

SHEET NO.	INDEX OF SHEETS	TITLE
1	TITLE SHEET AND INDEX OF SHEETS	
2	GENERAL NOTES, TYPICAL SECTIONS AND SUMMARY OF QUANTITIES	
3	PLAN AND PROFILE	
4	DETAIL OF STAGE CONSTRUCTION	
5-12	BRIDGE PLANS	
13	TRAFFIC CONTROL STANDARD 2309 (SPECIAL)	

THE FOLLOWING STANDARDS ARE PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 13:

BLR 14-1	PCB PAVEMENT
1688-4	SYMBOLS AND ABBREVIATIONS
2113-2	NAME PLATES
2230-13	STEEL PLATE BEAM GUARD RAIL
2298-5	TRAFFIC CONTROL AND PROTECTION
2299-8	TRAFFIC CONTROL AND PROTECTION
2300-2	TRAFFIC CONTROL AND PROTECTION
2300-4	TRAFFIC CONTROL AND PROTECTION
2307-4	TRAFFIC CONTROL AND PROTECTION
2338-2	TRAFFIC BARRIER TERMINAL, TYPE SA
2340-3	TRAFFIC BARRIER TERMINAL, TYPE SA
2383-1	TEMPORARY CONCRETE BARRIER
2388-1	TRAFFIC BARRIER TERMINAL, TYPE II
2303-5	TRAFFIC CONTROL AND PROTECTION
2305-4	TRAFFIC CONTROL AND PROTECTION
2306-4	TRAFFIC CONTROL AND PROTECTION
2381	TEMPORARY EROSION CONTROL SYSTEMS
2309-3	TRAFFIC CONTROL AND PROTECTION
2228-4	METAL END SECTION
2324-5	BRIDGE APPROACH SHOULDER PAVEMENT

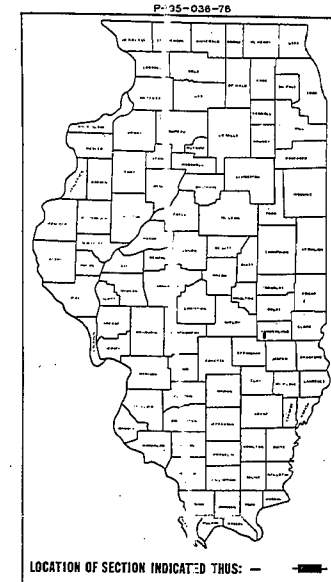
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY



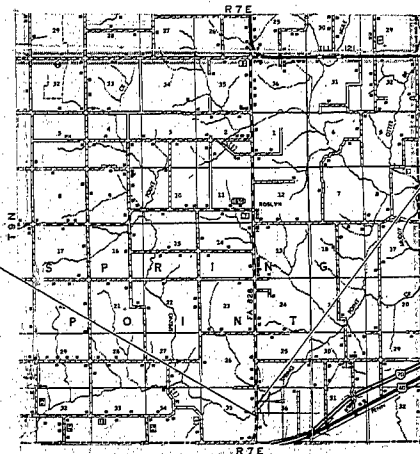
FA. ROUTE 828
 PROJECT BR-F-828(8)
 SECTION 12BR-1
 CUMBERLAND COUNTY

C-95-078-80

FA. RT.	SECTION	COUNTY	SECTION	SECTION
828	12BR-1	CUMBERLAND	12B	1



FA. ROUTE 828
 PROJECT BR-F-828(8)
 SECTION 12BR-1
 CUMBERLAND COUNTY
 ENDS STA. 453+72.46



FA. ROUTE 828
 PROJECT BR-F-828(8)
 SECTION 12BR-1
 CUMBERLAND COUNTY
 BEGINS STA. 452+83.54

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED: Jan 9 1961
 M. G. Jorgel
 EXAMINED: Feb 27 61
 PASTER: Feb 28 61
 APPROVED: Feb 29 61

DESIGNED BY PEAS AND COMPANY
 CHECKED BY PEAS
 DIVISION OF HIGHWAYS

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____ DATE: _____
 DIVISION ADMINISTRATOR

CONTRACT NO. 34939

LENGTH OF PROJECT BR-F-828(8) = 108.92 LIN. FT. = 0.021 MILES

CUMBERLAND COUNTY SECTION 12BR-1 F. A. ROUTE 828

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED OCTOBER 1, 1978, THE "MIMEOGRAPHED SPECIFICATIONS" AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

SECTION 12BR-1 CONSISTS OF REMOVING THE EXISTING BRIDGE OVER SPRING POINT CREEK AT STATION 453+18, NEW PIERS AND ABUTMENTS, NEW PRECAST PRESTRESSED CONCRETE DECK BEAM SUPERSTRUCTURE, BITUMINOUS CONCRETE RESURFACING, EARTHWORK AND OTHER INCIDENTAL WORK NECESSARY TO COMPLETE THIS SECTION.

WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ANY REFERENCE TO A STANDARD SHOWN IN THE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THE PLANS.

FOR BURIED UTILITY INFORMATION CALL "J.U.L.I.E." 800-892-0123

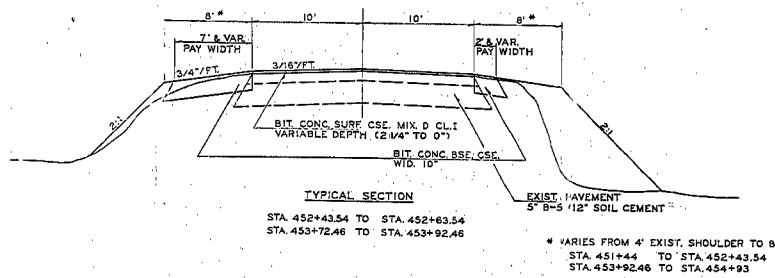
BORROW/EXCAVATION NECESSARY FOR THE CONSTRUCTION OF THIS SECTION SHALL BE FURNISHED BY THE CONTRACTOR FROM LOCATIONS APPROVED BY THE ENGINEER.

