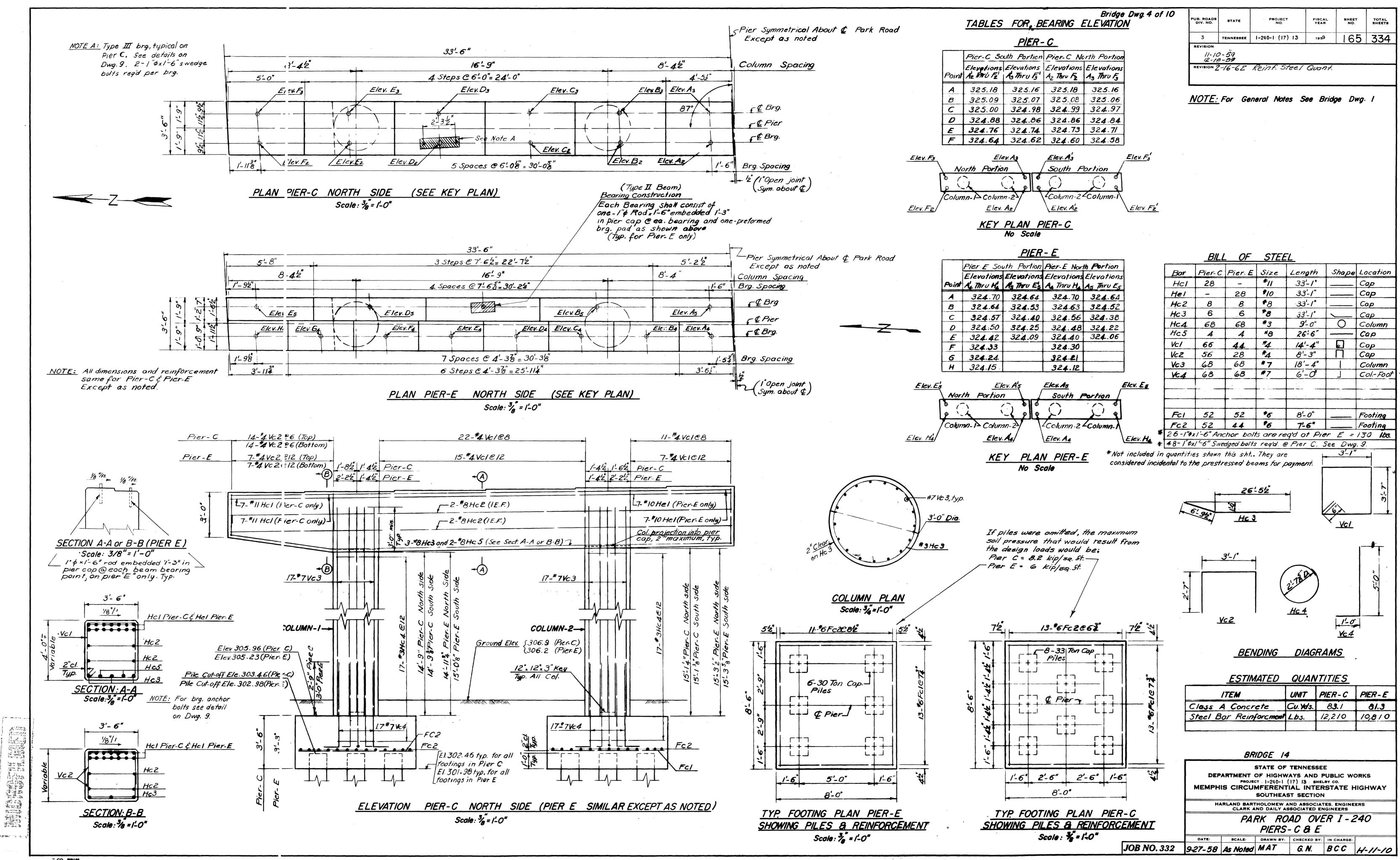
