

FOR INDEX OF SHEETS, SEE SHEET NO. 2 01-17-2025 LETTING ITEM 056  
 FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
**PROPOSED  
 HIGHWAY PLANS**

ILLINOIS ROUTE 120 (IL-120)  
 FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL  
 POSTED SPEED: 55 MPH  
 ADT: 29800 (2021)

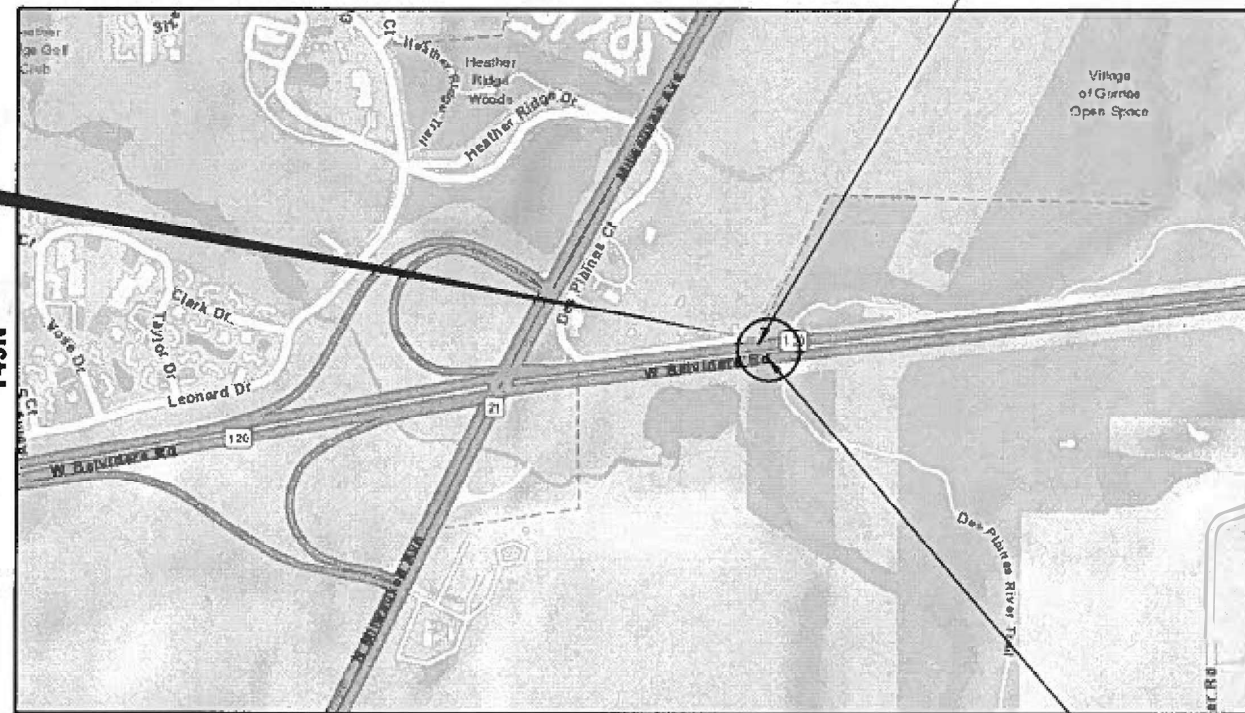


DATE SIGNED: 10/11/2024  
 EXP. DATE: 11/30/2026  
 SHEET: 4/6, 5/6

FAP ROUTE 0333  
 IL-120 (BELVIDERE ROAD) BRIDGE OVER DES PLAINES RIVER  
 SECTION (12-B-1)BR 23  
 PROJECT NHPP D14I(309)  
 SCOUR COUNTERMEASURES  
 LAKE COUNTY  
 C-91-128-24

