

**INDEX OF SHEETS**

04-26-2019 LETTING ITEM 148

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, TYPICAL SECTIONS, PAVEMENT DESIGN INFORMATION, DETAILS
3	SUMMARY OF QUANTITIES, SCHEDULES OF QUANTITIES
4	TRAFFIC CONTROL PLAN
5	EROSION CONTROL PLAN
6	PLAN AND PROFILE
7-14	STRUCTURE PLANS
15-19	CROSS SECTIONS
20 - 22	EXISTING BRIDGE PLANS

4-9-2019

**HIGHWAY STANDARDS**

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 515001-03 NAME PLATE FOR BRIDGES
- 601101-02 CONCRETE HEADWALL FOR PIPE UNDERDRAINS
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 701901-08 TRAFFIC CONTROL DEVICES
- 725001-01 OBJECT AND TERMINAL MARKERS
- 780001-05 TYPICAL PAVEMENT MARKINGS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR 26-3 STEEL PLATE BEAM GUARDRAIL 29" HEIGHT
- BLR 27-1 TRAFFIC BARRIER TERMINAL TYPE 5A

**UTILITY COMPANIES**

- ONEIDA TELEPHONE EXCHANGE  
ONEIDA, ILLINOIS
- MID CENTURY TELEPHONE CO-OP  
FAIRVIEW, ILLINOIS
- AMEREN ILLINOIS  
BELLEVILLE, ILLINOIS

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

Revised 4-9-19

# STATE OF ILLINOIS

## DEPARTMENT OF TRANSPORTATION

### PLANS FOR PROPOSED

# SURFACE TRANSPORTATION PROGRAM-BRIDGE

## KNOX COUNTY

### SECTION 07-00017-01-BR

## F.A.S. 393 (C.H. 4) OVER WALNUT CREEK

### PROJECT NO. 9WLA(727)

## JOB NUMBER C-94-076-07

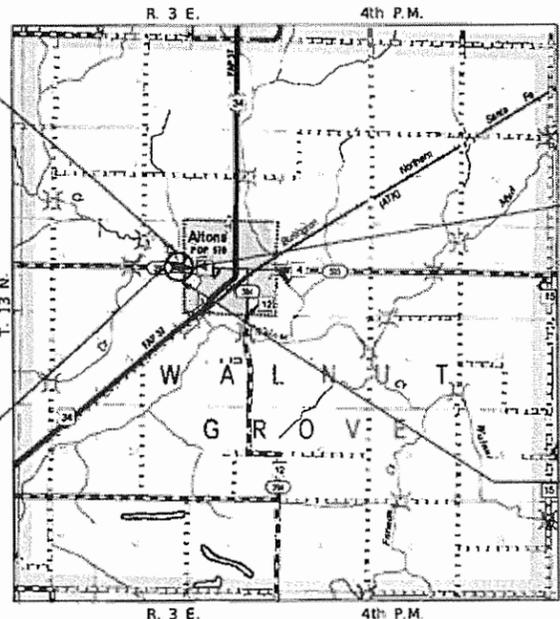
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
393	07-00017-01-BR	KNOX	22	1
FED. ROAD DIST. NO. 7 ILLINOIS		CONTRACT NO. 89474		



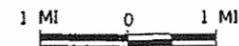
PROPOSED STRUCTURE SN 048-3393  
THREE SPAN REINFORCED CONCRETE SLAB SUPERSTRUCTURE ON CONCRETE ENCASED PILE BENT PIERS AND CONCRETE INTEGRAL ABUTMENTS. 94'-0" BK TO BK, AND 28'-0" O TO O DECK, NO SKEW

SECTION 07-00017-01-BR BEGINS  
STATION 18+25.00

SECTION 07-00017-01-BR ENDS  
STATION 21+75.00



**LOCATION MAP**



APPROXIMATE SCALE

NET LENGTH OF PROJECT = 350.00 FEET = 0.066 MILES

DESIGN CLASSIFICATION. MAJOR COLLECTOR (NON-URBAN)  
DESIGN ADT = 300 (2019)  
40 MPH DESIGN SPEED

EXISTING STRUCTURE SN 048-3001  
THREE SPAN PRECAST NELSON BEAM SUPERSTRUCTURE ON TIMBER PILE BENT ABUTMENTS WITH CONCRETE CAPS AND TIMBER LAGGING AND INDIVIDUAL CONCRETE PILE BENT PIERS WITH CONCRETE CAPS. 79'-0" BK TO BK, 26'-3" O TO O DECK, NO SKEW. (TO BE REMOVED)