THE SPRING SEEDING SEASON SHALL EXTEND FROM JANUARY 1 THROUGH JUNE 31. THE FALL SEEDING SEASON SHALL EXTEND FROM JULY 1 THROUGH DECEMBER 31. SEEDING SHALL BE DONE AT SUCH TIME AS TO PROVIDE FOR STRICT COMPLIANCE WITH ARTICLE 107.30 OF THE STANDARD SPECIFICATIONS. SPECIFIC APPLICATION RATES FOR SEEDING CLASS II SUPPORTIVE MATERIALS SHALL BE:

- 80 POUNDS PER ACRE OF NITROGEN FERTILIZER NUTRIENTS
- 80 POUNDS PER ACRE OF PHOSPHORUS FERTILIZER NUTRIENTS
- 80 POUNDS PER ACRE OF POTASSIUM FERTILIZER NUTRIENTS
- 4 TONS PER ACRE OF AGRICULTURAL GROUND LIMESTONE
- 2 TONS PER ACRE OF MULCH

ESTIMATED QUANTITIES FOR EARTHWORK INCLUDE:

- EARTH EXCAVATION 422 CU. YD.
- BORROW EXCAVATION 89 CU. YD.

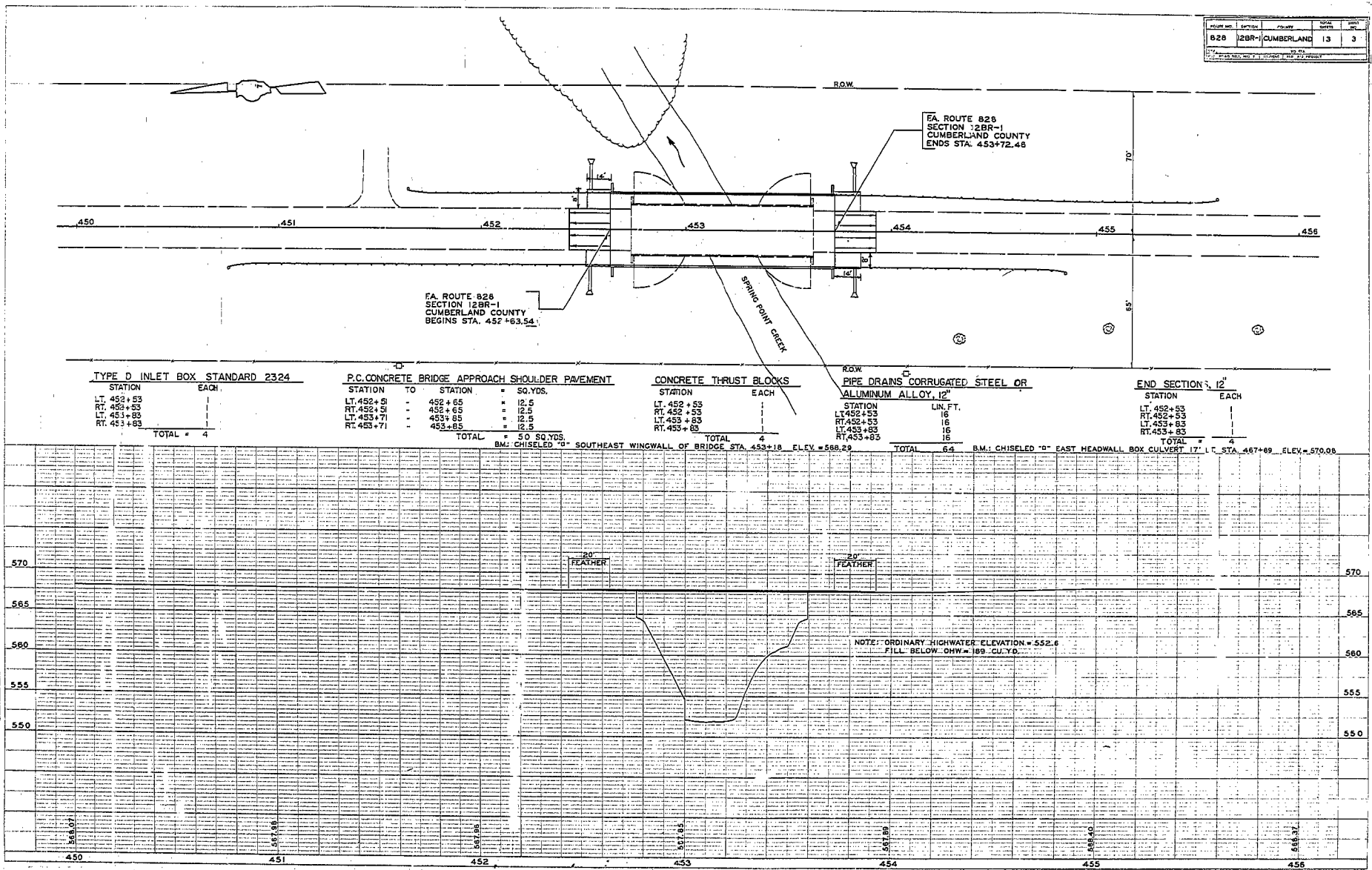


SUMMARY OF QUANTITIES

CODE	ITEM	SAFETY COD		SECTION 12BR-1 CUMBERLAND CO.
		CONSTRUCTION TYP	CODE	
		UNIT	TOTAL	X080
X04748	MOBILIZATION	L. SUM.	1	1
X05728	TEMPORARY BRIDGE RAIL	LIN. FT.	112	112
X01640	TEMPORARY CONCRETE BARRIER	LIN. FT.	390	390
X01641	TEMPORARY CONCRETE BARRIER, TERMINAL SECTION	EACH	2	2
X01642	RELOCATE TEMPORARY CONCRETE BARRIER	LIN. FT.	244	244
X02835	TRAFFIC BARRIER TERMINAL, TYPE 1A	EACH	4	4
X02837	STEEL PLATE BEAM GUARD RAIL, TYPE A	LIN. FT.	437.5	437.5
X02843	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4	4
X02875	TRAFFIC BARRIER TERMINAL, TYPE 11	EACH	2	2
Z10317	PORTLAND CEMENT MORTAR FAIRING COURSE	LIN. FT.	847	847
Z10530	WATERPROOFING MEMBRANE SYSTEM	SQ. YD.	408	408
207001	EMBANKMENT	CU. YD.	358	358
308005	BITUMINOUS CONCRETE BASE COURSE WIDENING 10"	SQ. YD.	112	112
408005	LEVELING BINDER (MACHINE METHOD)	TON	15	15
408013	BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS 1	TON	46	46
304005	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ. YD.	15	15
501001	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
502001	STRUCTURE EXCAVATION	CU. YD.	29	129
503003	PROTECTIVE COAT	SQ. YD.	0	30
504003	CLASS X CONCRETE	CU. YD.	1	156.7
505003	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ. FT.	3837	3807
508009	STEEL RAILING, TYPE T	LIN. FT.	2.2	212
511759	END SECTION 12"	EACH	4	4
512001	REINFORCEMENT BARS	SQ. C	8880	8880
513013	FURNISHING STEEL PILES HP0X36	LIN. FT.	61	661
513027	DRIVING STEEL PILES	LIN. FT.	61	661