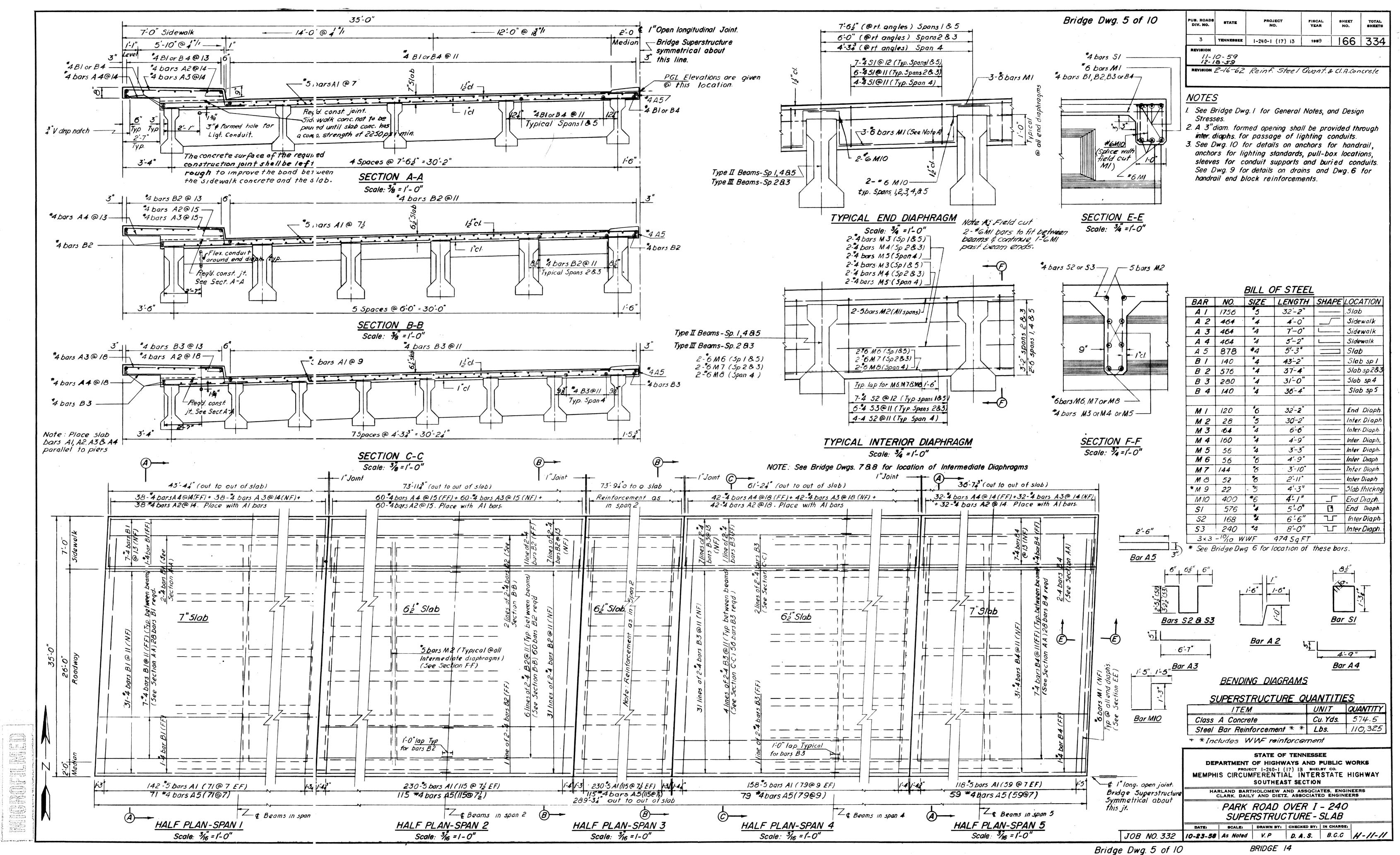
