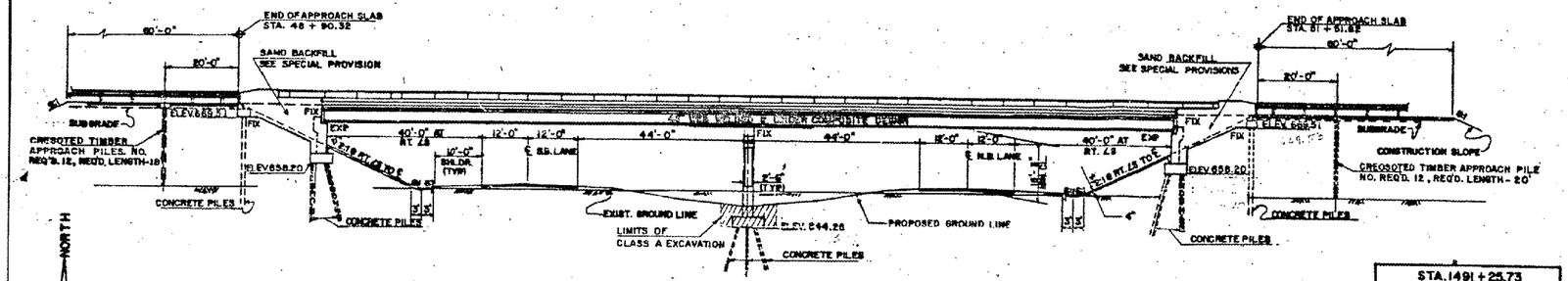
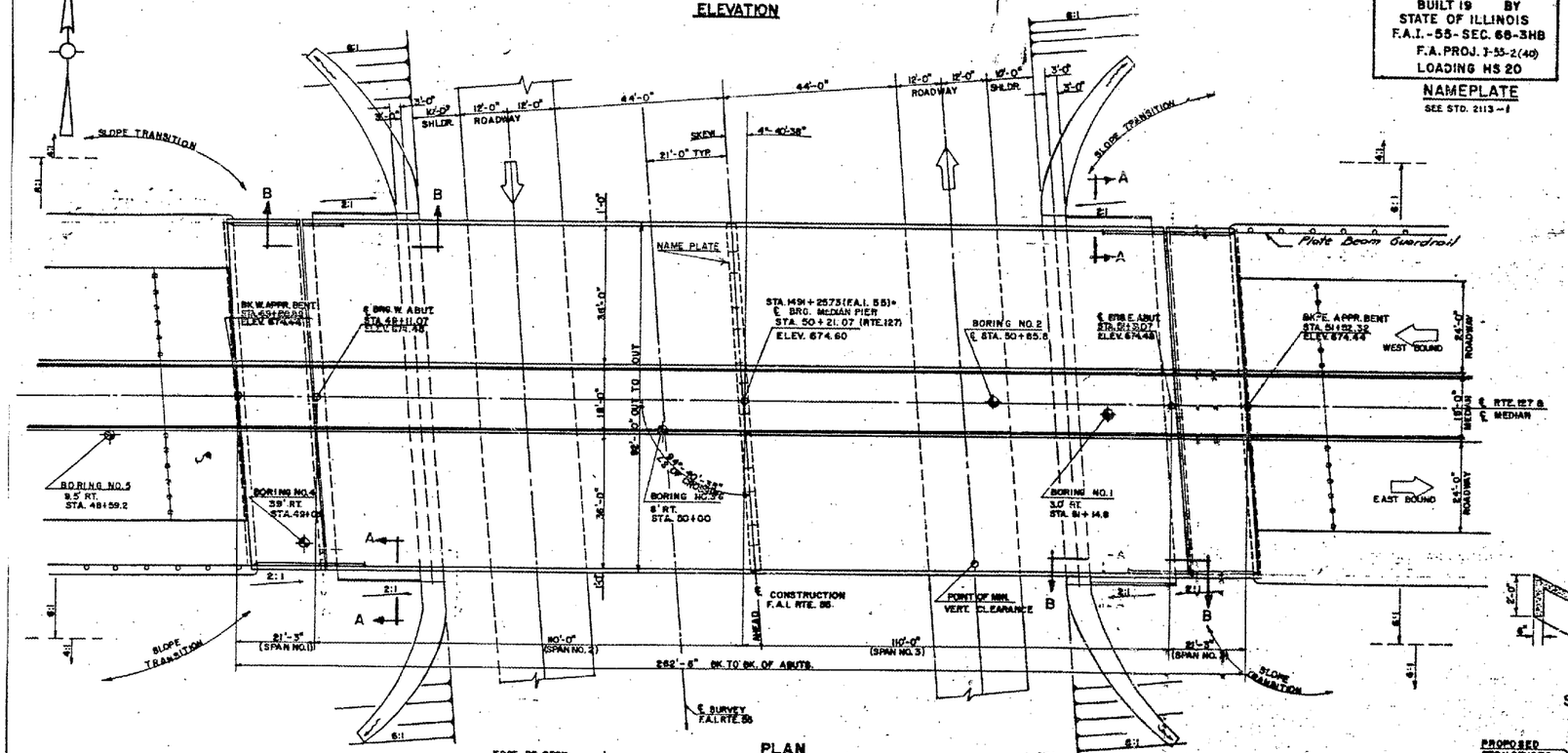
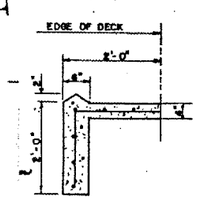
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION



PLAN



SECTION A-A

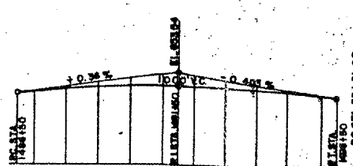
DESIGN STRESSES
FIELD UNITS

fc = 1200	p.s.i.	DECK
fc = 1400	p.s.i.	SUB, CURB, PARAPET & STR. SLAB.
fs = 20,000	p.s.i.	STRUCT. & REINF.
vc = 75	p.s.i.	FOOTINGS
n = 10		

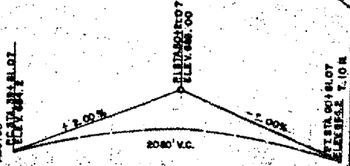
LOADING H S 20-44

NOTE: ALLOW 25 ℔/□ ' FOR FUTURE WEARING SURFACE

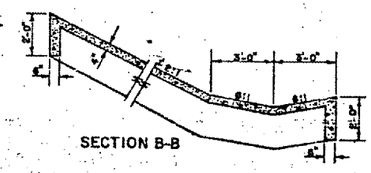
COMP'T. $\frac{1}{2}$ A = $\frac{1}{1200}$



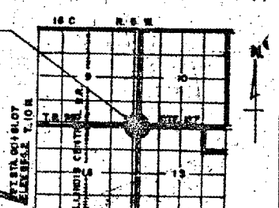
PROFILE F.A.I-55



PROFILE ILL. RTE. 127 (PROPOSED GRADE)



SECTION B-B



LOCATION SKETCH

STA. 1491 + 25.73
BUILT 19 BY
STATE OF ILLINOIS
F.A.I.-55-SEC. 68-3HB
F.A. PROJ. I-55-2(40)
LOADING HS 20

NAMEPLATE
SEE STD. 2113-I

GENERAL NOTES

ALL REINFORCEMENT BARS SHALL BE LAPPED 24 DIAMETERS UNLESS OTHERWISE SHOWN.
FIELD CONNECTIONS SHALL BE BOLTED, USING HIGH STRENGTH BOLTS. BOLTS $\frac{7}{8}$", OPEN HOLES $\frac{15}{16}$", UNLESS OTHERWISE NOTED.

FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO THE BOTTOM FLANGE OF BEAMS OR GIRDERS NOR TO THE TOP FLANGE FOR A DISTANCE EQUAL TO ONE-FOURTH THE SPAN LENGTH EACH WAY FROM THE PIER SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.

ANCHOR BOLTS SHALL BE SET BEFORE CONCRETE DIAPHRAGMS OVER SUPPORTS.

SLOPE WALL SHALL BE REINFORCED WITH WELDED WIRE FABRIC 6" x 6" MESH, WEIGHING 29 LBS PER 100 SQUARE FEET.

CLASS A EXCAVATION FOR STRUCTURES INCLUDES EXCAVATION FOR SLOPE WALL.

THE EMBANKMENT CONFIGURATION SHOWN SHALL BE THE MINIMUM EMBANKMENT THAT MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE ABUTMENTS.

THE CONCRETE RAIL SECTION ABOVE THE MANDATORY CONSTRUCTION JOINT AT THE TOP OF THE SLAB SHALL BE CONSTRUCTED OF CLASS X CONCRETE, EXCEPT THE AGGREGATES SHALL CONFORM TO THE REQUIREMENTS OF HANDRAIL CONCRETE.

THE CONTRACTOR SHALL DRIVE ONE CONCRETE TEST PILE IN A PERMANENT LOCATION AT THE WEST ABUTMENT AND ONE CONCRETE TEST PILE IN A PERMANENT LOCATION AT THE EAST APPROACH BENT AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES.

CONCRETE PILES AT ABUTMENTS SHALL BE DRIVEN IN HOLES PRECORED THROUGH THE EMBANKMENT IN ACCORDANCE WITH ARTICLE 513.09 (c) OF THE STANDARD SPECIFICATIONS.

HORIZONTAL CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH ARTICLE 504.13 (b) 1, 2, OR 3, OF THE STANDARD SPECIFICATIONS.

Calculated plan weight of Structural Steel = 7,97,610 lbs.

The Basic Lead Silico Chromate paint system shall be used for shop and field painting of structural steel.

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER.	SUB.	TOTAL
CLASS A EXCAVATION FOR STRUCTURE	CU. YDS.		170	170
CLASS X CONCRETE	CU. YDS.	783.2	448.6	1231.8
STRUCTURAL STEEL	LBS.			7
REINFORCEMENT BARS	LBS.	174,550	45,140	219,690
ALUMINUM RAILING	LIN. FT.	483		483
CONCRETE PILES	LIN. FT.		3936	3936
TEST PILES (CONCRETE)	EACH		2	2
SLOPE WALL (4")	SQ. YDS.		800	800
STUD SHEAR CONNECTORS	EACH	4704		4704
NAME PLATE	EACH		1	1
PROTECTIVE COAT	SQ. YDS.	2786		2786
BRIDGE SEAT SEALANT *	L.S.			1
CREOSOTED PILES (UP TO 20')	LIN. FT.		456	456
SAND BACKFILL	CU. YDS.		428	428

* AT ABUTMENTS ONLY

C-96-031-08
SN 068-0042
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
(NOT TO SCALE)