513033	TEST PILE STEEL HP0X36	EACH	1	1
408015	P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT	SOYD	50	50
514001	NAME PLATES	EACH	1	1
601001	STONE RIPRAP	SQ. YD.	730	730
612471	TYPE B INLET BOX STANDARD 2324	EACH	0.5	0.5
642010	SEEDING, CLASS II (SPECIAL)	ACRE	0.5	0.5
648009	TRAFFIC CONTROL AND PROTECTION, STANDARD 2309 (SPECIAL)	EACH	1	1
646004	ENGINEER'S FIELD OFFICE, TYPE A	CAL. MO.	6	6
607050	PIPE DRUMS CORRUGATED STEEL OR ALUMINUM ALLOY 12"	LIN. FT.	64	64
XZ1232	CONCRETE THRUST BLOCK	EACH	4	4

PROJECT NO.	SHEET NO.	TOTAL SHEETS	DATE
B28	2BR-1	CUMBERLAND	13 3

DATE: 10-86
 DRAWN BY: LKW
 CHECKED BY: [blank]
 PROJECT NO.: 2878



TYPE D INLET BOX STANDARD 2324

STATION	EACH
LT. 452+53	1
RT. 452+53	1
LT. 453+83	1
RT. 453+83	1
TOTAL	4

P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT

STATION	TO	STATION	sq. YDS.
LT. 452+53	-	452+65	12.5
RT. 452+53	-	452+65	12.5
LT. 453+71	-	453+85	12.5
RT. 453+71	-	453+85	12.5
TOTAL			50 sq. yds.

CONCRETE THRUST BLOCKS

STATION	EACH
LT. 452+53	1
RT. 452+53	1
LT. 453+83	1
RT. 453+83	1
TOTAL	4

PIPE DRAINS CORRUGATED STEEL OR ALUMINUM ALLOY, 12"

STATION	LINE FT.
LT. 452+53	16
RT. 452+53	16
LT. 453+83	16
RT. 453+83	16
TOTAL	64

END SECTION 12"

STATION	EACH
LT. 452+53	1
RT. 452+53	1
LT. 453+83	1
RT. 453+83	1
TOTAL	4

BM: CHISELED "0" SOUTHEAST WINGWALL OF BRIDGE STA. 453+18 ELEV. = 568.29

BM: CHISELED "0" EAST HEADWALL BOX CULVERT 17' LT. STA. 467+89 ELEV. = 570.06

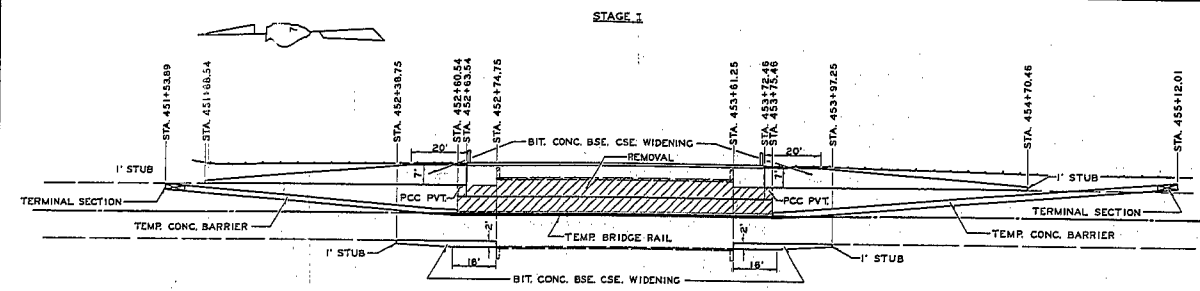
PROFILE
 DATE: 10-86
 DRAWN BY: LKW
 CHECKED BY: [blank]

NOTE: ORDINARY HIGHWATER ELEVATION = 552.6
 FILL BELOW OHW = 189 CU. YD.

PLAN AND PROFILE



PROJECT NO.	828	SECTION	2BR-1	COUNTY	CUMBERLAND	SHEET	13	TOTAL	4
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STAGE I

- 1- CONSTRUCT BITUMINOUS CONCRETE SHOULDER DETOUR ON SOUTHBOUND SHOULDER.
- 2- PLACE TRAFFIC SIGNALS, TEMPORARY BRIDGE RAIL, TEMPORARY CONCRETE BARRIER, ETC. ACCORDING TO TRAFFIC CONTROL STANDARD 2309 (SPECIAL).
- 3- REMOVE AND RECONSTRUCT BRIDGE FOR STAGE II.
- 4- CONSTRUCT BITUMINOUS CONCRETE SHOULDER DETOUR ON NORTHBOUND SHOULDER AND PCC PAVEMENT FOR NORTHBOUND LANE.
- 5- CONSTRUCT GUARD RAIL ON NORTHBOUND SHOULDER.

