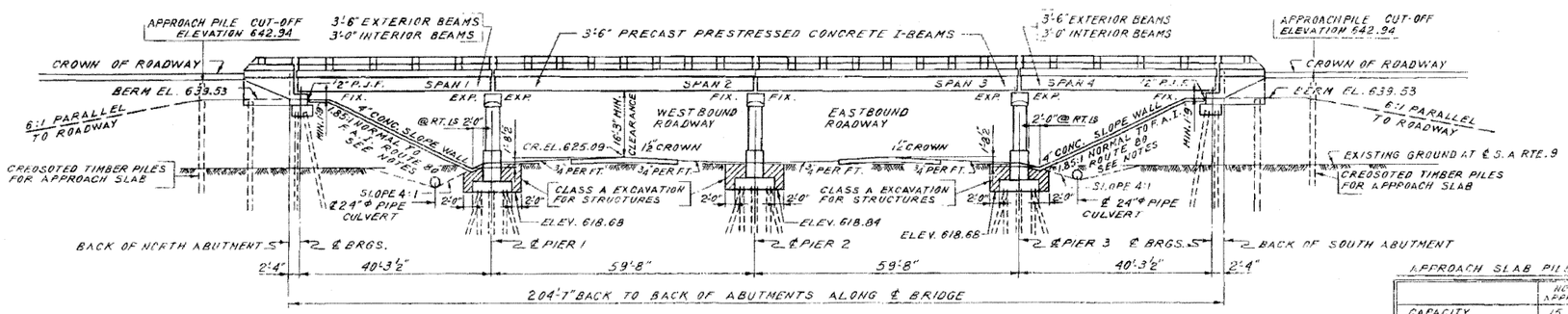
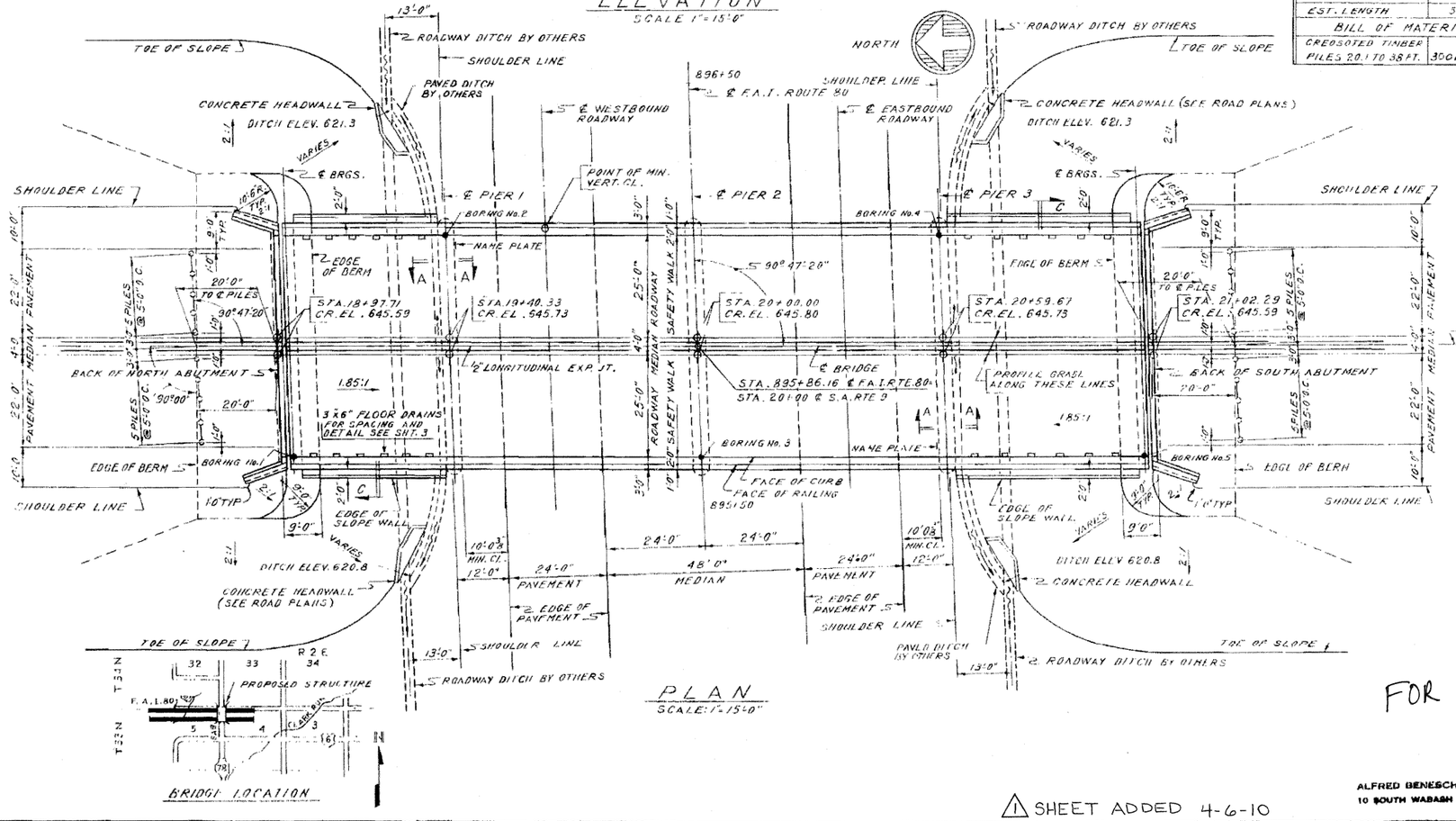
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	50-2HB 5	LA SALLE	492	492A
STA.	TO STA.			
S. F. R. REG. NO. 6	ILLINOIS	PROJECT		

