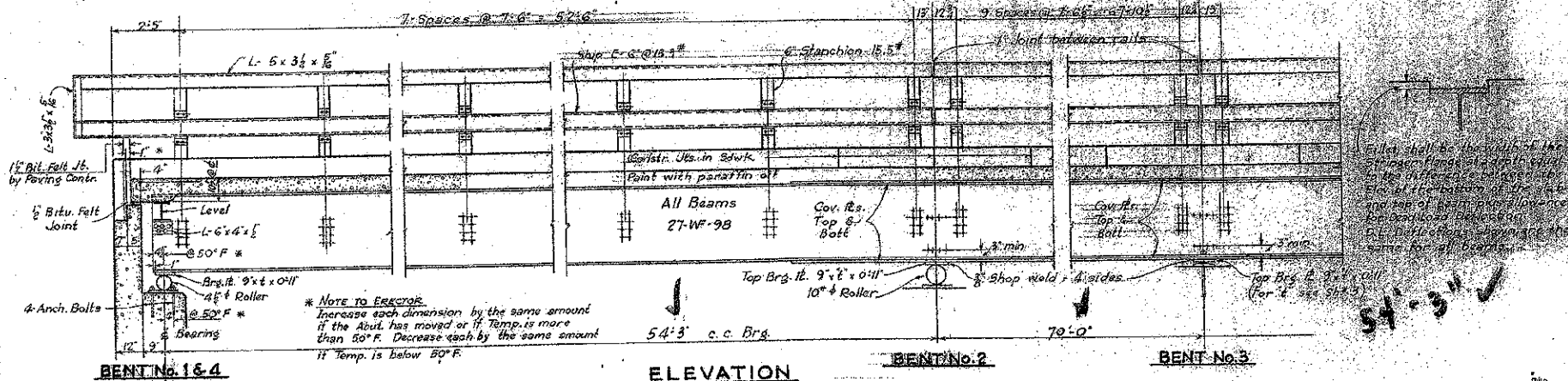


087-3014

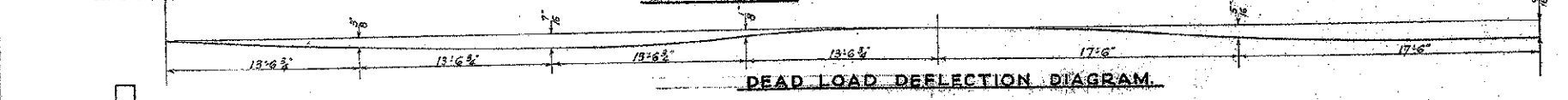
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
25B	Shelby	17	17

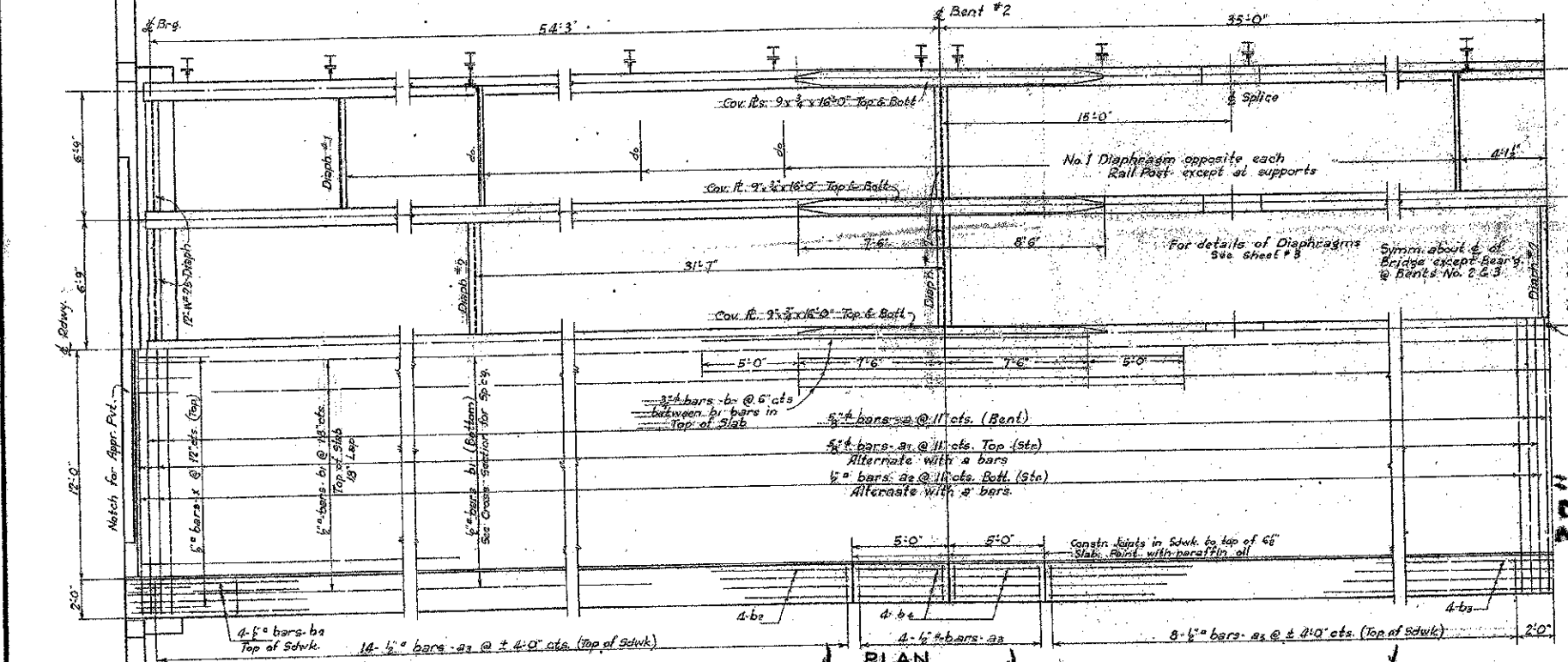
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656-00-00265-00-BR	SHELBY	29	16