**Hutchison Engineering, Inc.**  
JACKSONVILLE-SHOREWOOD  
PEORIA-QUAD CITIES

2019

JOB#4261



Signature of Sean T. Mierwa

ENGINEERS SEAL

DIVISION of HIGHWAYS  
Dept. of Transportation

FEB 13 2019

Region 3/District 4  
RECEIVED  
Local Roads

APPROVED 2/5 2019

Signature of Susan J. Robinson  
KNOX COUNTY ENGINEER

PASSED 02-15- 2019

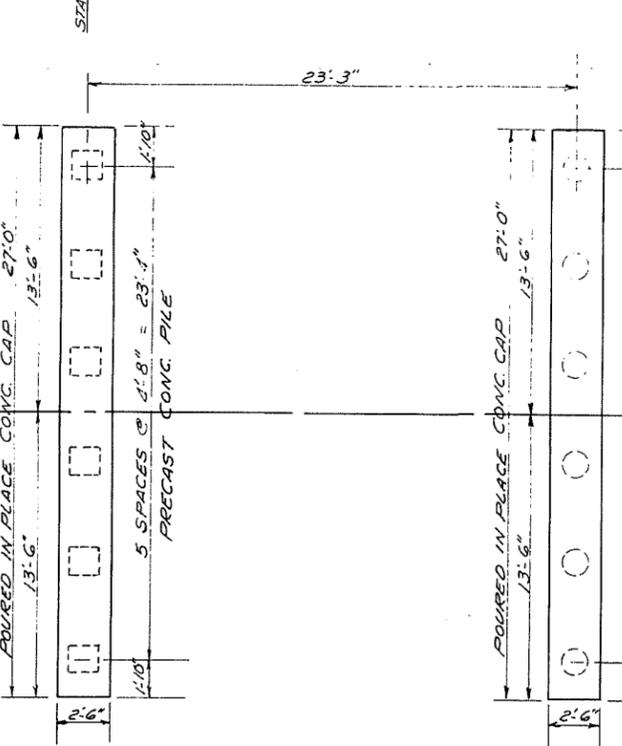
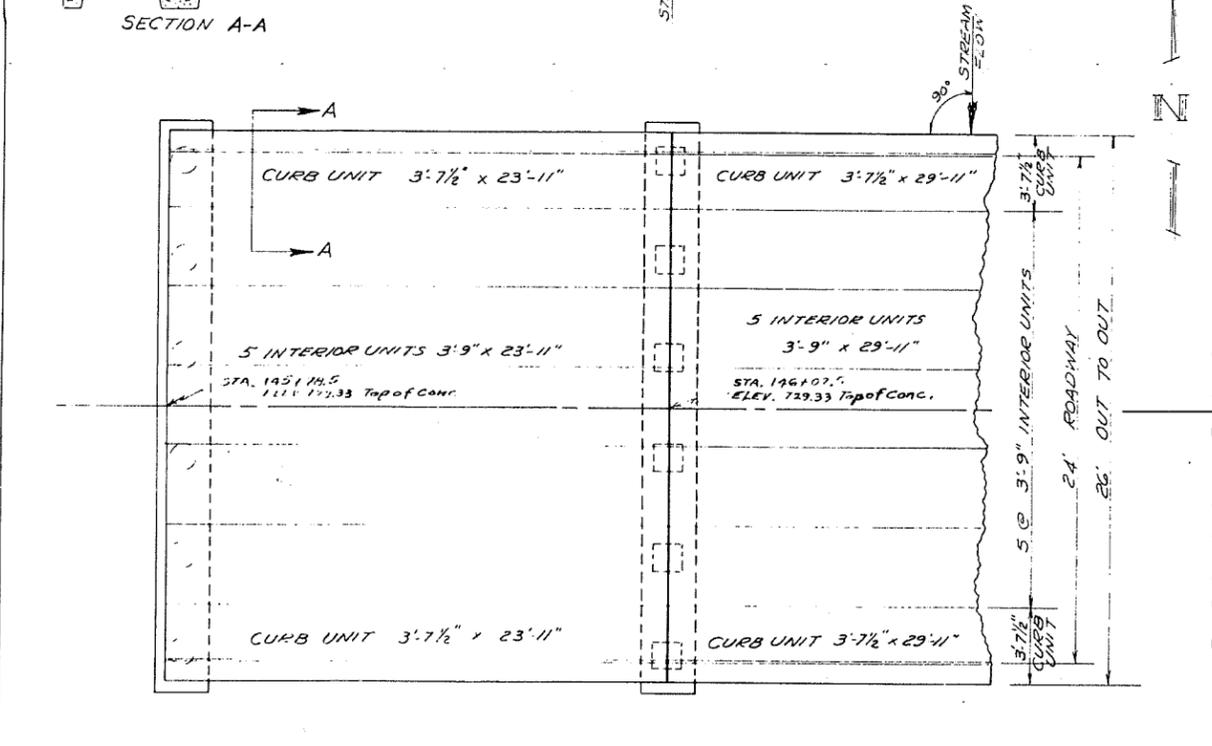