CONSTRUCT TEMPORARY CONCRETE BARRIER

STA. 451+80.89	TO	STA. 452+80.54	100 LIN. FT.
STA. 453+75.46	TO	STA. 455+05.01	130 LIN. FT.
TOTAL			230 LIN. FT.

CONSTRUCT BITUMINOUS CONCRETE BASE COURSE WIDENING 10"

LT. STA. 451+88.54	TO	STA. 452+83.54	49 SQ. YD.
RT. STA. 452+38.75	TO	STA. 452+74.75	7 SQ. YD.
RT. STA. 453+81.25	TO	STA. 453+97.25	7 SQ. YD.
LT. STA. 453+72.46	TO	STA. 454+70.46	49 SQ. YD.
TOTAL			112 SQ. YD.

CONSTRUCT STEEL PLATE BEAM GUARD RAIL, TYPE A

LT. STA. 451+89.29	TO	STA. 452+51.79	62.5 LIN. FT.
LT. STA. 453+84.21	TO	STA. 455+34.21	150.0 LIN. FT.
TOTAL			212.5 LIN. FT.

CONSTRUCT TEMPORARY CONCRETE BARRIER, TERMINAL SECTION

STA. 451+83.89	1 EACH
STA. 455+12.01	1 EACH
TOTAL	2 EACH

CONSTRUCT PCC BASE COURSE 10"

STA. 452+80.54	TO	STA. 452+83.54	1.5 SQ. YD.
STA. 453+72.46	TO	STA. 453+75.46	1.5 SQ. YD.
TOTAL			3.0 SQ. YD.

CONSTRUCT TRAFFIC BARRIER, TERMINAL, TYPE 1A

LT. STA. 451+84.29	TO	STA. 451+86.29	1 EACH
LT. STA. 455+34.21	TO	STA. 455+59.21	1 EACH
TOTAL			2 EACH

CONSTRUCT TRAFFIC BARRIER, TERMINAL, TYPE 1I

STA. 452+80.54	1 EACH
STA. 453+75.46	1 EACH
TOTAL	2 EACH

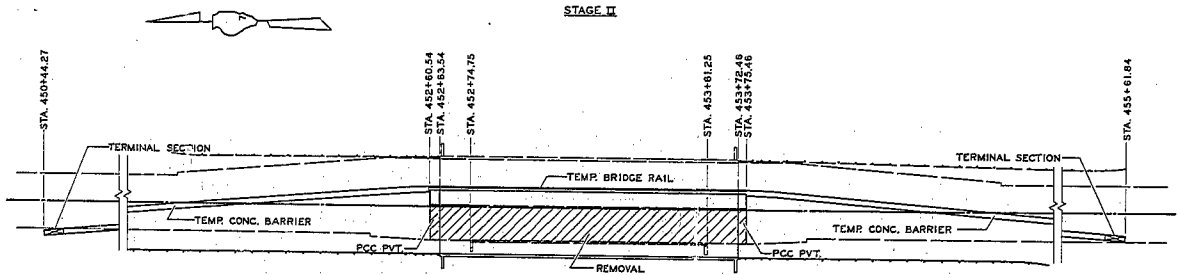
EARTHWORK QUANTITIES

EARTH EXCAVATION	211 CU. YD.
BORROW EXCAVATION	47 CU. YD.
EMBANKMENT	180 CU. YD.

CONSTRUCT TRAFFIC BARRIER, TERMINAL, TYPE 5A

LT. STA. 452+51.79	TO	STA. 452+65.04	1 EACH
LT. STA. 453+70.98	TO	STA. 453+84.21	1 EACH
TOTAL			2 EACH

STAGE II



STAGE II

- 1- RELOCATE TEMPORARY BRIDGE RAIL TEMPORARY CONCRETE BARRIER ETC. ACCORDING TO TRAFFIC CONTROL STANDARD 2309 (SPECIAL).
- 2- REMOVE AND RECONSTRUCT BRIDGE FOR STAGE III.
- 3- CONSTRUCT SOUTHBOUND SHOULDER AND PAVEMENT FOR SOUTHBOUND LANE.
- 4- CONSTRUCT GUARD RAIL ON SOUTHBOUND SHOULDER.

CONSTRUCT TEMPORARY CONCRETE BARRIER

STA. 450+44.27	TO	STA. 452+80.54	110 LIN. FT.
STA. 453+75.46	TO	STA. 455+61.84	50 LIN. FT.
TOTAL			160 LIN. FT.

CONSTRUCT PCC BASE COURSE 10"

STA. 452+80.54	TO	STA. 452+83.54	6.0 SQ. YD.
STA. 453+72.46	TO	STA. 453+75.46	6.0 SQ. YD.
TOTAL			12.0 SQ. YD.

CONSTRUCT STEEL PLATE BEAM GUARD RAIL, TYPE A

RT. STA. 451+01.79	TO	STA. 452+51.79	150.0 LIN. FT.
RT. STA. 453+84.21	TO	STA. 454+59.21	75.0 LIN. FT.
TOTAL			225.0 LIN. FT.

RELOCATE TEMPORARY CONCRETE BARRIER

STA. 450+44.27	TO	STA. 452+80.54	107 LIN. FT.
STA. 453+75.46	TO	STA. 455+61.84	137 LIN. FT.
TOTAL			244 LIN. FT.

EARTHWORK QUANTITIES

EARTH EXCAVATION	211 CU. YD.
BORROW EXCAVATION	41 CU. YD.
EMBANKMENT	178 CU. YD.