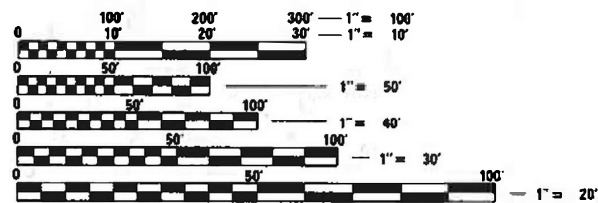
IMPROVEMENT LOCATED IN:  
 VILLAGE OF GURNEE  
 WARREN TOWNSHIP

PROJECT LIMITS  
 STA 135+95 TO STA 137+15  
 STA 635+69 TO STA 636+92



R11E  
 LOCATION MAP (NOT TO SCALE)  
 LAKE COUNTY

S.N. 049-0046	S.N. 049-0047
GROSS LENGTH = 356 FT. (0.067 MILES)	303 FT. (0.057 MILES)
NET LENGTH = 181 FT. (0.034 MILES)	135 FT. (0.026 MILES)



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

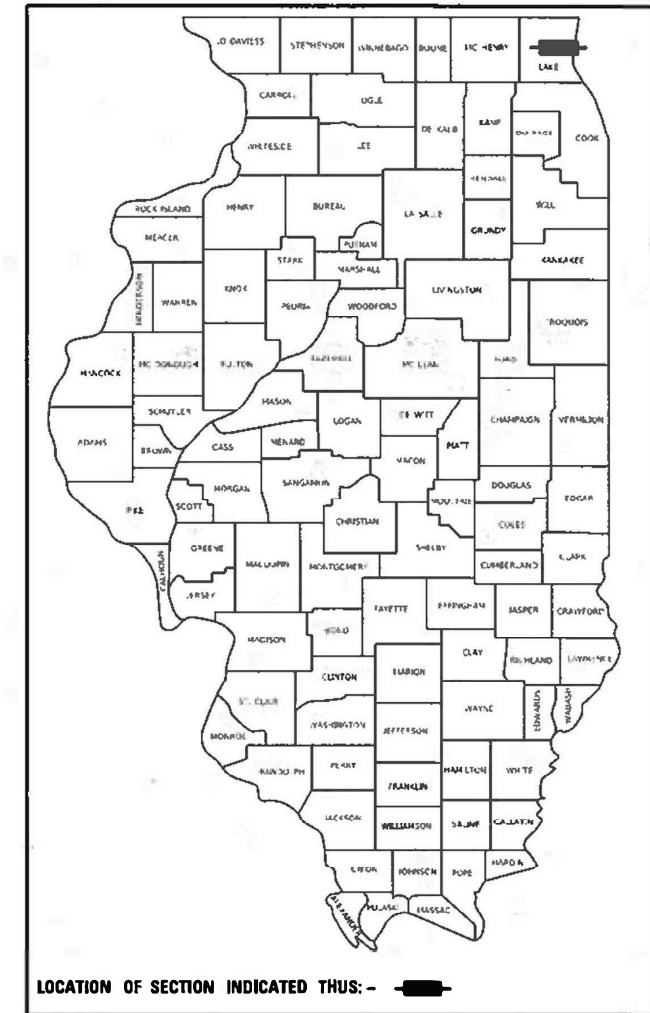
PROJECT ENGINEER: MR. PRAVEEN KAINI, PE, (847) 705-4237  
 PROJECT MANAGER: MR. J. ALAIN MIDY, PE, (847) 221-3056

CONTRACT NO. 62W32



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0333	(12-B-1)BR 23	LAKE	7	1
		ILLINOIS		

D-91-111-24



LOCATION OF SECTION INDICATED THIS: - [black rectangle] -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 16 20 24  
[Signature] IR  
 REGIONAL ENGINEER

December 6, 2024  
[Signature]  
 ENGINEER OF DESIGN AND ENVIRONMENT

December 6, 2024  
[Signature]  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SN 049-0046
5	SN 049-0047
6	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
7	TC-22 ARTERIAL ROAD INFORMATION SIGN

## GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITY FACILITIES. 48 HOUR NOTICE IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LAKE COUNTY, LAKE COUNTY FOREST PRESERVE DISTRICT, THE VILLAGE OF GURNEE, AND WARREN TOWNSHIP.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 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 AND INSTALLATION.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL EXERCISE CAUTION WHEN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN IN THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE PERFORMED BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. 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 WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS "COFFERDAM (TYPE 2)" WITH A BASIS OF PAYMENT OF EACH.
- CONTRACTOR TO COORDINATE WITH LAKE COUNTY FOREST PRESERVE DISTRICT TO PROVIDE ADVANCE SIGNING FOR CLOSURES OF DES PLAINES RIVER TRAIL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF LAKE COUNTY FOREST PRESERVE DISTRICT'S PROPERTY. CONTRACTOR SHALL RESTORE ANY DAMAGED LAKE COUNTY FOREST PRESERVE DISTRICT PROPERTY IN KIND AND/ OR TO THE SATISFACTION OF LAKE COUNTY FOREST PRESERVE DISTRICT.

## LIST OF STATE HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701411-09	LANE CLOSURE MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS >= 45 MPH
701901-10	TRAFFIC CONTROL DEVICES

## COMMITMENTS

MODEL: Default  
FILE NAME: G:\Engineering\Live\Projects\20005 IDOT DUR/WO 50 - 62W32 - Secur CM IL12003 CADD\01\_Sheets\Civil\12W32-eh-gen notes.dgn



USER NAME = jdavis	DESIGNED - JJD	REVISED -
	DRAWN - JS	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 10/17/2024	DATE - 01/29/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES	
ILLINOIS ROUTE 120 OVER DES PLAINES RIVER	
SCALE: NONE	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0333	(12-B-1)BR 23	LAKE	7	2
			CONTRACT NO. 62W32	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				FED 80% STATE 20% BRIDGE 0013 S.N. 049-0046 & S.N. 049-0047
20101000	TEMPORARY FENCE	FOOT	400	400
25100115	MULCH, METHOD 2	ACRE	0.5	0.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	42	42
28000400	PERIMETER EROSION BARRIER	FOOT	18500	18500
28100109	STONE RIPRAP, CLASS A5	SQ YD	640	640
28200200	FILTER FABRIC	SQ YD	346	346
50200300	COFFERDAM EXCAVATION	CU YD	728	728
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1	1
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1	1
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	200	200
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	7	7

\* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				FED 80% STATE 20% BRIDGE 0013 S.N. 049-0046 & S.N. 049-0047
67100100	MOBILIZATION	L SUM	1	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1
K0029620	WEED CONTROL, BROADLEAF WEED CONTROL	GALLON	1	1
X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	2250	2250
X6640628	WOOD POST AND RAIL FENCE	FOOT	100	100
X6640636	WOODEN FENCE REMOVAL	FOOT	100	100
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52

\* SPECIALTY ITEMS

MODEL: S00\_1  
FILE: \\msr\g\Engineering\Live\Projects\2005 IDOT DUR/WO 50 - 62W32 - Sour. CM IL12003 CADD\01 Sheets\Civil\12W32-eh-S00.dgn



USER NAME = jschumann	DESIGNED - JJD	REVISED -
	DRAWN - JS	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 11/20/2024	DATE - 01/29/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 120 OVER DES PLAINES RIVER**

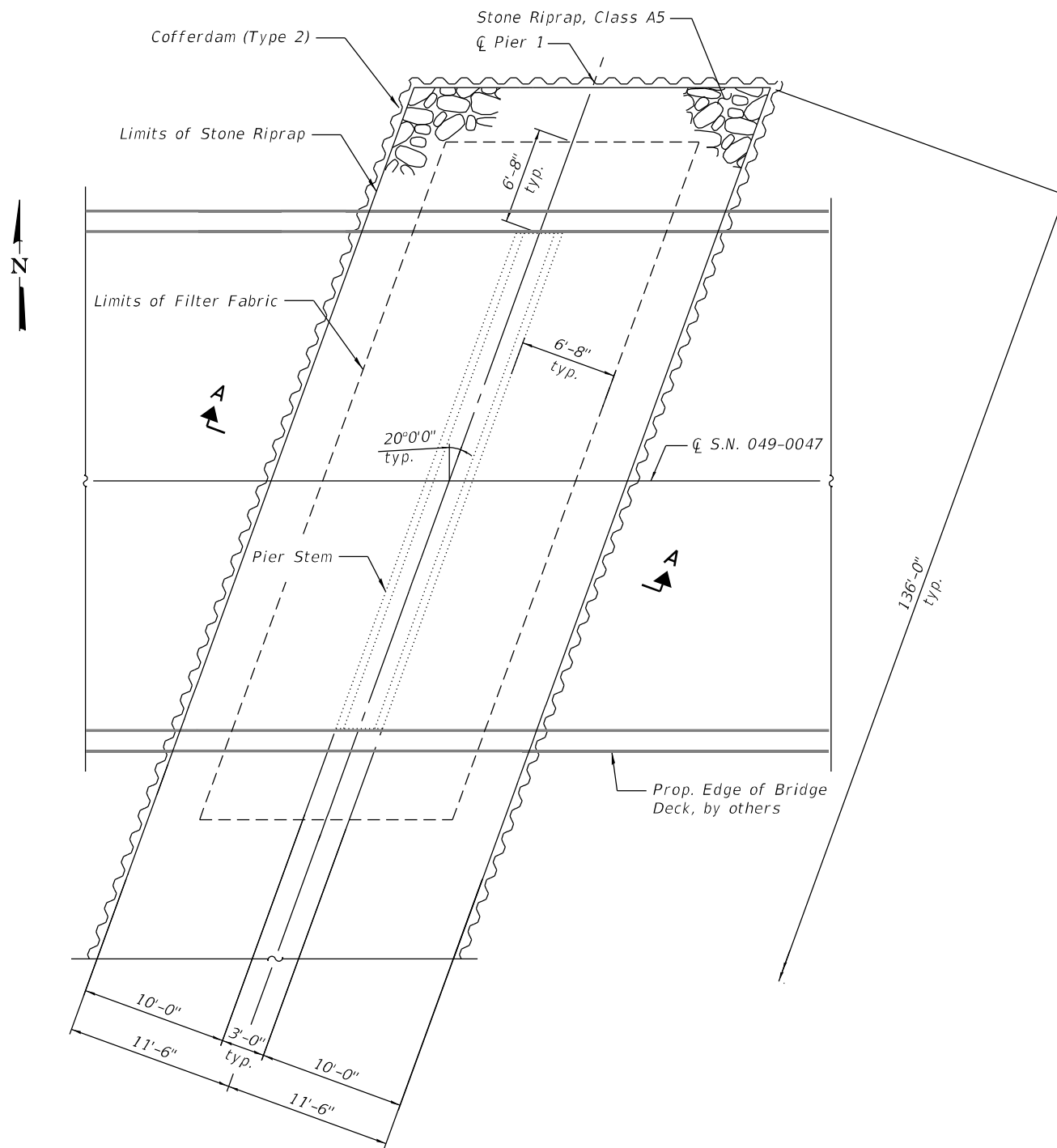
SCALE: NONE SHEET 1 OF 0 SHEETS STA. TO STA.

F.A.P. RTE. 0333	SECTION (12-B-1)BR 23	COUNTY LAKE	TOTAL SHEETS 7	SHEET NO. 3
				CONTRACT NO. 62W32
ILLINOIS FED. AID PROJECT				



**BILL OF MATERIAL**

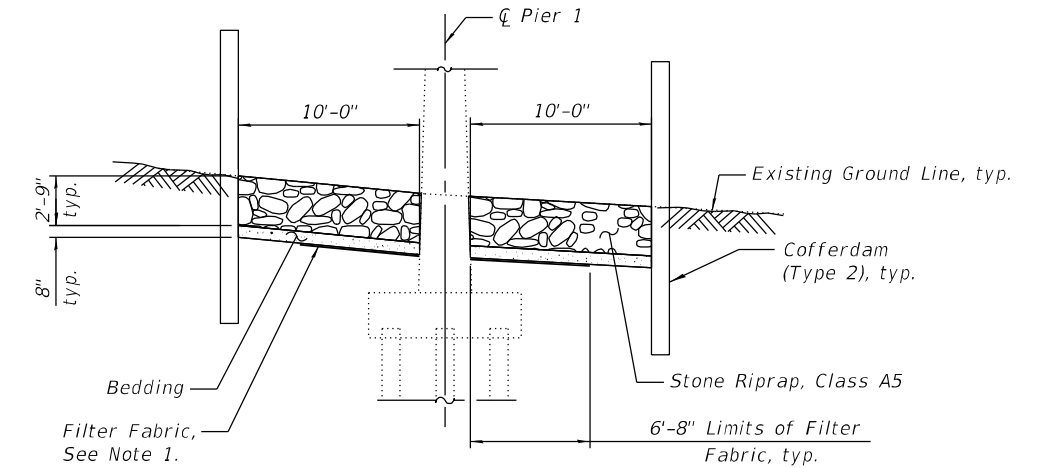
ITEM	UNIT	TOTAL
Stone Riprap, Class A5	Sq Yd	640
Filter Fabric	Sq Yd	347
Cofferdam Excavation	Cu Yd	728
Cofferdam (Type 2) (Location - 1)	Each	1
Cofferdam (Type 2) (Location - 2)	Each	1



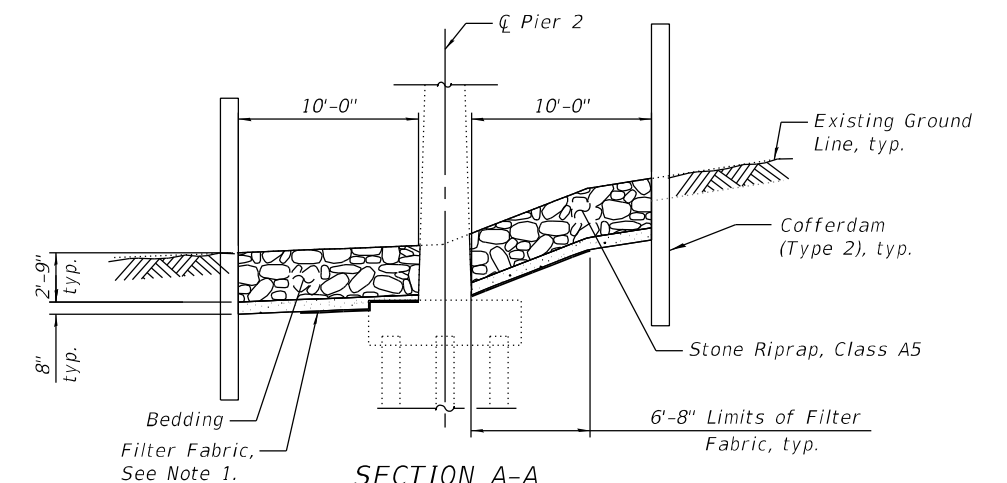
**SCOUR COUNTERMEASURE PLAN**  
(Pier 1 of WB bridge shown, Pier 2 and EB bridge similar U.N.O.)

**Notes**

- Bending the Filter Fabric may not be required if depth of existing grade above the top of footing is larger than the depth of excavation. Contractor shall field verify the existing grade elevation.



**SECTION A-A**  
**LIMITS OF RIPRAP AND FILTER FABRIC**  
(Pier 1 of WB bridge shown, Pier 1 of EB bridge similar)



**SECTION A-A**  
**LIMITS OF RIPRAP AND FILTER FABRIC**  
(Pier 2 of WB bridge shown, Pier 2 of EB bridge similar)

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USER NAME =	DESIGNED - ME	REVISED -
CHECKED - JL	CHECKED - JL	REVISED -
PLOT SCALE =	DRAWN - ME	REVISED -
PLOT DATE =	CHECKED - JL	REVISED -

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

SCOUR COUNTERMEASURES DETAILS  
STRUCTURES NO. 049-0046 & 049-0047

SHEET SA-02 OF SA-02 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0333	(12-B-1)BR 23	LAKE	07	05
CONTRACT NO. 62W32				
ILLINOIS FED. AID PROJECT				