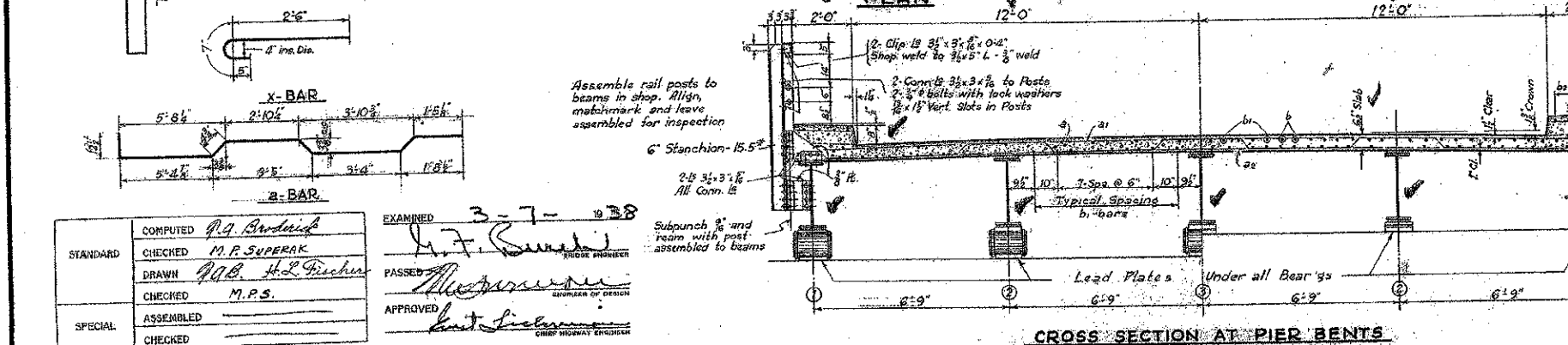
ELEVATION



DEAD LOAD DEFLECTION DIAGRAM



PLAN



CROSS SECTION AT PIER BENTS

GENERAL NOTES

Class X Concrete shall be used throughout.

The floor shall receive a smooth finish in accordance with the specifications.

The concrete floor shall be poured for the full width of the bridge within the limits of the construction joints, in one continuous operation.

Ribbed bars of an approved type may be used for field rivets, provided all holes are sub-punched $\frac{1}{16}$ " and reamed either after all has been assembled in the shop or after erection. These bolts shall be made of steel conforming to the following specifications: Carbon - 0.18% to 0.24%, Manganese - 0.75% to 1.00%. Ultimate strength - not less than 70,000 lbs. per sq. in.

Ribbed bolts shall be driven in place before turning up nut. Anchor bolts shall be set before riveting diaphragm connections at all bents.

Structural steel shall be painted with one shop coat of blue lead paint and two field coats of white lead paint. Steel in contact with concrete and contact surfaces of shop connected steel shall not be painted. Steel piles and struts shall be painted their full length with two shop coats of blue lead paint.

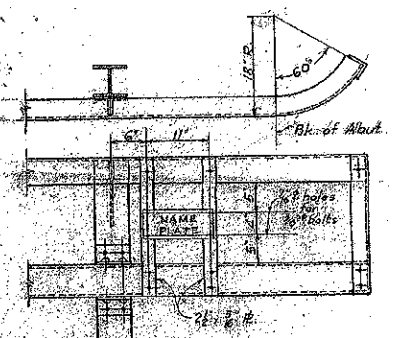
All paint to be furnished by the Department.

Rollers are included as structural steel, see Special Provisions for material and painting.

Welding shall comply with the specifications of the American Welding Society, for fusion welding of Highway and Railway Bridges. Inspection of structural steel by the Department before painting.

The steel piles shall be furnished off-ship finished elevations. Tops of piles at the cut-off shall be made as smooth as practicable before welding pile cap plate to top of pile.

Payment for driving steel piles will be made accordance with Art. 19 (6) of the Specifications for Piling, effective Feb-1-37.



NAME PLATE & RAIL BEND DETS.

SUPERSTRUCTURE BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH
a	197	3"	30'-6"
a1	197	"	87'-6"
a2	197	6"	27'-6"
a3	104	"	1'-0"
b	68	3"	20'-0"
b1	406	3"	27'-0"
b2	32	"	26'-0"
b3	16	"	30'-6"
b4	32	"	4'-9"
x	56	6"	3'-6"

Class X Concrete Cu. Yds 123.6
Reinforcement Bars Lbs. 29,460
Structural Steel Lbs 131,650
Name Plate Each One

* Include the weight of lead plates, rollers and bearing plates which are to be paid for at the unit price per pound of structural steel.

F.A.S. PROJECT 2A
S.A.RTE. 7 - SECTION-25B
SHELBY COUNTY
STA. 60+58

COMPUTED	R.A. BORDEN	EXAMINED	3-7-38
CHECKED	M.P. SUPERA	DRAWN	H.L. FISCHER
DRAWN	H.L. FISCHER	CHECKED	M.P.S.
CHECKED	M.P.S.	ASSEMBLED	
SPECIAL	CHECKED	APPROVED	