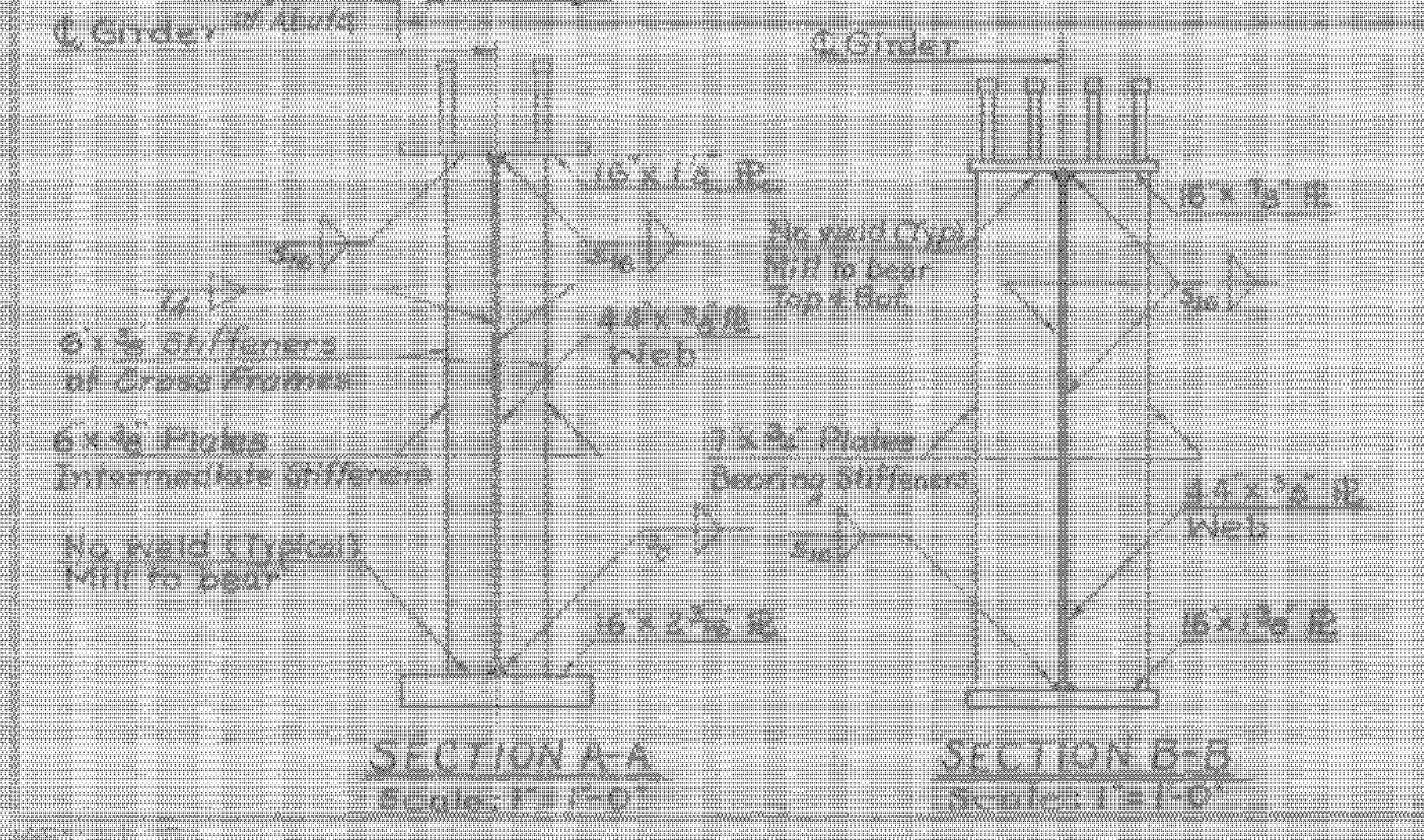