CONSTRUCT TRAFFIC BARRIER, TERMINAL, TYPE 1A

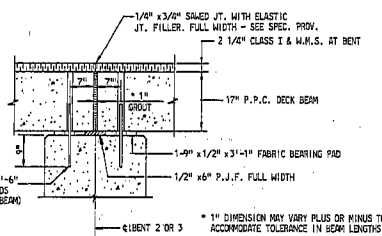
RT. STA. 450+76.79	TO	STA. 451+01.79	1 EACH
RT. STA. 454+59.21	TO	STA. 454+84.21	1 EACH
TOTAL			2 EACH

CONSTRUCT TRAFFIC BARRIER, TERMINAL, TYPE 5A

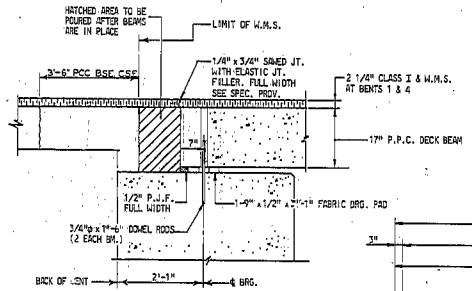
RT. STA. 452+51.79	TO	STA. 452+65.04	1 EACH
RT. STA. 453+70.98	TO	STA. 453+84.21	1 EACH
TOTAL			2 EACH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

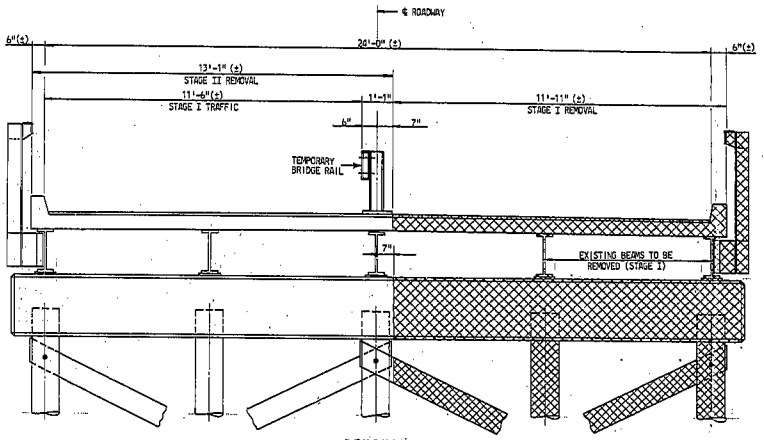
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1.3.1	12BR	CUMBERLAND	13	8	8 SHEETS
F.A. 828					
FED. RD. - IT. NO. 2	ILLINOIS	FED. RD. PROJECT			



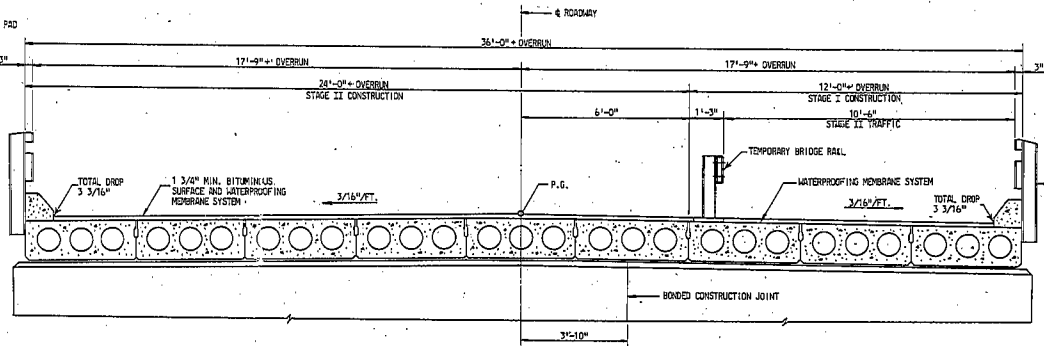
SECTION THRU BENTS 2 & 3



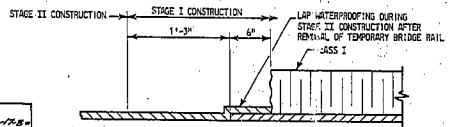
SECTION THRU BENTS 1 & 4



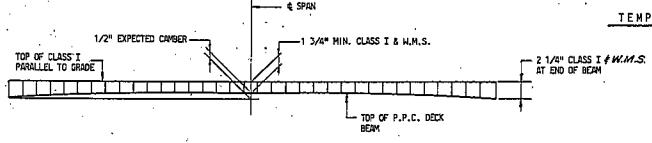
REMOVAL
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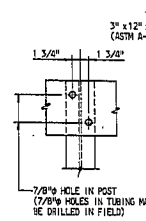
REPLACEMENT
(LOOKING NORTH)



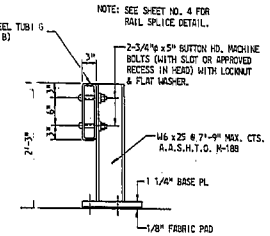
WATERPROOFING TREATMENT



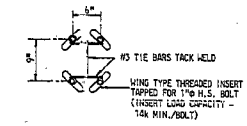
BITUMINOUS SURFACE PROFILE
(TYPICAL)



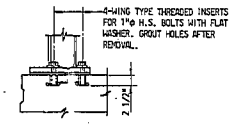
EXISTING DECK
ANCHORAGE DETAIL



BASE PLATE



INSERT DETAIL



P.P.C. DECK BEAM
ANCHORAGE DETAILS

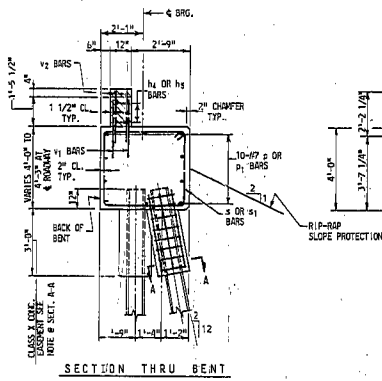
TEMPORARY BRIDGE RAIL DETAILS
(SEE SPECIAL PROVISIONS)