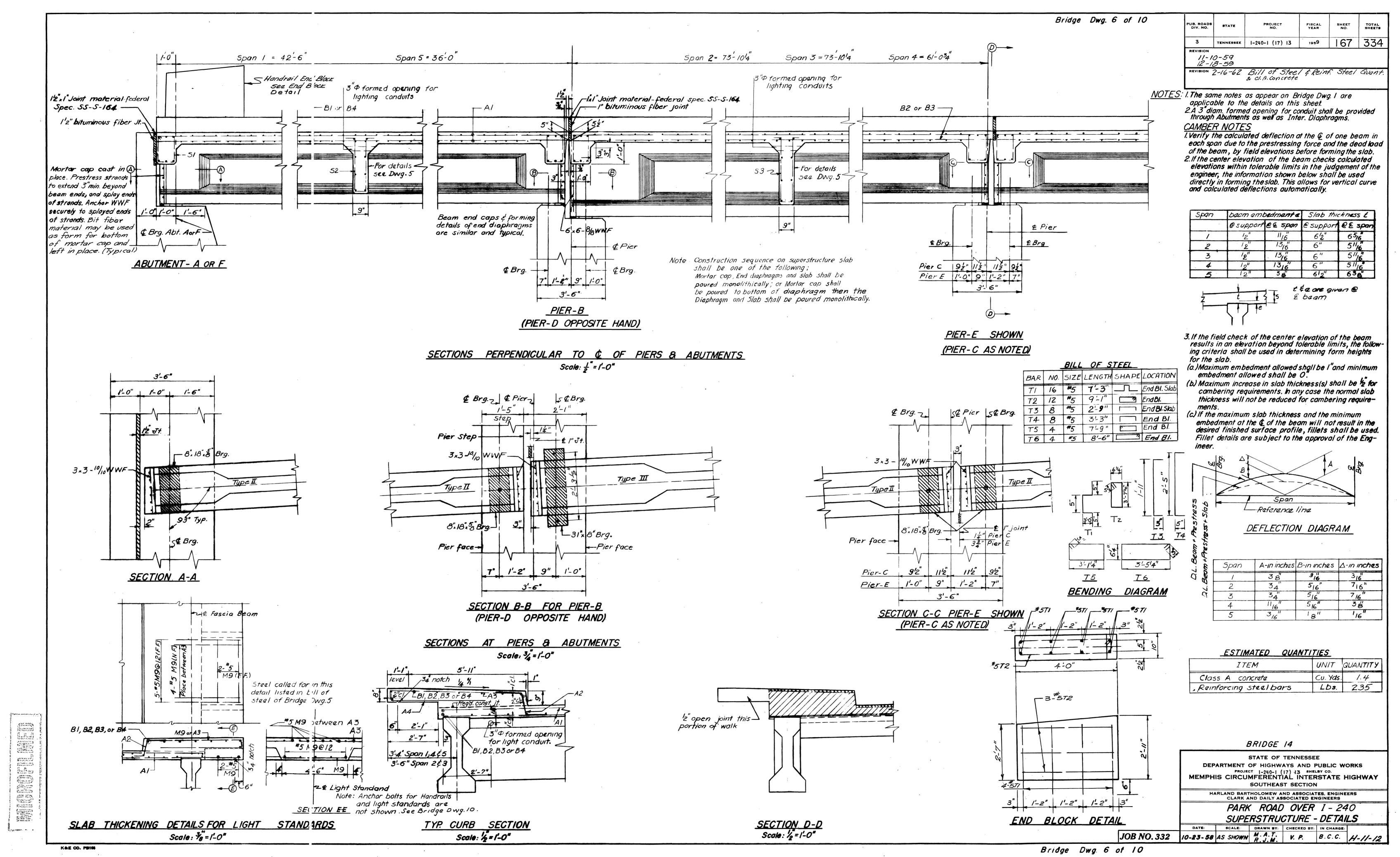


