 2 THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 3 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 4 THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 5 THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 6 DEWATERING SHALL NOT BE ALLOWED FROM APRIL 1 TO JULY 31.
- 7 THE 2 YEAR FLOW RATE IS 993 cfs AT MILL CREEK.

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USER NAME = Jacob.Roth	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES IL 31 AT MILL CREEK</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -			3887	FAU 3887 22 CONCRETE	KANE	6	2
PLOT DATE = 3/30/2023	CHECKED -	REVISED -			CONTRACT NO. 62U03				
	DATE -	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0013 100% STATE				
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1.5	1.5				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	25	25				
44000060	SIDEWALK REMOVAL	SO FT	25	25				
44200050	WELDED WIRE REINFORCEMENT	SO YD	27	27				
59000200	EPOXY CRACK INJECTION	FOOT	48	48				
67100100	MOBILIZATION	L SUM	1	1				
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1				
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1				
70100350	TRAFFIC CONTROL AND PROTECTION, STANDARD 701101	EACH	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0013 100% STATE	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT							
X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2	2					
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SO FT	278	278					
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SO FT	50	50					
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4					

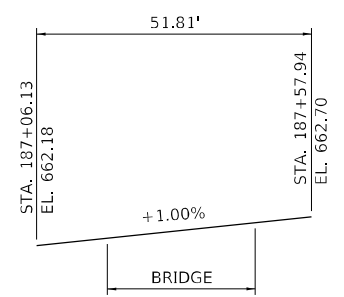
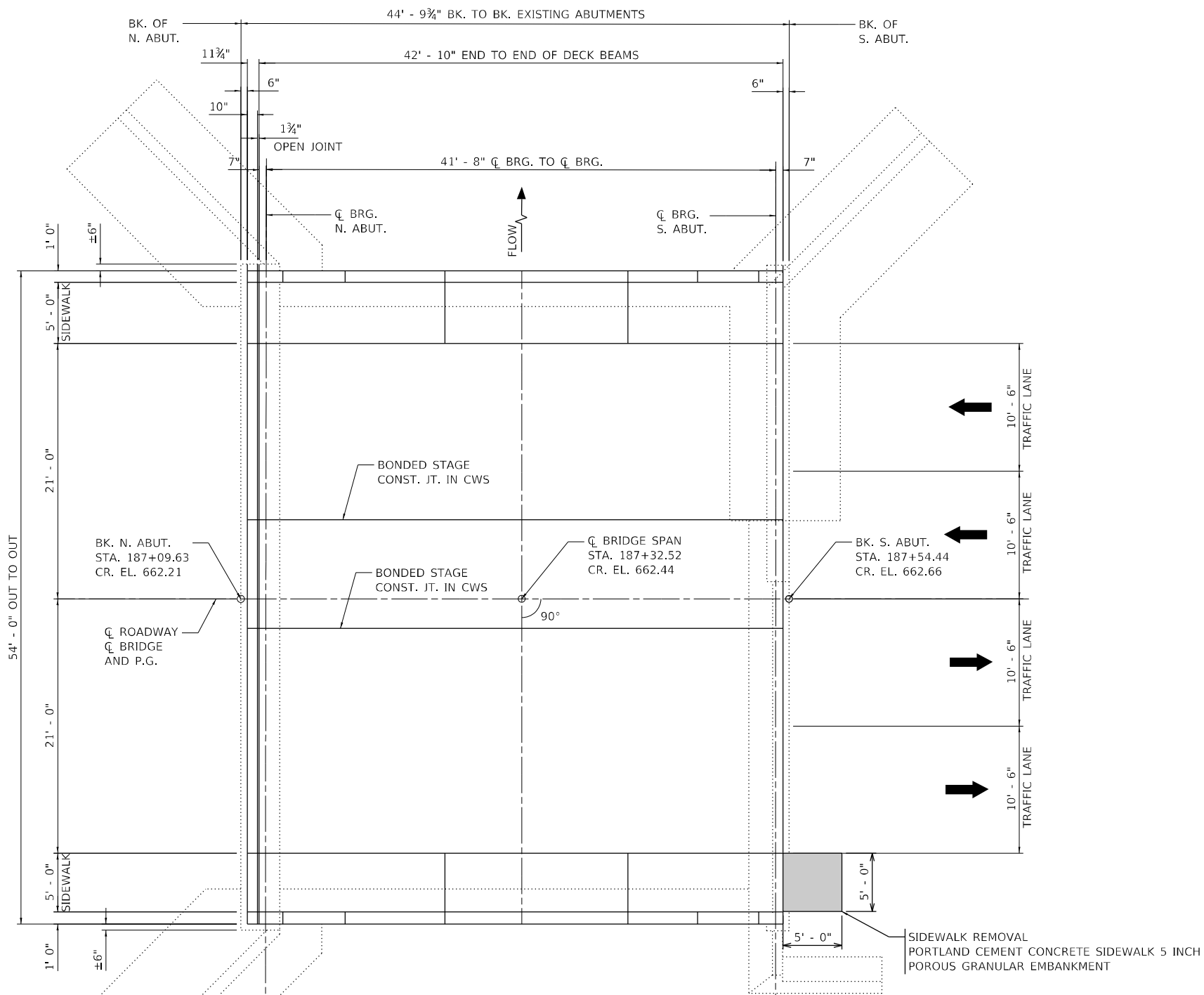
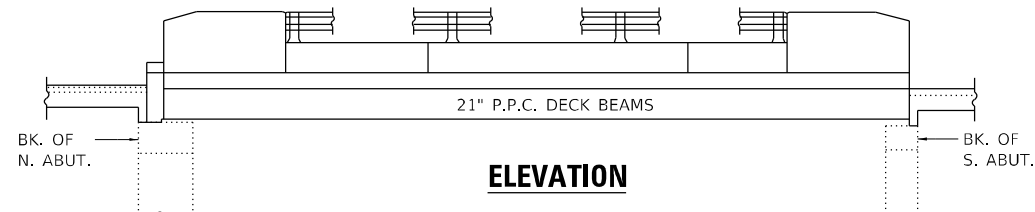
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 31 AT MILL CREEK  
SUMMARY OF QUANTITIES**