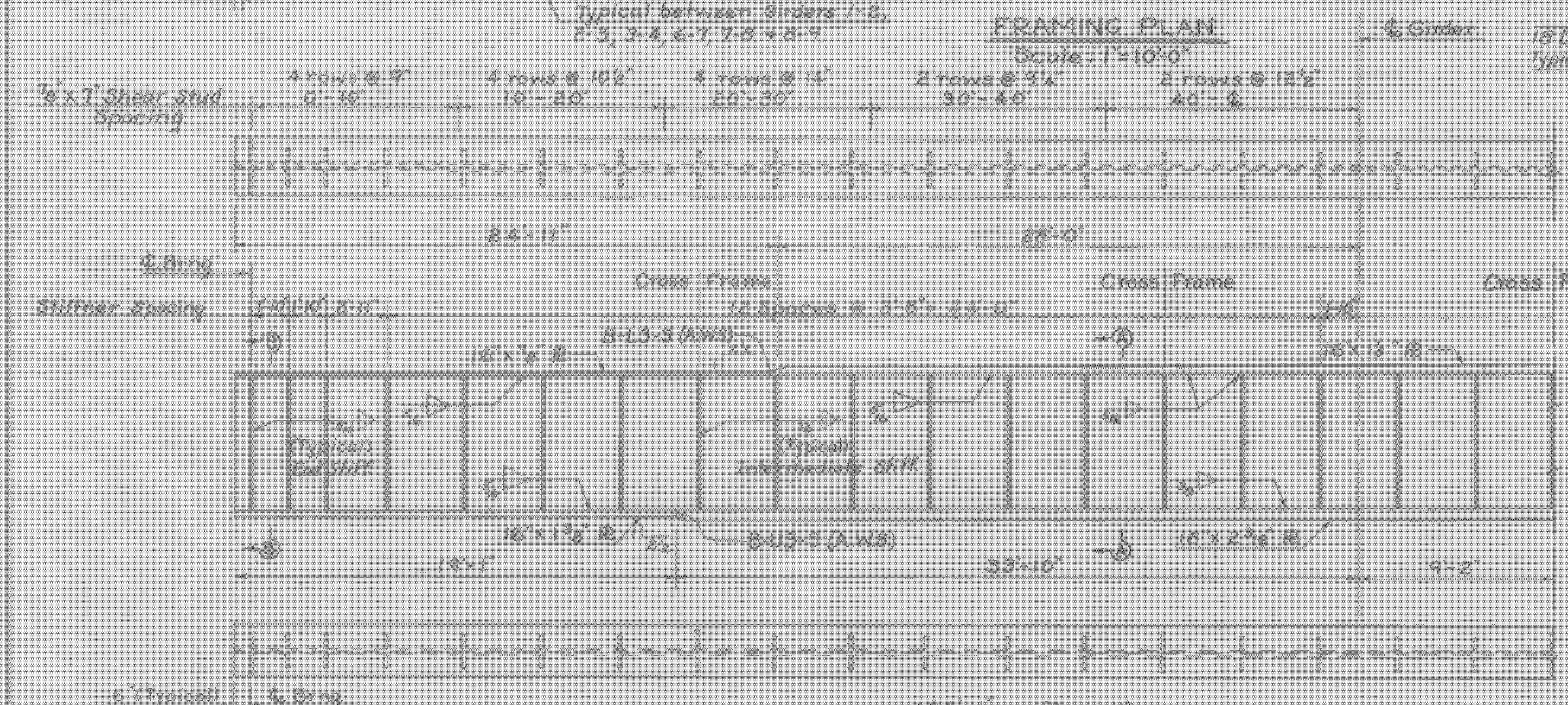
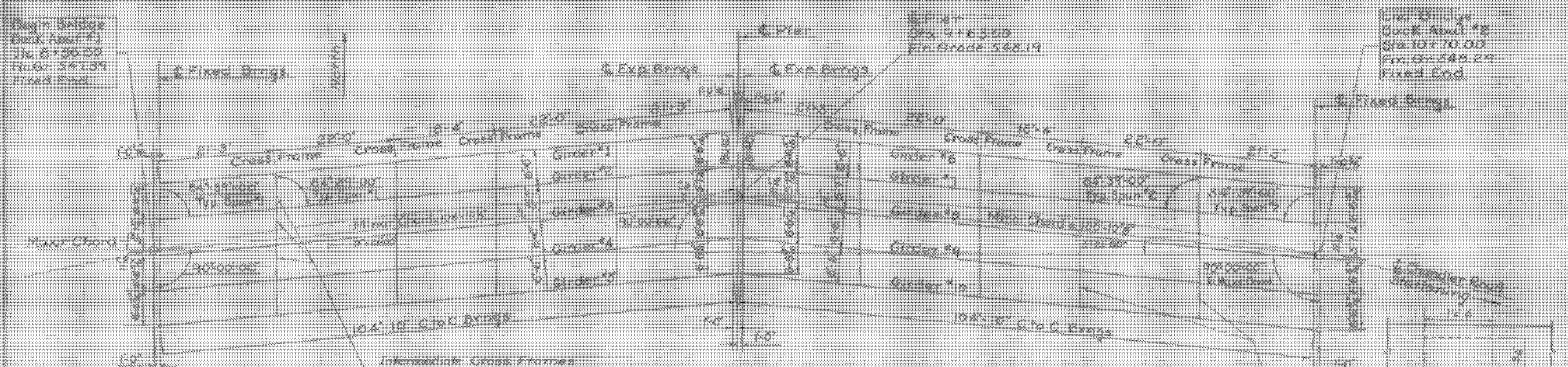
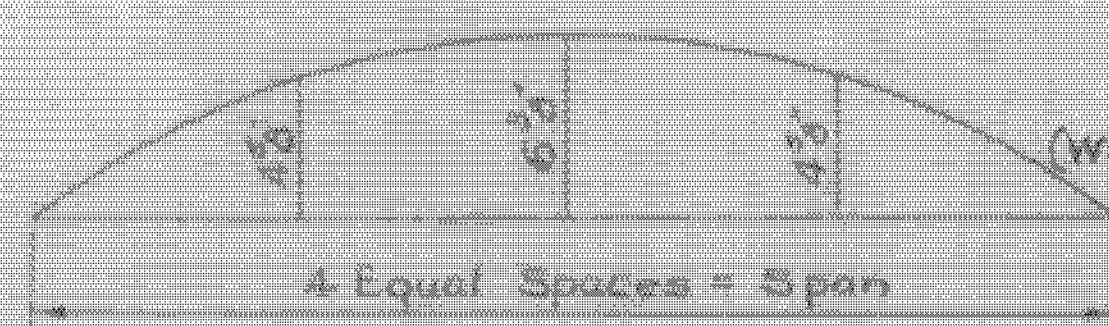