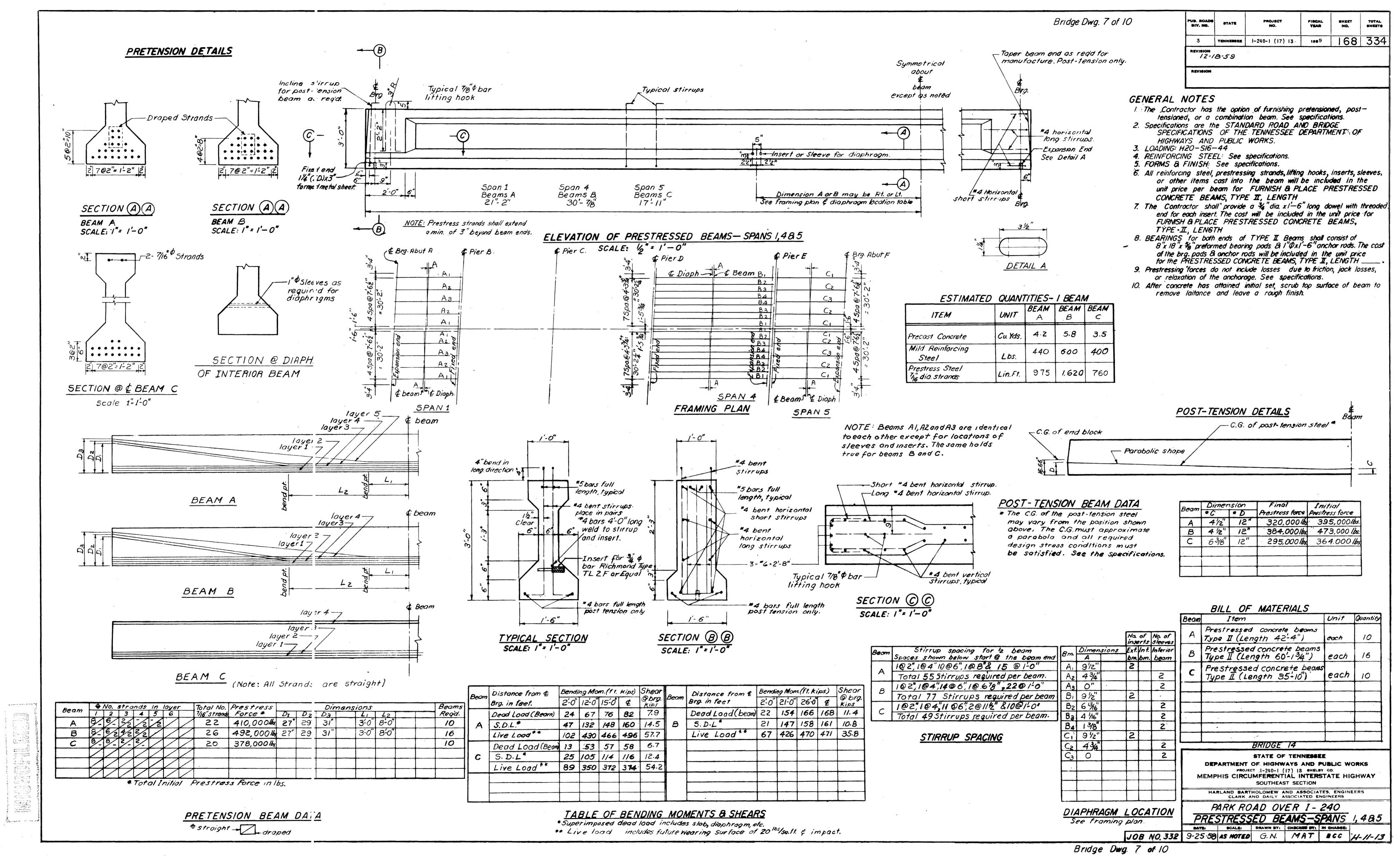
Bridge Dwg. 3 of 10

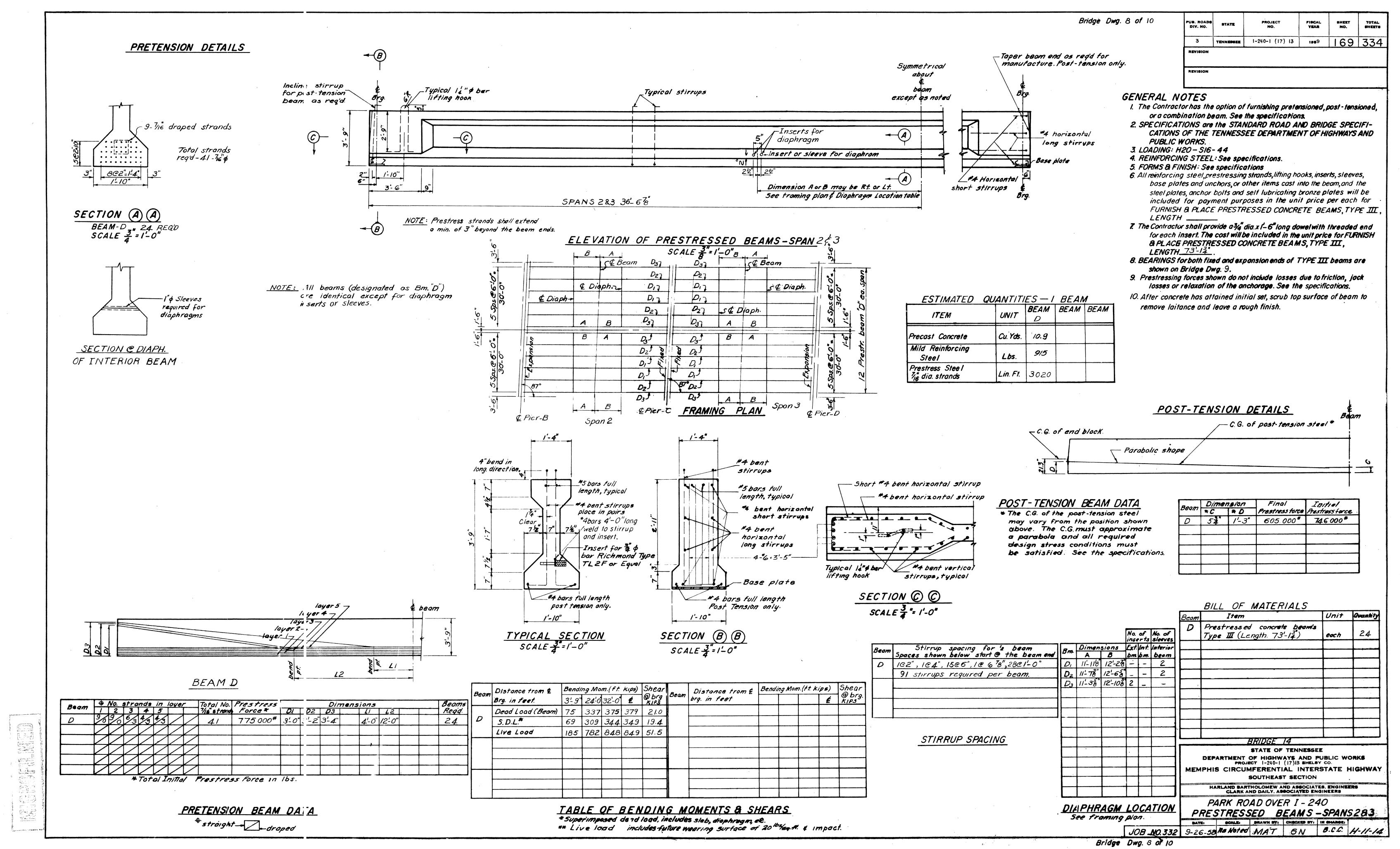


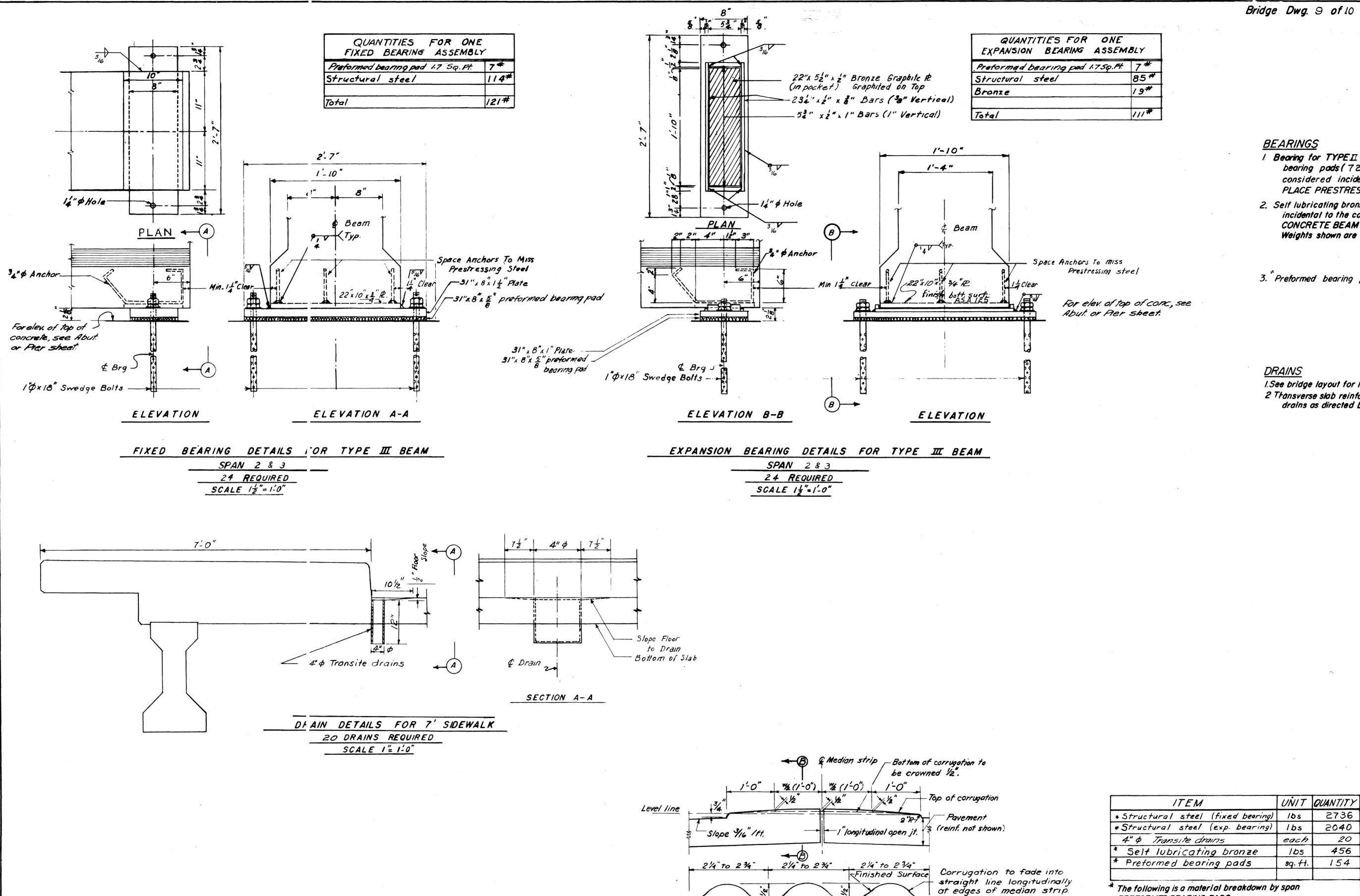
Bridge Dwg. 4 of 10











Bottom of corrugation -

SECTION B-B

DETAIL OF STANDARD CORRUGATED CONCRETE MEDIAN STRIP

The second secon

\* The following is a material breakdown by span PREFORMED BEARING PADS

72 5q.ft of 5/8 Spans 1,40r5 82 5q.ft of 5/8 Spans Zor3

<u>\$TEEL</u> 2388 # IN Span 2 or 3. BRONZE

STATE OF TENNESSEE DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS PROJECT |-240-| (17) |35HELBY CO. MEMPHIS CIRCUMFERENTIAL INTERSTATE HIGHWAY