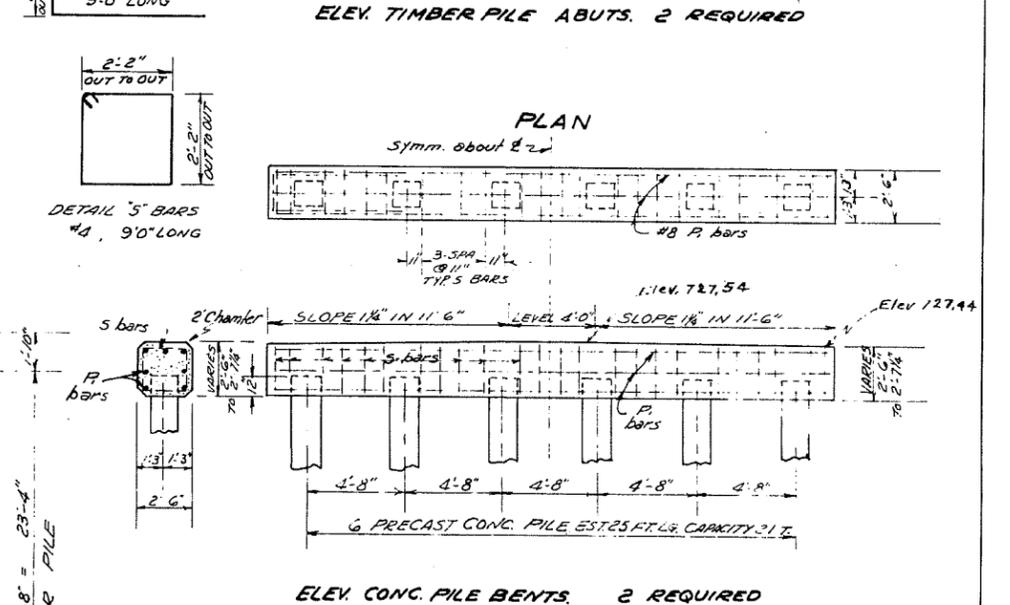
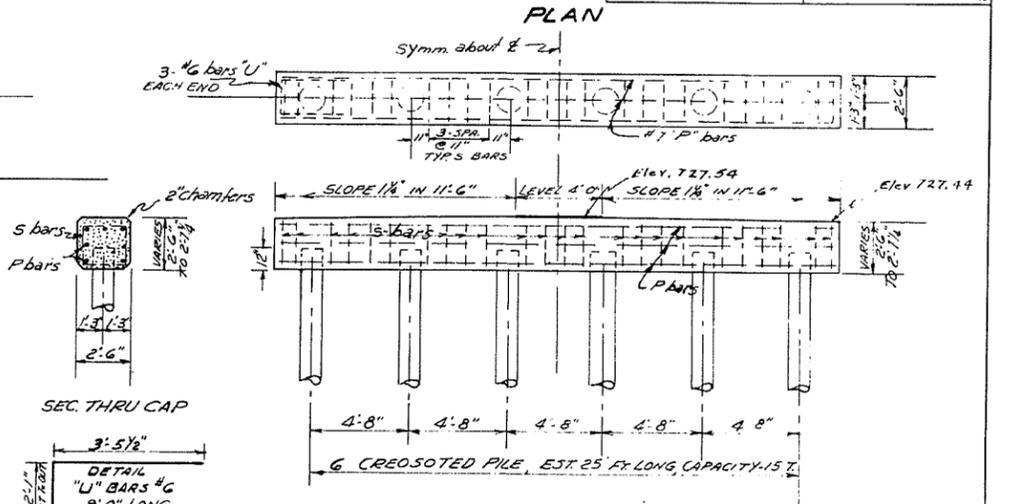
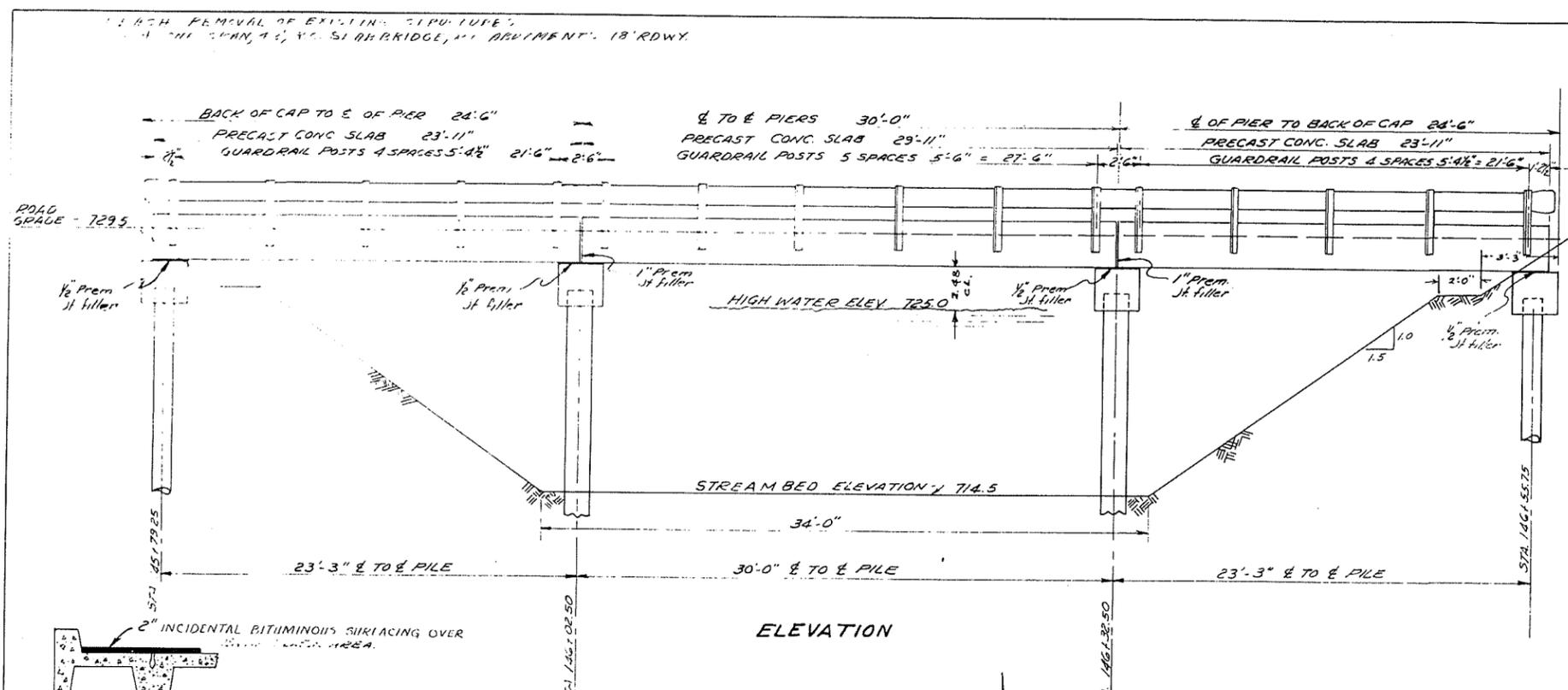
Signature of [Name]  
DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS

Released For Bid Based on Limited Review 02-15- 2019

Signature of Kensil A. Barnett  
REGION THREE ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
393	17 B	KNOX	16	6
FED. ROAD DIST. NO. 7		ILLINOIS PROJ. 5-393-10		



MATERIAL FOR 4 CARS

BAR	NO.	SIZE	LENGTH	SHAPE
P	14	#7	26'-6"	—
P	14	#8	26'-6"	—
S	96	#4	9'-0"	□
U	24	#6	9'-0"	□
REINFORCEMENT BARS		POUNDS	2650	
CLASS X CONCRETE		CU. YDS.	25.5	

BILL OF MATERIAL SUB-STR.

CLASS X CONC.	CU. YDS.	25.5
REINFORCEMENT BARS	POUNDS	2650
PRE-CAST CONC. PILE	LIN. FT.	275
CREOSOTED TIMBER PILE	LIN. FT.	275
TEST PILE TIMBER	EACH	1
TEST PILE PRECAST CONC.	EACH	1

STA. 146+175  
 BUILT 1962  
 F.A.S. PROJ. 393 SEC. 17B  
 F.A.S. PROJECT 5-393-10  
 LOADING H15-512

LETTERING FOR NAME PLATE  
 SEE STANDARD NO 2113

TOTAL BILL OF MATERIAL FOR BRIDGE

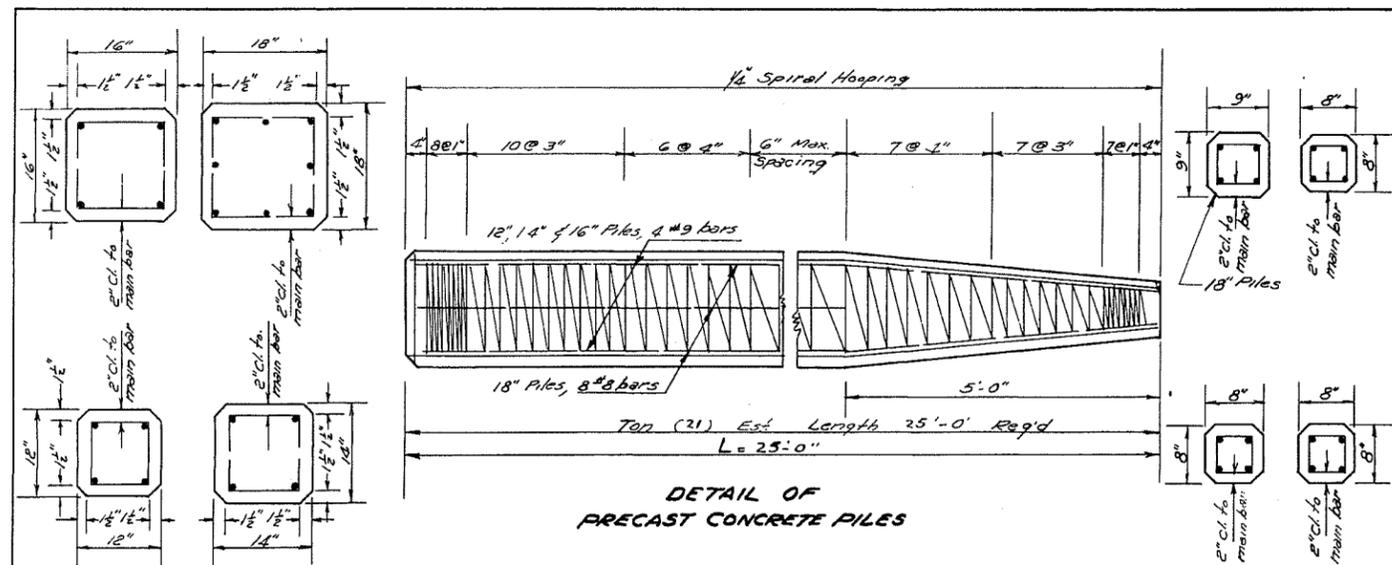
ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL
PRECAST CONCRETE BRIDGE SLAB	CU. YD.	25.5	102.00	2601.00
CLASS X CONCRETE	CU. YD.	25.5	102.00	2601.00
REINFORCEMENT BARS	POUNDS	2650	1.00	2650.00
PRECAST CONCRETE PILES	LIN. FT.	275	1.00	275.00
CREOSOTE TIMBER PILES	LIN. FT.	275	1.00	275.00
TEST PILES (TIMBER)	EA.	1	1.00	1.00
TEST PILES (PRECAST CONCRETE)	EA.	1	1.00	1.00
NAME PLATES	EA.	1	1.00	1.00
METAL PLATE BRIDGE RAIL	LIN. FT.	151	1.00	151.00
INCIDENTAL BITUMINOUS SURFACING	TONS	23	1.00	23.00

