

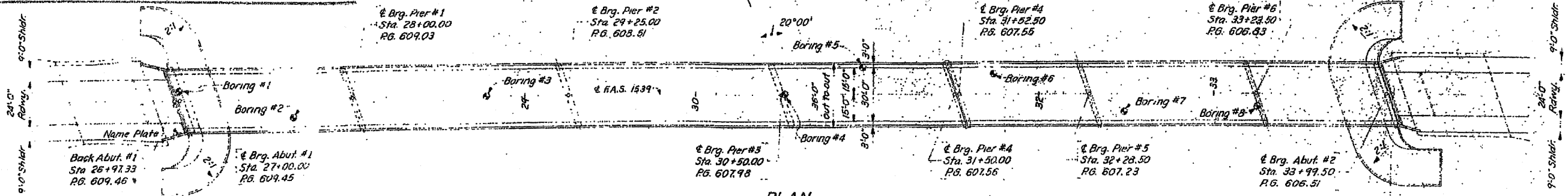
FOR INFORMATION ONLY

SHEET NO. 1
OF 24 SHEETS
F.A.S. 1539 37 Q MACON

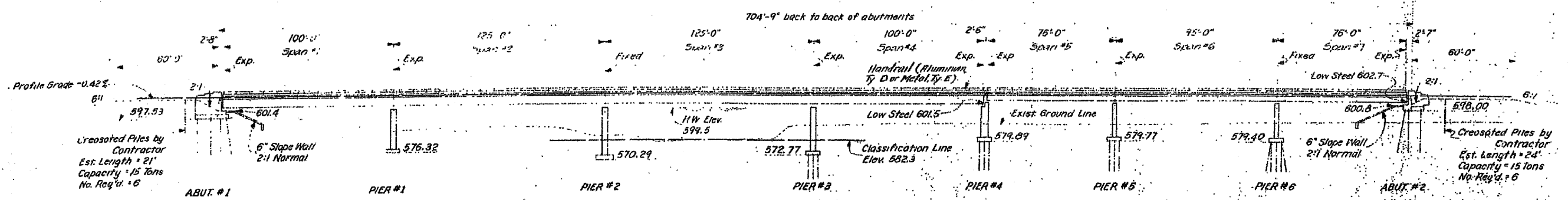
B.M. 3
R.R. spike in 30" twin maple. 120' Rt. Sta. 28+00.3
50' S. of river bank.
Elev. 588.89

B.M. 4
R.R. spike in maple cluster 170' E. Sta. 31+00.1 50' N of river bank. Elev. 588.50

Back Abut. #2
Sta. 34+02.09
R.G. 606.50



PLAN



ELEVATION

GENERAL NOTES

Concrete in piers shall be Class A. All other concrete shall be Class X. The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications and shall be poured in one continuous operation between joints in accordance with Article 51.11

All rivets shall be 3/8" φ, holes 1/8" φ, except as noted.

Field connections shall be riveted or, at the option of the Contractor, high strength steel bolts of the same nominal diameter may be substituted. See Article 54.9 (i) of the Standard Specifications.

Coarse aggregate which is to be used in parapet, handrails and end posts must be absolutely free of chert, flint, limonite, lignite and soft sandstone.

Minimum lap for reinforcement bars shall be 20-bar diameters.

All structural steel shall be ASTM A-36.

All rods, bolts, nuts, washers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in the quantity of structural steel. Est. wt. 24,400 lbs. (Inc. 11,700 lbs. Cast Steel)

Expansion devices shall be fabricated and erected in accordance with Article 51.13 (d) of the Standard Specifications and are included in the quantity of structural steel. Est. wt. 12,700 lbs.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint in accordance with Article 56.1 through 56.5 of the Standard Specifications.

Anchor bolts shall be set before installing diaphragms over the supports.

The contractor shall drive one concrete test pile at each abutment, in a permanent location and 4 timber test piles, one each near piers 3, 4, 5 & 6 all in accordance with Article 60.15 of the Standard Specifications, before ordering the remainder of the piles.

Permanent forms will not be permitted in forming the concrete floor slab.

A protective overlay shall be applied to the tops of the bridge seats on the abutments and pier No. 4 in accordance with the "Special Provisions for Bridge Seat Sealant."

DESIGN LOADING

Live: H20-S16-44 AASHTO 1961 Specs. and the Supplemental Specs. dated April 2, 1962.
Dead Load includes 198/sq. Ft. of roadway for future wearing surface.

DESIGN STRESSES

f_c = 400 p.s.i. Super. and Sub.
f_c = 75 p.s.i. Footings
f_s = 20,000 p.s.i. Reinforcing Steel
f_s = 20,000 p.s.i. Structural Steel (A-36)
n = 10
Live Load Deflection
= 1/200 for composite construction
= 1/1000 for non-composite construction

WATERWAY INFORMATION

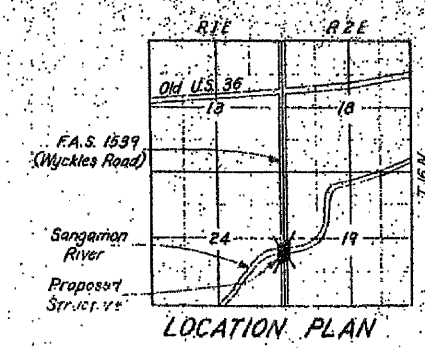
Drainage Area: 1,010 Square Miles
Character: Level, Rolling, Cultivated
Required Opening (25 year flood): 6,820 Square Feet
Proposed Opening: 6,850 Square Feet
Ordinary Water: Elev. 581.3
Low Water: Elev. 581.3

STA. 30+42.71
WYCKLES BRIDGE
BUILT 196
F.A.S. RT 1539 SEC. 37 Q
PROJ. 3-1539(101)
LOADING: H20-S16-44

LETTERING FOR NAME PLATE
(See Std. 2113)

TOTAL BILL OF MATERIAL				
Item	Unit	Superstr.	Substr.	Total
Class A Excavation for Structures	Cu. Yd.		998	998
Class B Excavation for Structures	Cu. Yd.		757	757
Class A Concrete	Cu. Yd.		749.1	749.1
Class X Concrete	Cu. Yd.		109.0	858.7
Structural Steel	Lb.	804,000		804,000
Handrail (Alum. Ty. Or Metal Ty. E)	Lin. Ft.	1,402		1,402
Reinforcement Bars	Lb.	189,260	42,200	231,260
Crossed Timber Piles	Lin. Ft.		3,795	3,795
Test Piles - Timber	Each		4	4
Concrete Piles	Lin. Ft.		840	840
Test Piles - Concrete	Each		2	2
Name Plates	Each		1	1
Slope Wall # B	Sq. Yd.		855	855
Protective Coat	Sq. Yd.	3,130		3,130
Bridge Seat Sealant	Lamp Sum		1	Lamp Sum

PROFILE GRADE F.A.S. 1539



LOCATION PLAN

FOR INFORMATION ONLY

GENERAL PLAN & ELEVATION

MACON COUNTY
F.A.S. RT. 1539 SECTION 37 Q

HOMER L. CHASTAIN & ASSOCIATES
CONSULTING ENGINEERS
DECATUR, GEORGIA

REVISIONS

DATE: 4-63
DRAWN BY: F.M.L.
CHECKED BY: F.M.L.
SCALE: AS SHOWN