DESIGNED BY: CONNICH
DRAWN: O.A. BODOLIK
CHECKED: M.E. ZAGLANS
Thomas D. Connich
Greiner Engineering Sciences, Inc.
CONSULTING ENGINEERS

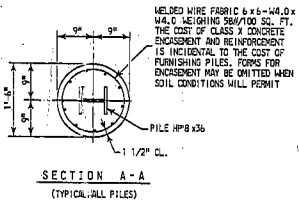
STAGE CONSTRUCTION
F.A. RTE. 828 SEC. 12BR-1
CUMBERLAND COUNTY
STATION 453+16

PILE DATA

TYPE: HP8 x 36
CAPACITY: DRIVE TO REGULAR
ESTIMATED LENGTH: 24 FT.
NUMBER REQ.: 7



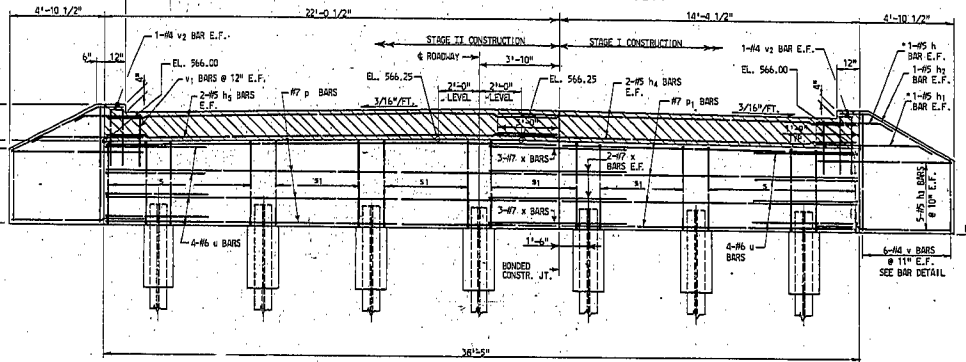
SECTION THRU BEAM



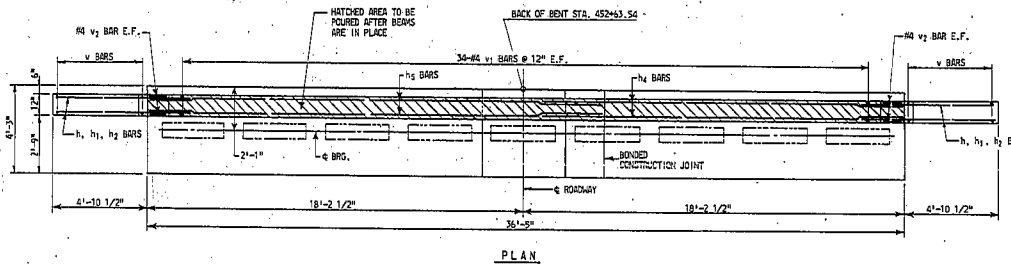
SECTION A-A
(TYPICAL ALL PILES)

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

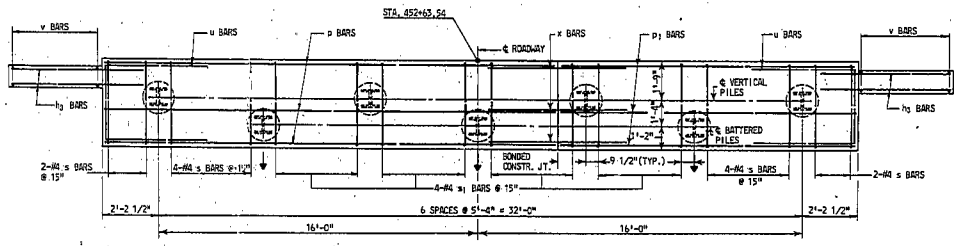
ROUTE NO. 1	SECTION	COUNTY	SHEET	DATE	SHEET NO. 5
1-4-B-82	2BR-1	CUMBERLAND	13	9	8 SHEETS
REV. DRAW 2-1, NO. 7 ILLINOIS FEB. 616 PROJECT					



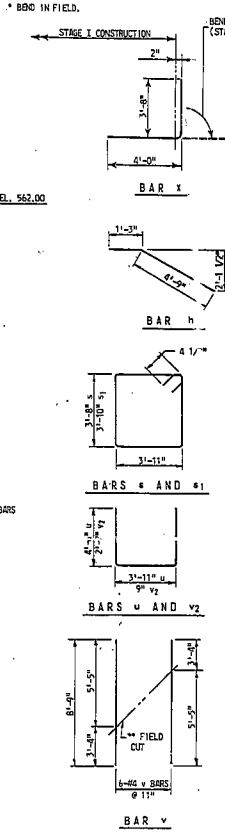
ELEVATION
(LOOKING NORTH)



PLAN



PLAN - PILE CAP



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE	
h	4	#5	3'-6"	□	
h1	4	#5	5'-11"	□	
h2	4	#5	6'-0"	□	
h3	20	#5	6'-5"	□	
h4	8	#5	17'-2"	□	
h5	4	#5	21'-10"	□	
p	10	#7	21'-10"	□	
p1	10	#7	18'-2"	□	
x	10	#7	7'-8"	□	
s	12	#6	15'-11"	□	
s1	16	#6	16'-3"	□	
u	8	#6	12'-11"	□	
v	12	#6	8'-9"	□	
v1	68	#6	2'-4"	□	
v2	4	#4	5'-11"	□	
REINFORCEMENT BARS				LSB.	1910
CLASS X CONCRETE				CU. YD.	27.8
STEEL PILES (HP8 x 36)				LIN. FT.	168

FIELD CUT AS SHOWN AND USE REMAINING BARS IN OPPOSITE FACE.

DESIGNED BY: Y. DOWNSH
DRAWN BY: T. GISSNER
CHECKED BY: H.E. ZAGLARA
Thomas J. Gierke 10-17-82
Greiner Engineering Sciences, Inc.
CONSULTING ENGINEERS

LEGEND:
□ INDICATES PILE BATTERED 2:12
↓ IN DIRECTION OF BROW
□ INDICATES PLUMB PILE

BENT 1
RTE. 826 SEC. 12BR-1
CUMBERLAND COUNTY
STATION 453+18

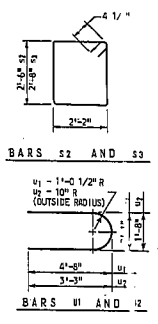
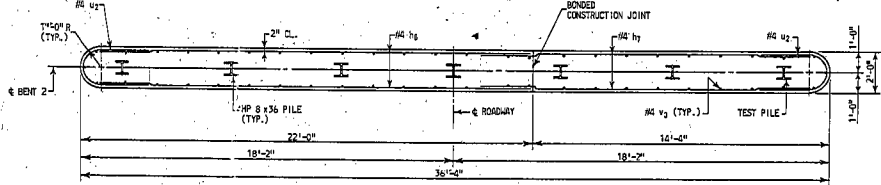
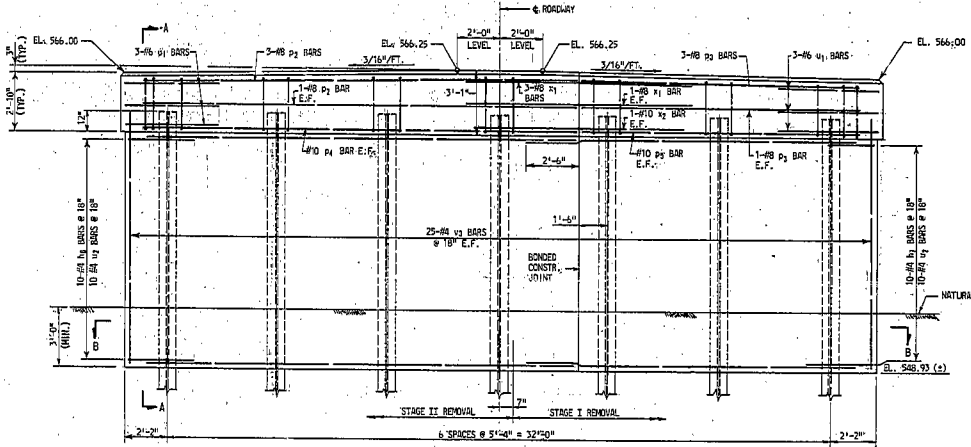
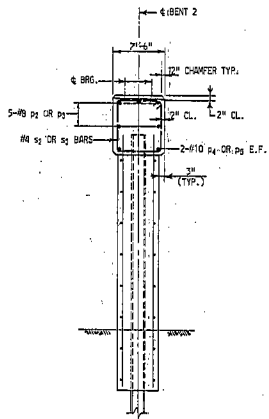
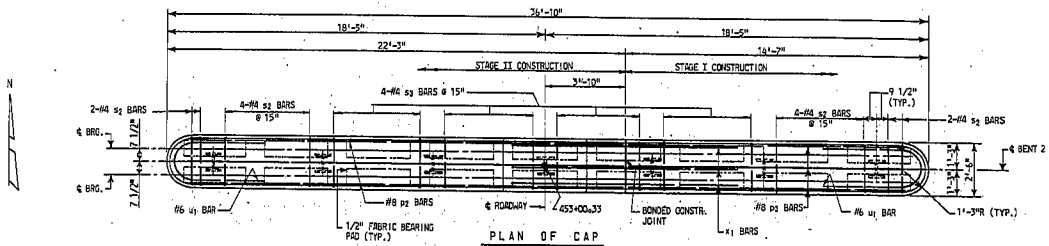
Spring Pl. Cr

PILE DATA:

TYPE: HP 8 x 36
 CAPACITY: DRIVE TO REFUSAL
 ESTIMATED LENGTH: 22'-FT.
 NUMBER REQ.: 7 (Includes 1 Test Pile)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STATION	SHEET NO.	SHEET NO. OF SHEETS
1.A.82	2BR-1	CUMBERLAND	13	10	8 SHEETS
<small>FOR ROAD DIST. NO. 7 ILLINOIS FOR THE PROJECT</small>					



BILL OF MATERIAL

BAR NO.	SIZE	LENGTH	SHAPE
s1	5 #8	20'-11"	—
s2	5 #8	13'-3"	—
s3	2 #10	20'-11"	—
s4	2 #10	13'-3"	—
u1	20 #4	20'-11"	—
u2	20 #4	15'-10"	—
x1	5 #8	10'-4"	—
x2	2 #10	11'-10"	—
REINFORCEMENT BARS LBS. 2370			
CLASS I CONCRETE CU. YD. 87.7			
STEEL PILES (HP 8 x 36) LINS. FT. 150			
TEST PILES (HP 8 x 36) EACH. 1			

NOTES:
 1. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFE LATERAL SUPPORT OF THE BENT DURING ALL STAGES OF CONSTRUCTION. DURING STAGE I CONSTRUCTION TEMPORARY SUPPORTS MAY BE REMOVED FROM BENT ONLY WHEN THE WHOLE SUPERSTRUCTURE STAGE I HAS BEEN COMPLETED.