SHEET 1 OF 16

B. M. #19 ELEV. 624.86
NAIL IN POWER POLE -42' RT. OF STA. 18+00 S.A. 9.
STATE B.M. ELEV. 625.12
CONCRETE MONUMENT; 4' LT. OF STA. 910+86 F.A.I. ROUTE 80.



ELEVATION
SCALE 1"=15'-0"



PLAN
SCALE: 1"=15'-0"

BRIDGE LOCATION

INDEX OF BRIDGE SHEETS - STATION 895+86.16

SHEET NO	TITLE
1.	GENERAL PLAN AND ELEVATION.
2.	BORINGS, NAME PLATES. GENERAL NOTES, AND QUANTITIES.
3.	DECK REINFORCEMENT PLAN
4.	DECK CROSS SECTIONS AND DIAPHRAGM DETAILS.
5.	DETAILS OF 42 IN. PRECAST PRESTRESSED CONCRETE I-BEAMS.
6.	DETAILS OF 36 IN. PRECAST PRESTRESSED CONCRETE I-BEAMS.
7.	FRAMING PLAN AND BEARING DETAILS.
8.	EXPANSION DEVICES.
9.	HANDRAIL DETAILS.
10.	NORTH AND SOUTH ABUTMENTS.
11.	ABUTMENT DETAILS.
12.	PIERS 1 AND 3.
13.	PIER 2.
14.	REINFORCEMENT BAR LISTS.
15.	ABUTMENT PILES.
16.	TOP OF SLAB ELEVATIONS.

APPROACH SLAB PILE SCHEDULE

	NORTH APPROACH	SOUTH APPROACH
CAPACITY	15 TONS	15 TONS
NO. REQUIRED	10	10
EST. LENGTH	30 FT.	30 FT.
BILL OF MATERIAL		
CREOSOTED TIMBER PILES 20.1 TO 38 FT.	300 LIN FT	300 LIN. FT.

NOTES:

QUANTITIES OF EARTH EXCAVATION, CULVERTS, CONCRETE HEADWALLS AND EMBANKMENT ARE INCLUDED IN QUANTITIES ON ROAD PLANS.

6 TO 1 BACKSLOPE MAY BE OMITTED IF EMBANKMENT IS CONSTRUCTED FULL LENGTH.

FOR SECTIONS A-A, B-B AND C-C SEE SHEET 2.
FOR LOCATION OF NAME PLATES ON PIERS SEE SHEET 12.

SLOPE WALLS ARE REINFORCED WITH WELDED WIRE FABRIC, 6"x6" MESH No. 4 WIRE, WEIGHING APPROX. 58# PER 100 SQ. FT.

HIGHWAY CLASSIFICATION
D.H.V. (1979) TYPE - M.P.H.
315 P. 60

DESIGN LOAD
L.L. = H 20 - S16 - 44
FUTURE D.L. = 12" BIT. WEARING SURFACE

DESIGN STRESSES
CONCRETE (CAST IN PLACE)
f'c = 3,500 LBS. PER SQ. IN.
fc = 1,400 LBS. PER SQ. IN.
fc = (WITH EARTH PRESSURE) 1,000 LBS. PER SQ. IN.
V = (PIER FOOTING) 75 LBS. PER SQ. IN.
n = 10

PRESTRESSED CONCRETE
f'c = 5,000 LBS. PER SQ. IN.
f'ci = 4,000 LBS. PER SQ. IN.
fc = 2,000 LBS. PER SQ. IN.

REINFORCING STEEL
fs = 20,000 LBS. PER SQ. IN.

PRETENSIONING STEEL
fpu = 248,000 LBS PER SQ. IN.
fsi = 173,600 LBS. PER SQ. IN.

PILE LOADS
ABUTMENT AND WINGWALLS - 30 TONS (CONCRETE PILES)
PIERS - 20 TONS (TIMBER PILES)
APPROACH SLAB = 15 TONS (TIMBER PILES)

FOR INFORMATION ONLY

⚠ SHEET ADDED 4-6-10

ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS
10 SOUTH WABASH AVENUE 106 CHICAGO, ILLINOIS

GENERAL PLAN AND ELEVATION
GRADE SEPARATION
S.A. ROUTE 9 (UTICA ROAD)
OVER F.A.I. ROUTE 80
I.A. PROJECT
F.A.I. ROUTE 80 SECTION 50-2HB-5
LA SALLE COUNTY
STATION 895+86.16