KNOX	TOTAL SHEETS	SHEET
CONTRACT 89474	22	20

Added  
 13,800  
 500.  
 304.  
 525.  
 4-9-2019

NOTE: TEST PILE TO BE DRIVEN IN PERMANENT LOCATION





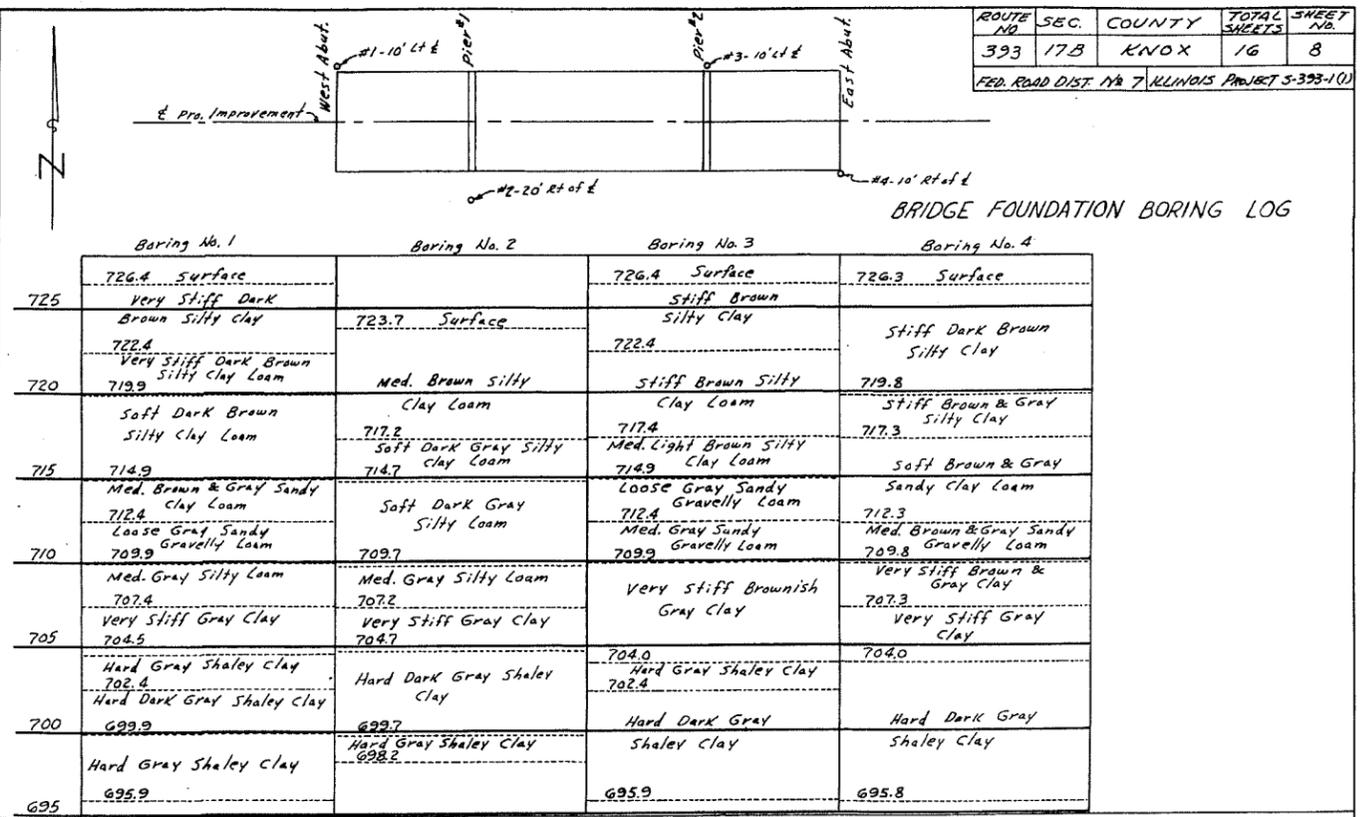
**DETAIL OF PRECAST CONCRETE PILES**

**SCHEDULE OF PILES**

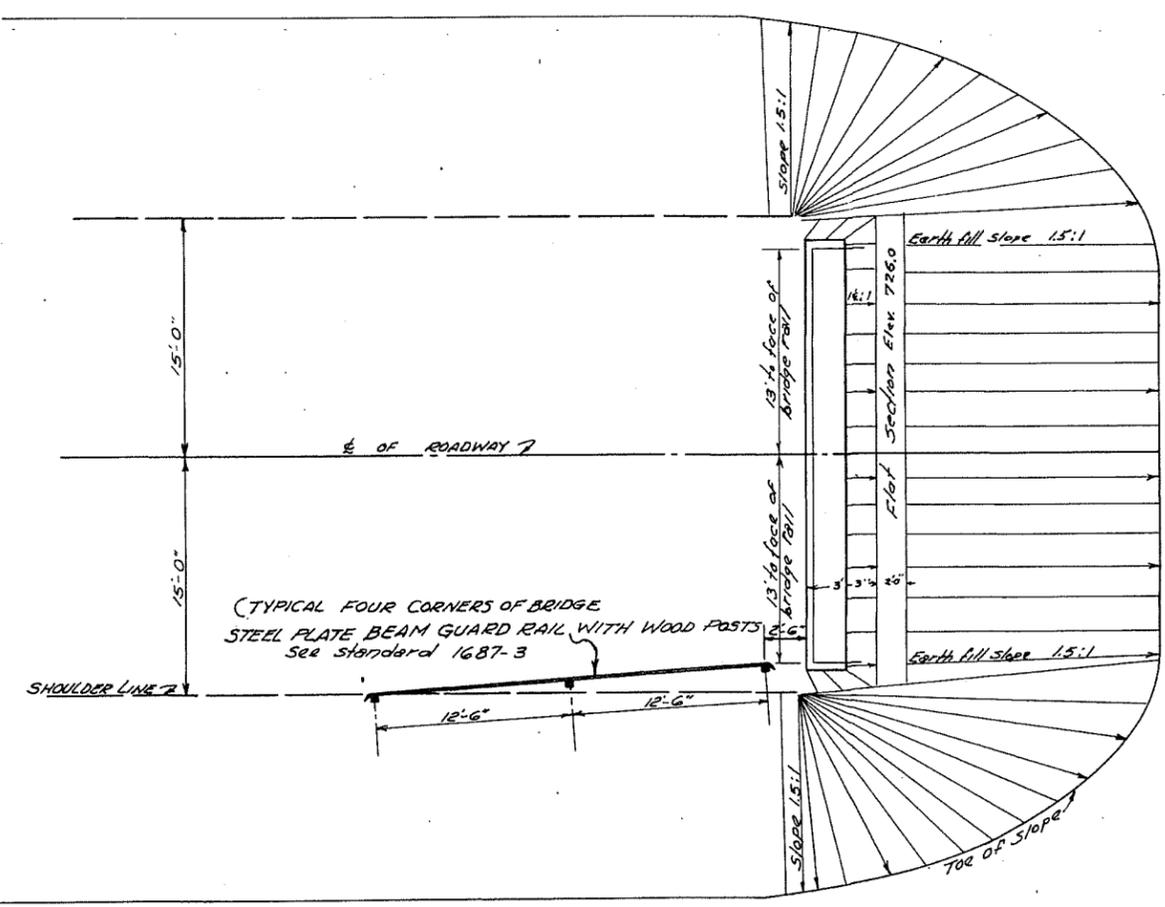
No. REQ'D	BEARING TON	SIZE	LENGTH	MAIN BARS
11	21	14" x 14"	25'-0"	# 7

Note: All piles over 45' long use # 8 bars as main bars

Note to Contractor:  
 For pile lengths up to 45' in length use two slings placed at a distance of 0.21 L from each end. On piles longer than 45' ft. Use three slings placed at 0.12 L from each end and at mid. point of pile.



**BRIDGE FOUNDATION BORING LOG**



**PLAN OF SPILL THRU ABUT. SHOWING EARTH FILL & GUARD RAIL**

Added  
 4-9-2019

CONTRACT 89474	TOTAL SHEETS 22	SHEET 22
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