Begin Bridge  
Back Abut. #1  
Sta. 8+56.00  
Fin. Gr. 547.39  
Fixed End



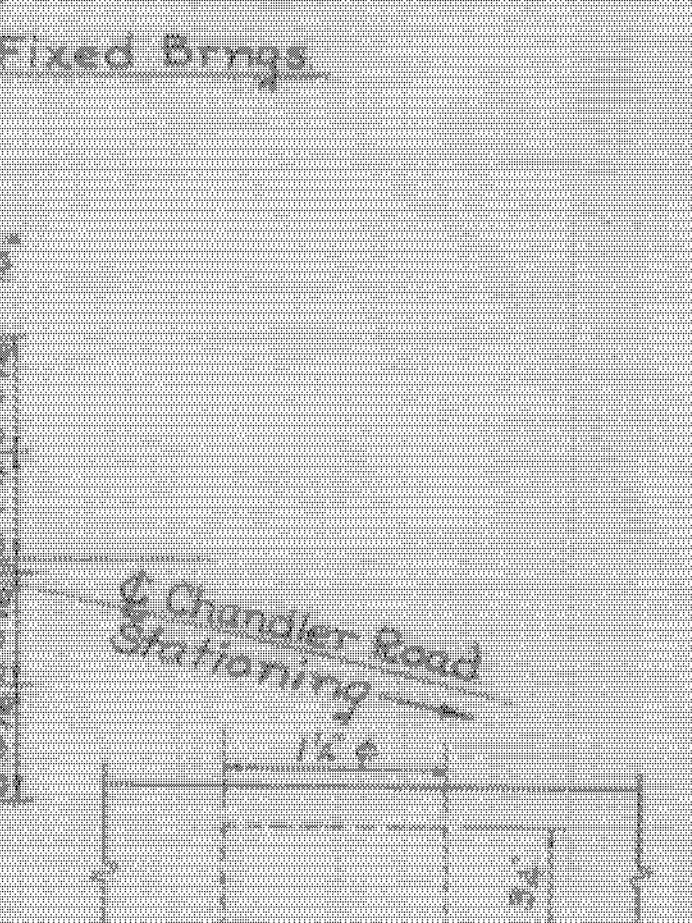
TYPICAL GIRDER SECTION  
Not to Scale



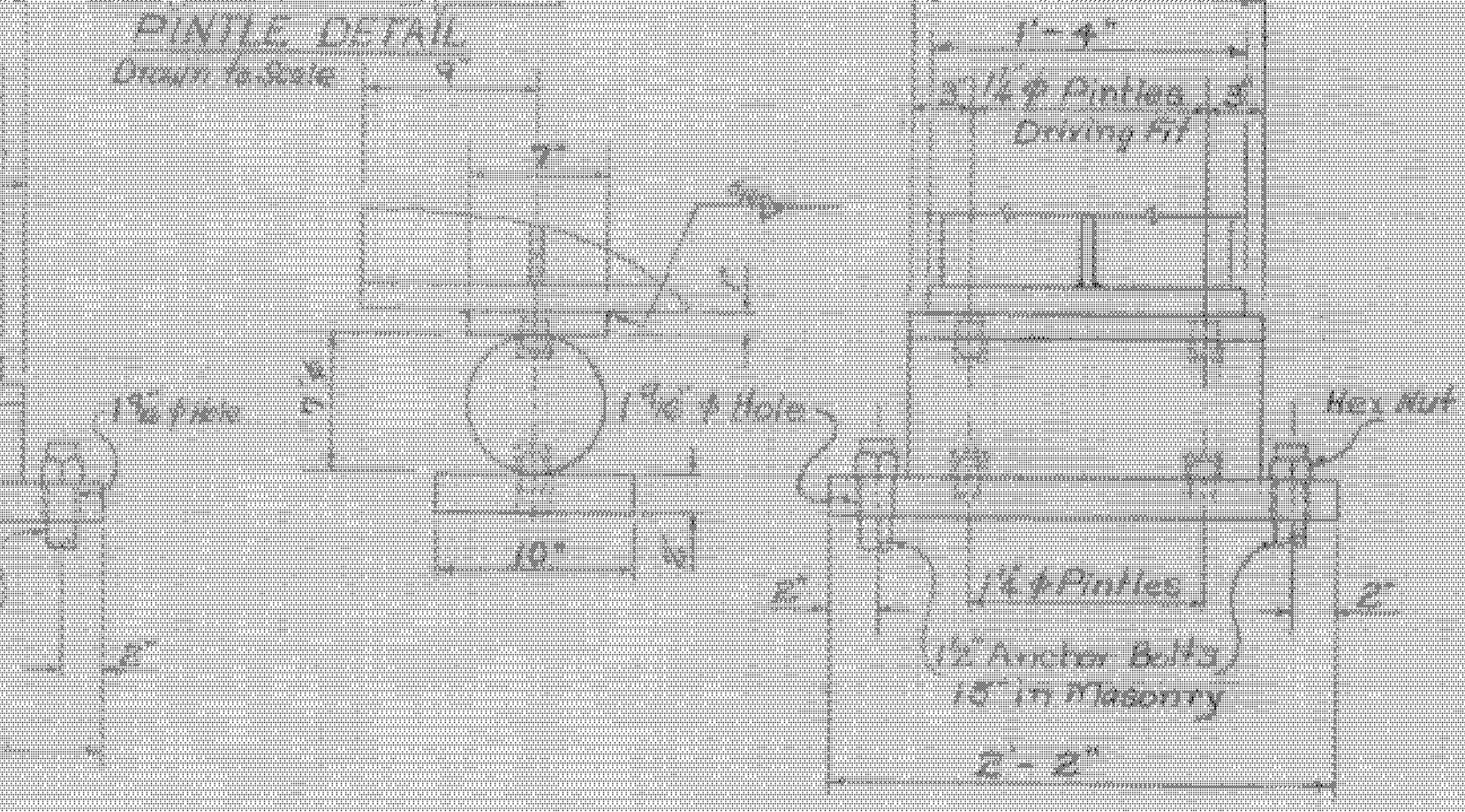
CAMBER DIAGRAM  
Not to Scale

\* Roadway Quantities

End Bridge  
Back Abut. #2  
Sta. 10+70.00  
Fin. Gr. 548.29  
Fixed End



PINTLE DETAIL  
Drawn to Scale



BEARING DEVICE DETAILS  
Scale: 1/2"=1'-0"

- NOTES
1. For General Notes see Sheet BR 300.
  2. Spiral Reinforcement, (See 403) Channels, spiral reinforcing or other mechanical shear connector devices may be substituted for the indicated welded studs.
  3. Camber indicated is the ordinate at midpoint of girder.
  4. Steel in the Fixed Bearings shall be ASTM A36-62T.
  5. Shop splices in the web and flanges shall be A.E.T. proqualified, full penetration type and shall be fully detailed on the shop drawings.
  6. \*\* Plates for Expansion Bearings shall be of high strength steel casting meeting ASTM Specification A148-60 (Grade 90-60) finished on indicated and straightened to plane surfaces.
  7. Rollers shall be of solid finished carbon steel meeting ASTM Specification A106 (AISI Grade 1045) turned and finished as indicated. Rollers shall be preheated to 300°F. held at this temperature until welding is completed and allowed to cool slowly. Minimum yield point is to be 60000 psi.
  8. The cost of furnishing and installing all Bearing Devices shall be included in the unit price bid for Structural Steel, Item 404-A.
  9. All girder flange plates, webs and stiffeners shall conform to A.S.T.M. Designation A441-63T, (Unless noted on the plans, all other structural steel shall conform to A.S.T.M. Designation A36-62T.
  10. Expansion Bearings are to be set vertical.
  11. For details of 12" Water Main between girders 4-5 and 9-10. See Sheets BR-304A.
  - \*\* Rolled steel with a minimum yield point of 60000 psi may be substituted for the expansion bearing plates.

Estimated Superstructure Quantities

ITEM NO.	DESCRIPTION	UNIT	NET	TOTAL	ORIG.
* 318	Tar Emulsion for Bridge Floors	Gal.		227	
* 361-B	Bilaminous Concrete Pavement (Dense Graded Bottom and Top Course)	Ton	45		
401M	Concrete Class AA	C.Y.	252	261	
402	Reinforcing Steel	LB.	51800	51805	
403	Shear Connectors (27107)	L.S.	1	1	
(WPG) 404-A	Structural Steel (Sta. 38201)	L.B.	20370	211373	
440	Water Repellent	Gal.	33	33 1/2	
556-C	Granite Bridge Curb	L.F.	425	427	
572	Bridge Railing (SB-SS-SS)	L.F.	499	499	

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS

TOWN OF HARTFORD (Urban)

ROUTE NO. LOG STA.  
Chandler Road over I91

Framing Plan, Girder and Bearing Device Details

SCALE As Noted

SURVEYED BY Singleton

DRAWN BY J.J.C. CHECKED BY L.F.S.

PROJECT NO. I91-B(4)

SHEET 10 OF 267

BR-304

WESTMINSTER-NORWICH  
IM BPNT (8)  
SHEET 27 OF 58  
BRIDGE 46  
FOR REFERENCE ONLY