BRIDGE 14

HARLAND BARTHOLOMEW AND ASSOCIATES, ENGINEERS
CLARK AND DAILY, ASSOCIATED ENGINEERS

SOUTHEAST SECTION

PARK ROAD OVER I - 240 BEARINGS & MISCELLANEOUS DETAILS DATE: SCALE: DRAWN BY: CHECKED BY: IN CHARGE: 228# in Expan. brgs Sp. 2 or 3. JOB NO. 332 10-18-58 As Noted G.N. C.O. BCC H-11-15

1-9-59 11-10-59

**NOTES** 

I Bearing for TYPEII prestressed beams shall be 8x 18x 5% preformed bearing pads (72 req'd this structure). These bearings will be considered incidental to the contract price bid for FURNISH & PLACE PRESTRESSED CONCRETE BEAMS, TYPE II LENGTH\_\_\_\_

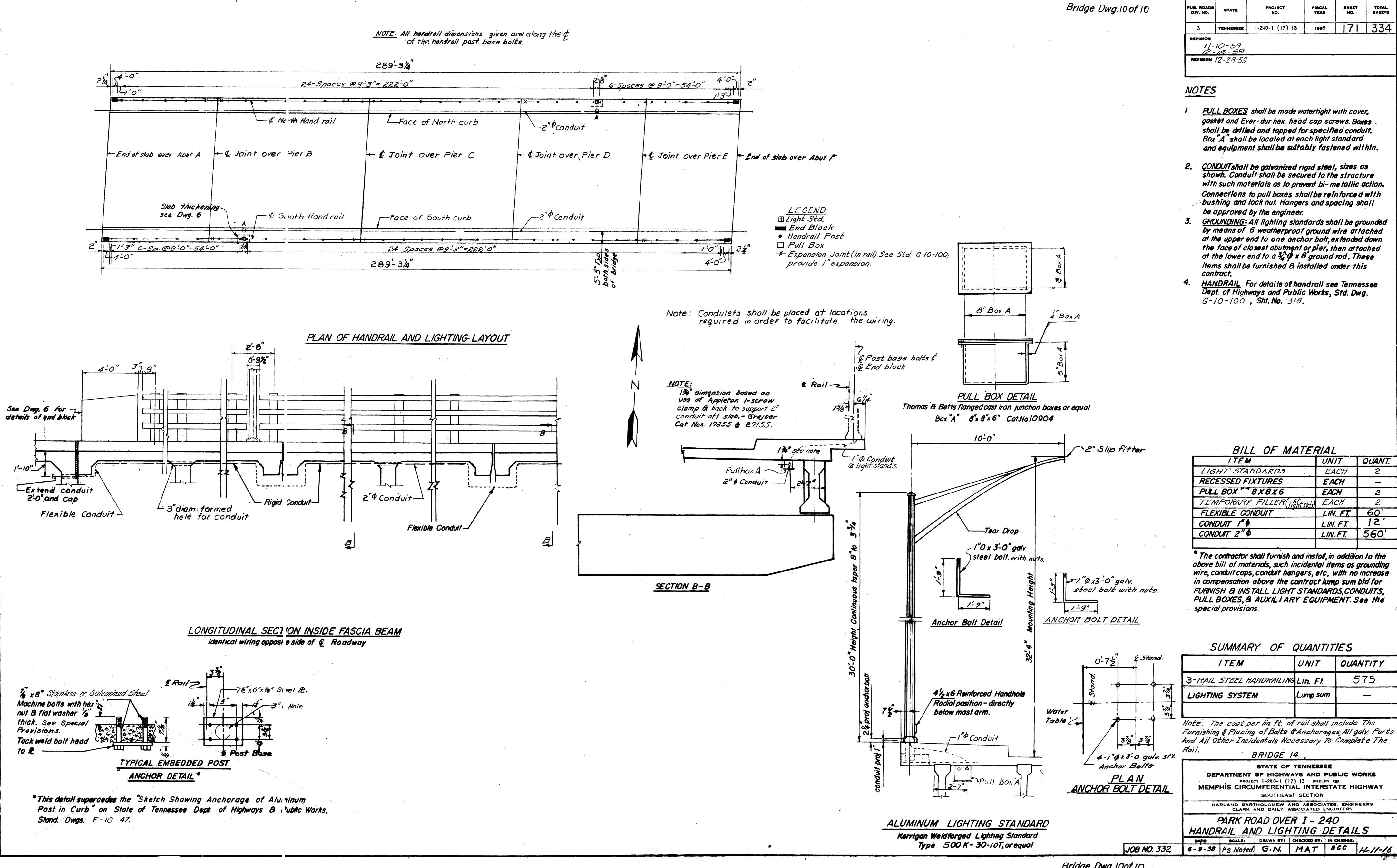
2. Self lubricating bronze plates, structural steel for bearings & anchors are incidental to the contract bid price for FURNISH & PLACE PRESTRESSEL CONCRETE BEAM TYPE III LENGTH 73'-13/2" Weights shown are computed on the following basis: STEEL at 490 1857 cu.ft.

