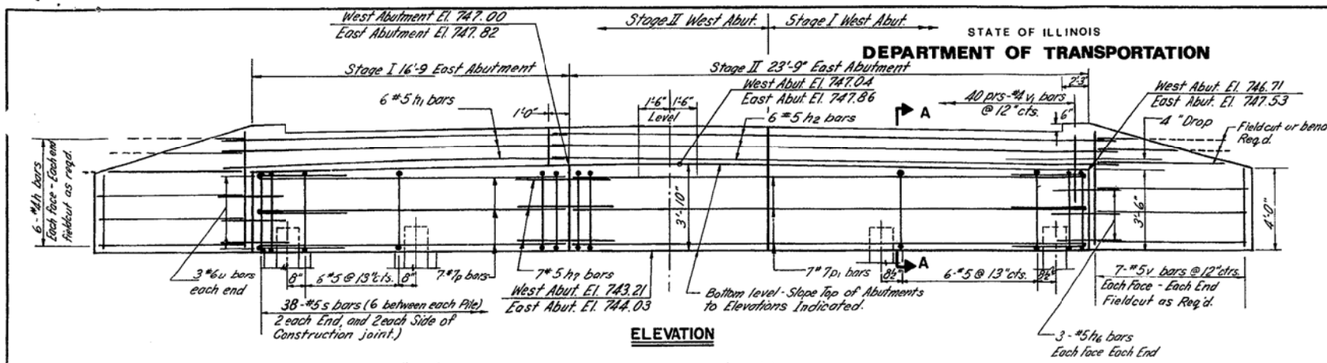
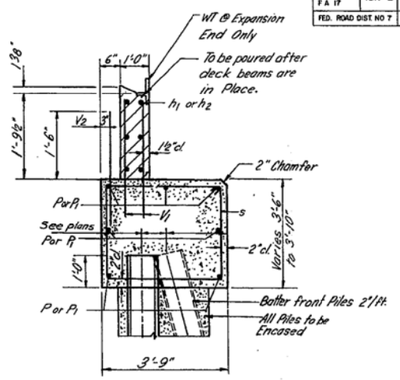
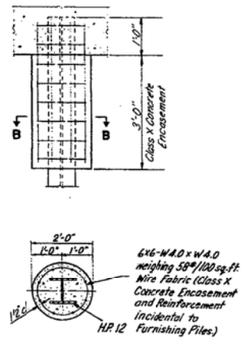
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

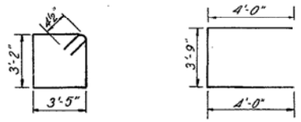
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6
S.B.I. 27 F.A. 17	4BR-2	CARROLL	18	16	SHEETS 8
FED. ROAD DIST NO 7	ILLINOIS	FED AID PROJECT.			







HP PILE ENCASEMENT



TWO ABUTMENTS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
p	14	#7	16'-4"	——
p1	14	#7	23'-4"	——
s	76	#5	13'-11"	⊓
u	12	#6	11'-9"	⊏
h	48	#5	7'-2"	——
h1	12	#5	17'-9"	——
h2	12	#5	25'-9"	——
v	56	#5	5'-3"	1
V1	160	#4	2'-4"	1
V2	72	#5	3'-3"	1
h6	24	#5	3'-0"	——
h7	14	#5	3'-4"	——
Class X Concrete			Cu. Yd	52.6
Reinforcement Bars			Lb.	4280
HP 12×53 Steel Piles			Lin. Ft.	532

PILE DATA

Type: HP 12x53
Capacity: Drive to Refusal
Est. Length (West): 31'-0"
Est. Length (East) 45'-0"
No. Req'd: 7 per Abutment

NOTES:

1. Space reinforcing in abutment to miss dowels for deck beam anchorage.
2. h7 bars shall meet the requirements of AASHTO M31 or M53 Grade 40 except that the elongation shall not be less than 20%.
3. h7 bars shall be lapped with p & h1 bars in Stage I construction, straightened & lapped with p1 & h2 bars in Stage II construction.

DESIGNED	R.A.R.
CHECKED	G.S.P.
DRAWN	P.V.
CHECKED	R.A.R. G.S.P.

REVISIONS	
DATE	DESCRIPTION

ABUTMENTS
F.A. 17 (S.B.I. ROUTE 27) SEC. 4BR-2
CARROLL COUNTY
STA. 104+40

SCALE: NONE
DATE: 4/30/82

SCHUMACHER AND SVOBODA, INC.
CONSULTING ENGINEERS
CHICAGO, ILLINOIS

FILE NAME =	USER NAME = SAW	DESIGNED - RAC	REVISED -
...\D264D83-SHT-ExBridge.dgn		DRAWN - LCR	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - DAZ	REVISED -
	PLOT DATE = 6/27/2013	DATE - 06-28-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ZROKA engineering
Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

SCALE: | SHEET OF SHEETS | STA. TO STA.

EXISTING BRIDGE PLANS – 1982
FOR INFORMATION ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	4BR-5 & 4BR-6	CARROLL	150	101
		CONTRACT NO. 64D83		
	ILLINOIS FED. AID PROJECT			