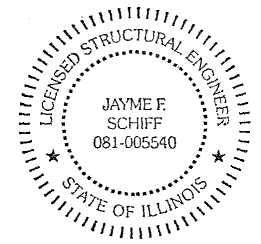
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	FAU 3887 22 CONCRETE	KANE	6	3
CONTRACT NO. 62U03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**PROFILE GRADE**  
AT  $\bar{C}$  ROADWAY  
(FOR BRIDGE ONLY)

**PLAN**



EXPIRES 11-30-2024

*Jayme F. Schiff*

TOTAL BILL OF MATERIALS		
ITEM	UNIT	QTY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	25
SIDEWALK REMOVAL	SQ FT	25
POROUS GRANULAR EMBANKMENT	CU YD	1.5
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	278
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	50
EPOXY CRACK INJECTION	FOOT	48
WELDED WIRE REINFORCEMENT	SQ YD	27

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PLOT DATE = 3/30/2023	CHECKED -	REVISED -
	DATE -	REVISED -


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**


**PLAN AND ELEVATION (SN 045-0020)  
IL 31 AT MILL CREEK**


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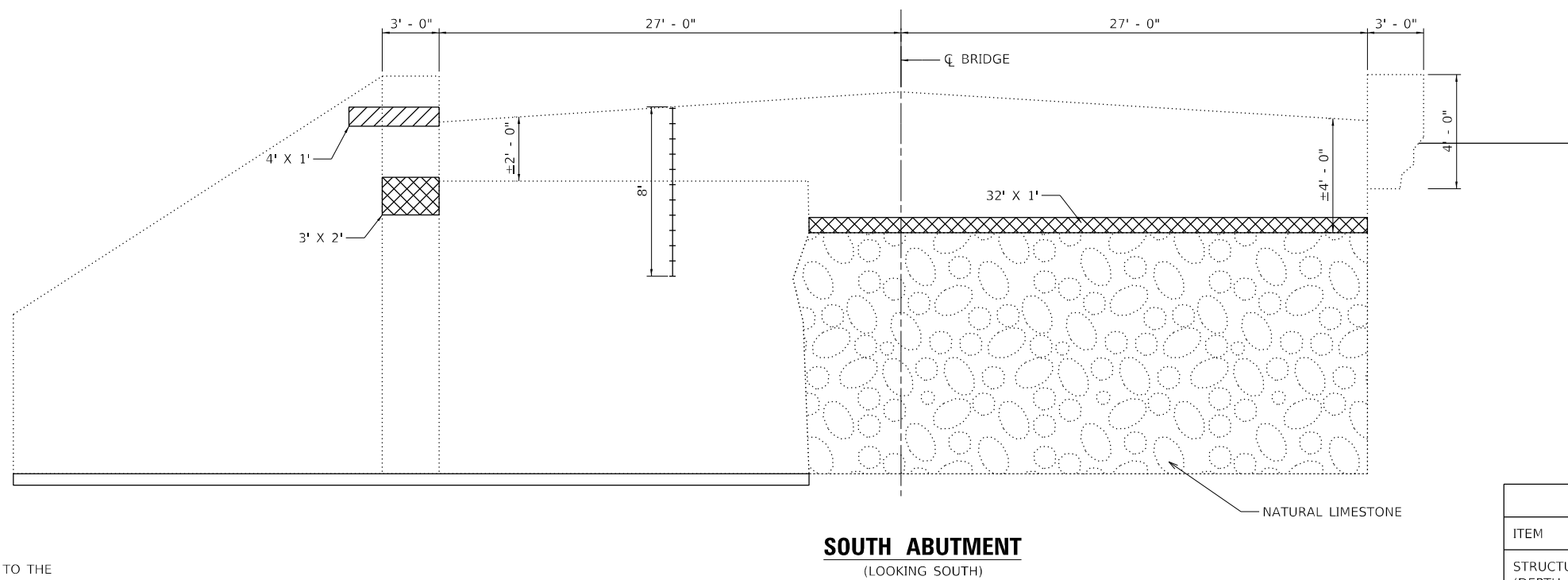
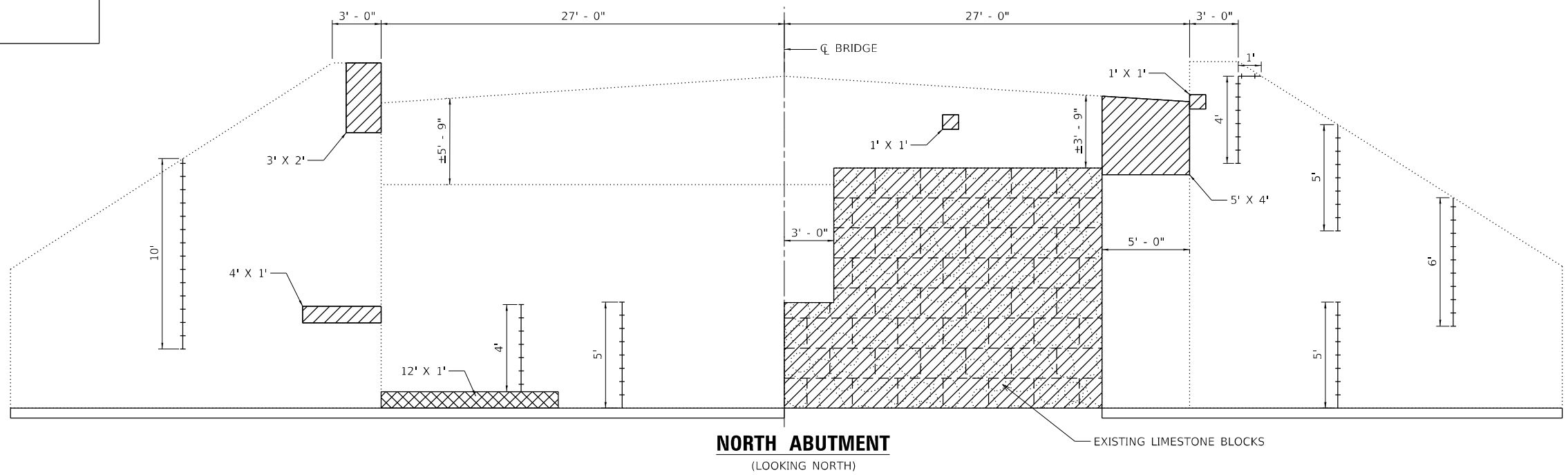
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3887	FAU 3887 22 CONCRETE	KANE	6	4
CONTRACT NO. 62U03				
ILLINOIS FED. AID PROJECT				

**LEGEND**

 STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)

 STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)

 EPOXY CRACK INJECTION



**NOTE:**  
 SELF-DRILLING ANCHORS SHALL BE INSTALLED TO THE EXISTING LIMESTONE BLOCKS AT 2'-0" SPACING CENTER TO CENTER. TUCK POINTING OF EXISTING LIMESTONE BLOCKS BEFORE REPAIRS. COST OF SELF-DRILLING ANCHORS AND TUCK POINTING INCLUDED IN THE COST OF STRUCTURAL REPAIR OF CONCRETE ≤ 5"

BILL OF MATERIALS		
ITEM	UNIT	QTY
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	278
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	50
EPOXY CRACK INJECTION	FOOT	48
WELDED WIRE REINFORCEMENT	SQ YD	27

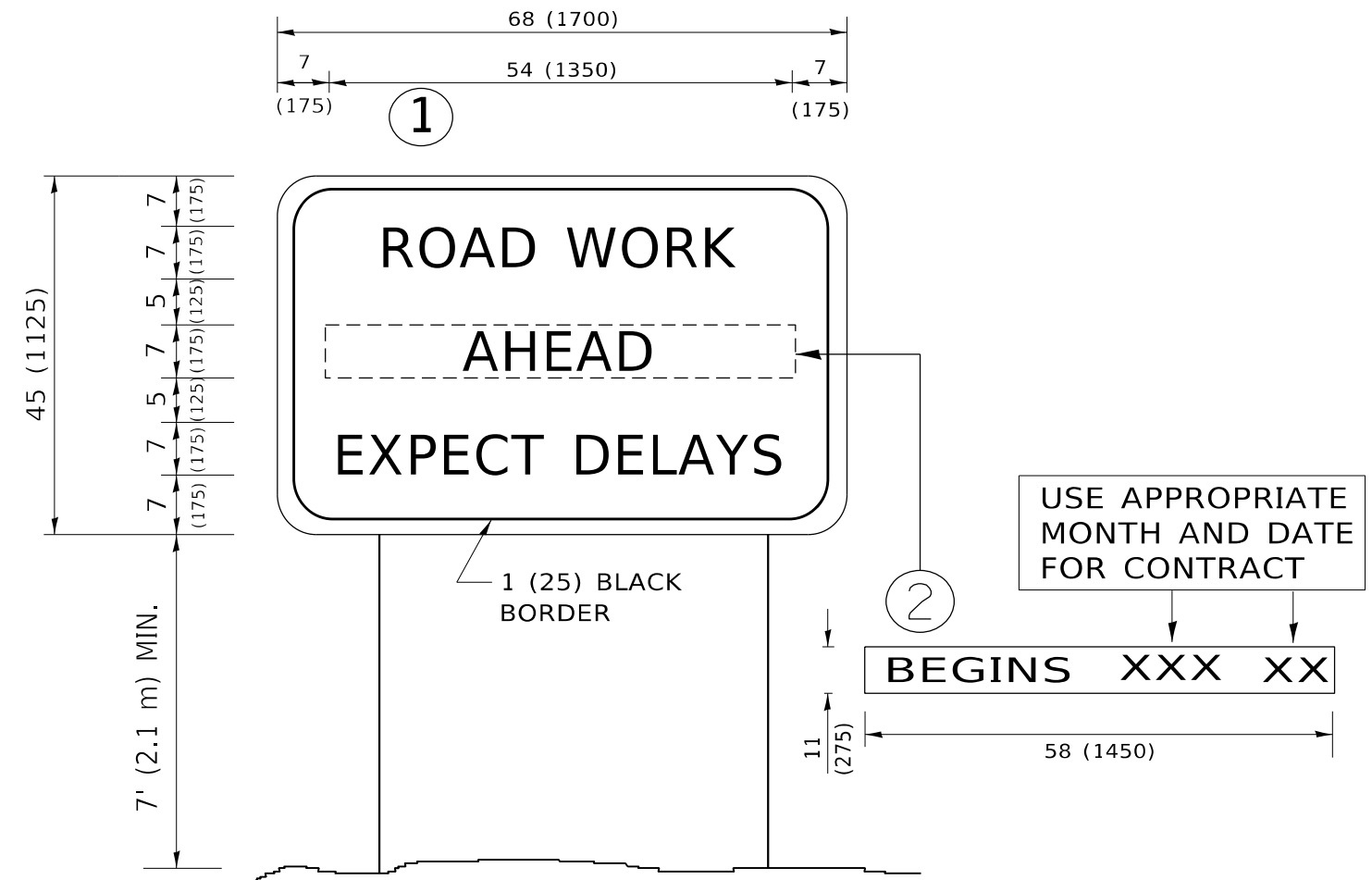
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PLOT DATE = 3/30/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SUBSTRUCTURE REPAIRS (SN 045-0020)			
IL 31 AT MILL CREEK			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	FAU 3887 22 CONCRETE	KANE	6	5
CONTRACT NO. 62U03				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	DRAWN -	REVISED - R. MIRS 12-11-97
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PLOT DATE = 3/30/2023	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	FAU 3887 22 CONCRETE	KANE	6	6
<b>TC-22</b>			CONTRACT NO. 62U03	
ILLINOIS FED. AID PROJECT				