BRONZE of 562 10 cu ft. PREFORMED BEARING PADS at 75 168/cu.ft.

3. Preformed bearing pads. See Special Provisions."

I. See bridge layout for location of drains.

2 Transverse slab reinforcing steel shall be bent in the field to clear roadway drains as directed by the engineer.



171 | 334 1989

- PULL BOXES shall be made watertight with cover, gasket and Ever-dur hex. head cap screws. Boxes shall be drilled and tapped for specified conduit. Box "A" shall be located at each light standard and equipment shall be suitably fastened within.
- CONDUITshall be galvanized rigid steel, sizes as shown. Conduit shall be secured to the structure with such materials as to prevent bi-metallic action. Connections to pull boxes shall be reinforced with bushing and lock nut. Hangers and spacing shall
- 3. GROUNDING: All lighting standards shall be grounded by means of 6 weatherproof ground wire attached at the upper end to one anchor bolt, extended down the face of closest abutment or pier, then attached at the lower end to a 3/4 9 x 8 ground rod. These items shall be furnished & installed under this
- HANDRAIL For details of handrail see Tennessee Dept. of Highways and Public Works, Std. Dwg.

BILL OF MATERIAL

ITEM	UNIT	QUANT.
LIGHT STANDARDS	EACH	2
RECESSED FIXTURES	EACH	
PULL BOX 8X8X6	EACH	2
TEMPORARY FILLER ( At sto	EACH	2
FLEXIBLE CONDUIT	LIN. FT.	60'
CONDUIT I" \$	LIN. FT.	12'
CONDUIT 2"	LIN.FT.	560'

\* The contractor shall furnish and install, in addition to the above bill of materials, such incidental items as grounding wire, conduit caps, conduit hangers, etc, with no increase in compensation above the contract lump sum bid for FURNISH & INSTALL LIGHT STANDARDS, CONDUITS, PULL BOXES, & AUXILI ARY EQUIPMENT. See the

## SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY
3-RAIL STEEL HANDRAILING	Lin. Ft.	575
LIGHTING SYSTEM	Lump sum	

Note: The cost per lin. ft. of rail shall include The Furnishing & Placing of Bolts & Anchorages, All galv. Parts
And All Other Incidentals Necessary To Complete The

STATE OF TENNESSEE

DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS PROJECT 1-240-1 (17) 13 SHELBY QD. MEMPHIS CIRCUMFERENTIAL INTERSTATE HIGHWAY

HARLAND BARTHOLOMEW AND ASSOCIATES, ENGINEERS
CLARK AND DAILY ASSOCIATED ENGINEERS

HANDRAIL AND LIGHTING DETAILS BATE: SCALE: DRAWN BY! CHECKED BY: IN CHARGE: