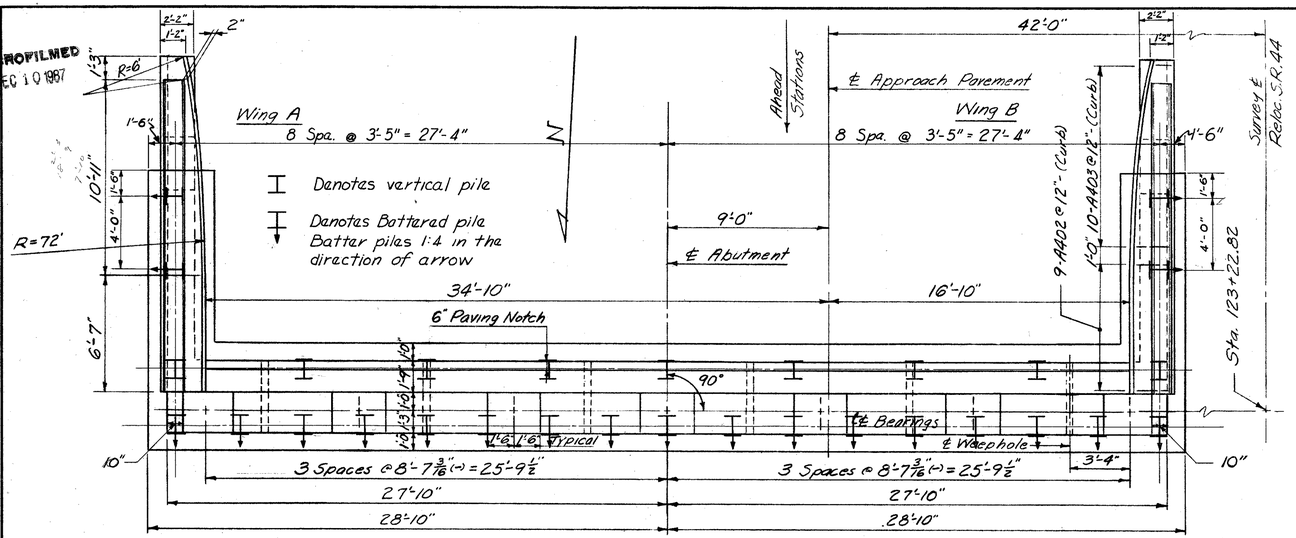
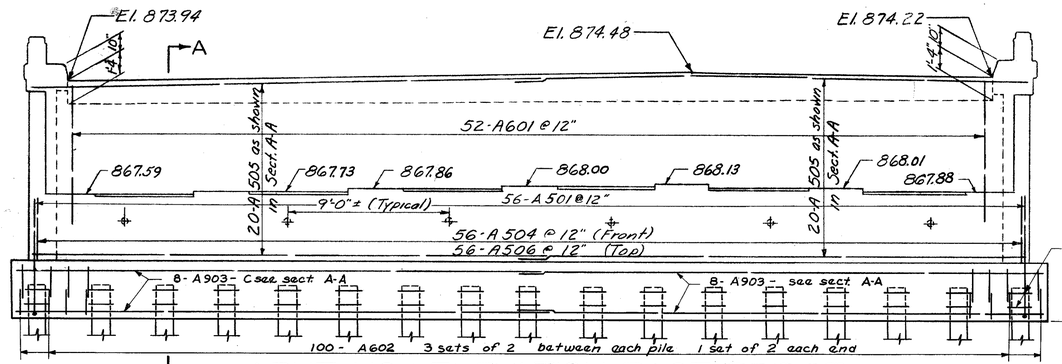
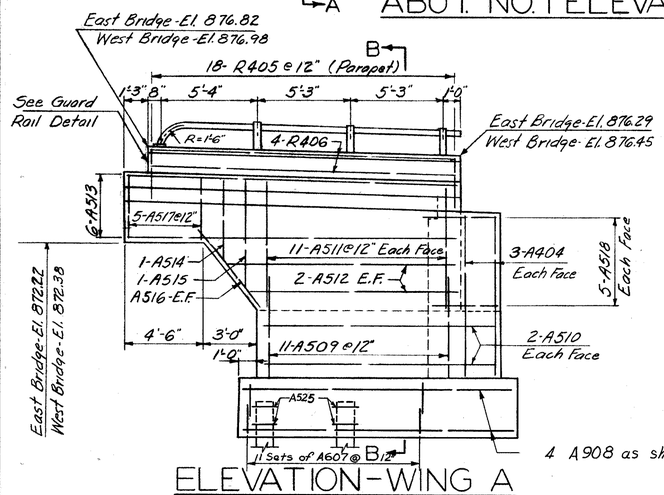
MICROFILMED
DEC 10 1987



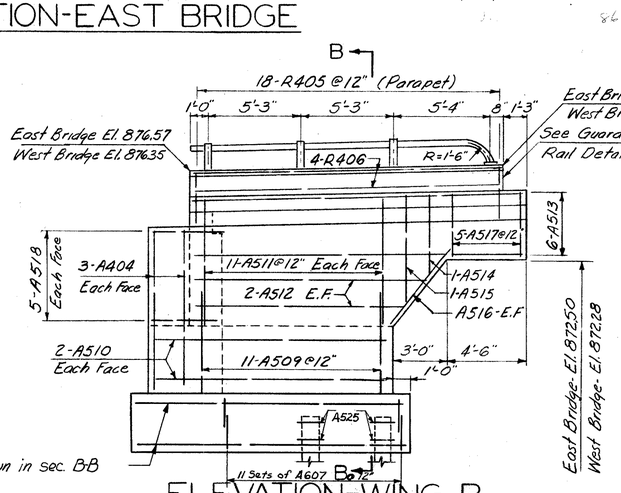
ABUT. NO 1 PLAN-EAST BRIDGE



ABUT. NO. 1 ELEVATION-EAST BRIDGE



ELEVATION-WING A

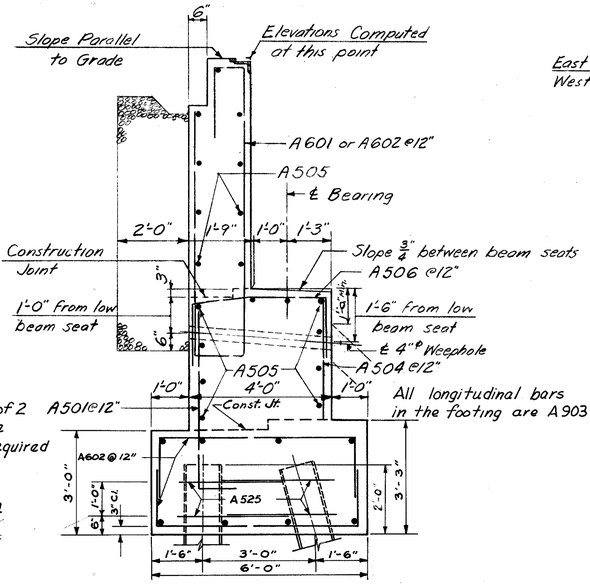


ELEVATION-WING B

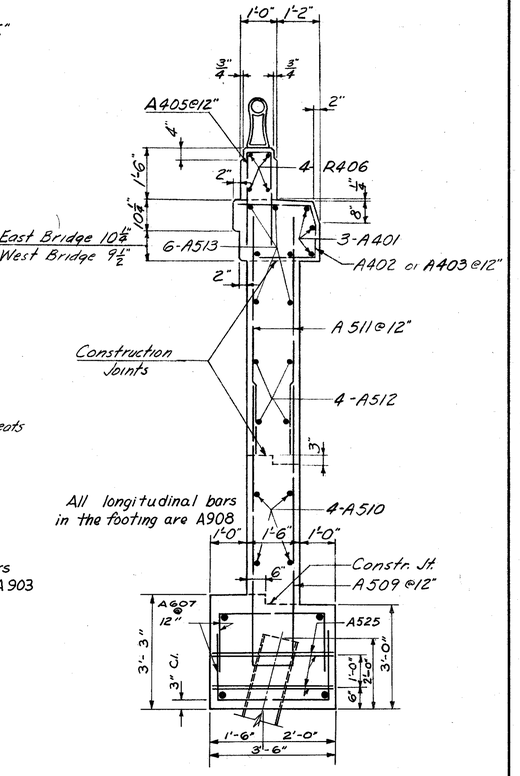
NOTES

- Porous backfill 2 feet thick full length of abutment shall extend up to the under side of the approach slab and outward to the wings. Excavation therefor, in excess of that required for the abutment, shall be considered as included in the bid price per cu yd. for porous backfill.
- Clearance of reinforcing steel from face of concrete shall be 2" unless otherwise noted.

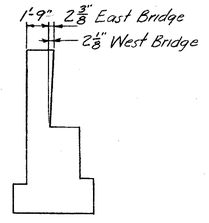
- Design load 25 ton per pile.
- All abutment concrete except parapet shall be Class "E"



SECTION A-A



SECTION B-B



SKETCH SHOWING SLOPE OF BACKWALL
(Typical Abut. No.1 - East & West Bridge)

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	ACI-1103(21)	

411
488

LAKE COUNTY
SEC. LAK-1-12.89

SEC. C-32 FED. AID PROJ. NO. ACI-1103 (21)

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR
STATE OF OHIO
DEPARTMENT OF HIGHWAYS

ABUTMENTS
BRIDGE NO. LAK-1-1370
S.R.1 UNDER RELOC. S.R. 44 (EAST BRIDGE)
LAKE COUNTY
STA. 370+01.86

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
JRO	PCW					