DESIGNED BY DONICH
 DRAWN BY T. GISSNER
 CHECKED BY E. ZAGLAWA
 Greiner Engineering Sciences, Inc.
 CONSULTING ENGINEERS

BENT 2
 F.A. RTE. 828 SEC. 12BR-1
 CUMBERLAND COUNTY
 STATION 453+18

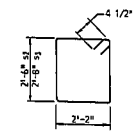
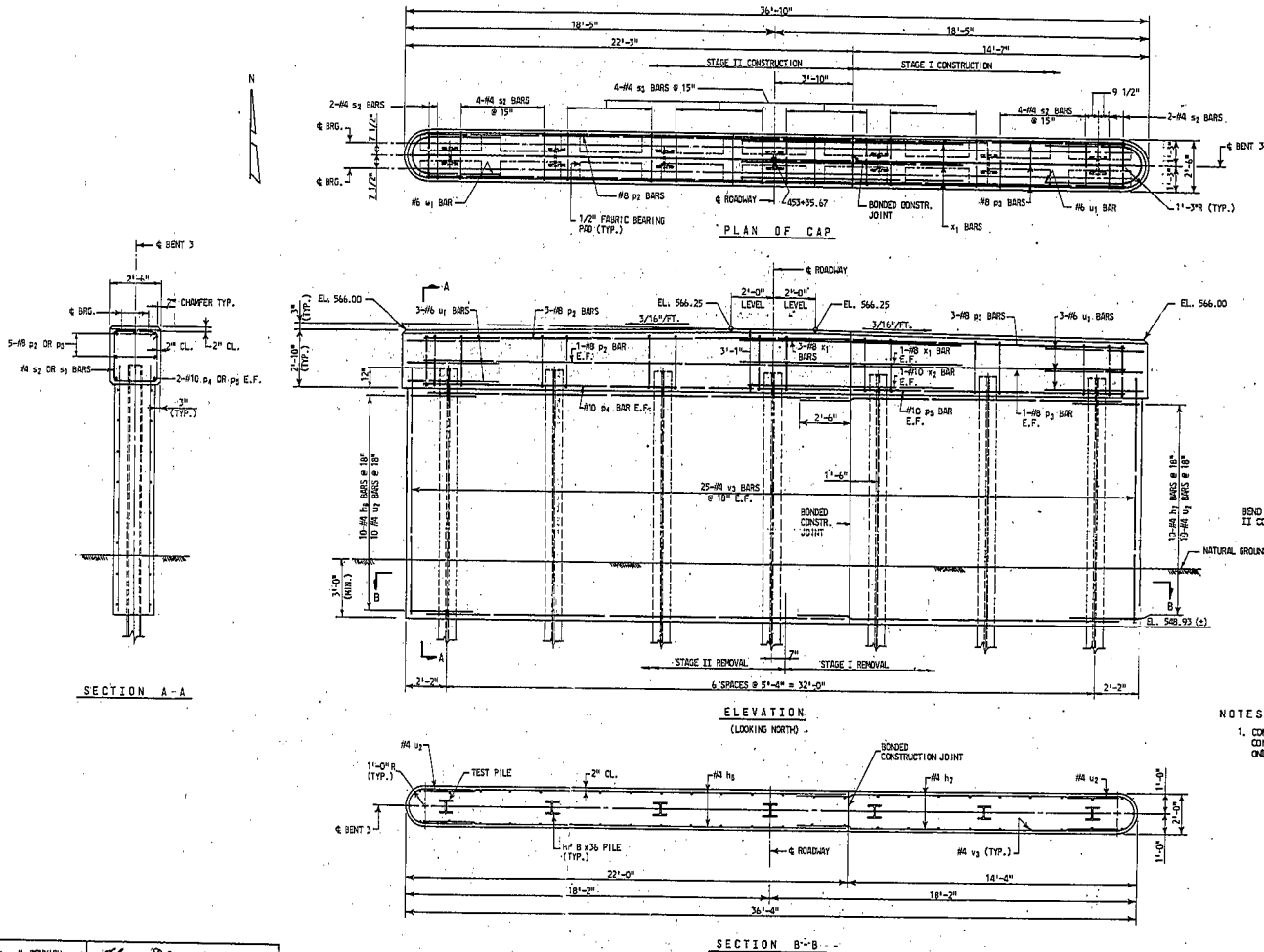
Spring Pt. C

PILE DATA

TYPE: HP 8 x 36
 CAPACITY: DRIVE TO REFUSAL
 ESTIMATED LENGTH: 25 FT.
 NUMBER REQ.: 7

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROUTE NO. & SECTION	BRIDGE	TOTAL SHEETS	SHEET NO.	SHEET NO. 7
F.A. 828	2BR-CUMBERLAND	13	11	8 SHEETS
FILE, ROAD & CO. 1 ILLINOIS FOR. FILE PROJECT				



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
Dy	5	#8	20'-11 1/4"	U
Dz	5	#8	13'-3 1/4"	U
D4	2	#10	20'-1 1/4"	U
D5	2	#10	13'-3 1/4"	U
H6	20	#4	20'-11 1/4"	U
H7	20	#4	15'-10 1/4"	U
S2	12	#6	10'-1 1/4"	U
S3	16	#4	10'-5 1/4"	U
V3	50	#4	15'-0 1/4"	U
U1	6	#6	10'-6 1/4"	U
U2	20	#4	7'-5 1/4"	U
X1	5	#8	10'-4 1/4"	L
X2	2	#10	11'-10 1/4"	L
REINFORCEMENT BARS				LBS. 2370
CLASS 2 CONCRETE				CU. YD. 47.7
STEEL PILES (HP 8 x 36)				LN. FT. 175

NOTES:
 1. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFE LATERAL SUPPORT OF THE BENT DURING ALL STAGES OF CONSTRUCTION. DURING STAGE I CONSTRUCTION TEMPORARY SUPPORTS MAY BE REMOVED FROM BENT ONLY WHEN THE WHOLE SUPERSTRUCTURE STAGE I HAS BEEN COMPLETED.

DESIGNED: Y. DONICH
 DRAWN: T. GISSNER
 CHECKED: N.E. ZAGLAWA
 Thomas J. Gissner
 Greiner Engineering Sciences, Inc.
 CONSULTING ENGINEERS

BENT 3
 F.A. RTE. 828 SEC. 12BR-1
 CUMBERLAND COUNTY
 STATION 453+18

Spring Pl. C-

