

302 W. 15th Street  
Austin 14, Texas

August 2, 1943

State Highway Engineer  
State Highway Department  
Austin 26, Texas

Dear Sir:

By permission of your office the U. S. Geological Survey installed a water-stage recorder in June 1931 on your bridge over the Brazos River at Richmond, Texas.

The structure was attached to the downstream end of the main pier near the left (east) bank. At that time there was deep water around this pier and shallow water around the pier on the right bank. Soon after the recorder was placed in operation, sand bars formed around the left pier and ever since then we have experienced trouble due to this sand formation.

For several years there has been deep water around the right pier and it now appears that if we are to obtain a satisfactory record at this station, we should move the recorder structure from its present position on the left pier to a corresponding position on the right pier.

Your permission to make this change would be greatly appreciated.

Very truly yours,

C. E. Ellsworth  
District Engineer

CHE:emo

*File: Brazos River at Richmond*



COMMISSION  
BRADY GENTRY, CHAIRMAN  
REUBEN WILLIAMS  
FRED E. KNETSCH

TEXAS HIGHWAY DEPARTMENT

AUSTIN 26  
August 6, 1943

STATE HIGHWAY ENGINEER  
D. C. GREER

REFER TO FILE NO. D-5

Mr. C. E. Ellsworth, District Engineer  
U. S. Department of Interior  
Geological Survey  
302 West Fifteenth Street  
Austin 14, Texas

*File: Brazos R. at Richmond  
Misc. Folder*

RECEIVED  
AUSTIN, TEXAS  
AUG 7 1943  
U. S. DEPT. OF INTERIOR  
WATER RESOURCES DIVISION  
SURFACE WATER DIVISION

FAP 334  
Control 27-8-4 & 3  
U. S. Highway 59-90  
Fort Bend County

Dear Sir:

Reference is made to your letter of August 2, 1943, requesting permission to change the location of your water-stage recorder on the main pier near the east bank of the river to the main west pier of Brazos River Bridge.

It is our understanding that the type of water-stage recorder will be the same type as is now in use.

You are hereby granted the requested permission to change the location of the gaging station to the upstream side on the bridge with the provision that it be changed under the supervision and inspection of the District Engineer in whose district the structure is located; and that the installation does not mar the appearance or overstress the structure, impair the horizontal clearance between the handrails nor interfere with the waterway opening provided, and that no unsightly marks will be made on the railing or any portion of the bridge that will detract from its appearance, and that the gage shall be removed upon thirty days notice in case it is desired to reconstruct the bridge.

The District Engineer, Mr. W. J. Van London, P. O. Box 1286, Houston, Texas, should be notified a few days in advance of time anticipated for the changing of the location of the gage so that ample time will be available for the arrangements of the necessary inspection.

*Van Londons office notified by phone*

9-17-43

*N.H.G.*

Sincerely yours,

D. C. Greer  
State Highway Engineer

By:

*T. H. Webb*  
T. H. Webb, Assistant  
State Highway Engineer

COST RECORD

Brazos River nr. Richmond, Tex.

W. H. Goines, salary (pt.), Sept.	\$ 68.00
Cecil DeLaney Welding Co., materials	64.65
J. T. LaCook & James Dabos, pay 9/13-18	69.00
do do do 9/20-25	101.20
do do do 9/27-10/2	91.20
do do do 10/11-16	55.20
Tips Engine Works (circular metal shelter)	129.80
Armco Drainage & Metal Products, Inc. (stilling well)	45.00
Red Arrow Freight Lines Inc.	5.98
do	<del>3.56</del>
<del>James Dabos, pay</del>	<del>3</del>
Wessendorff Lumber Co.	15.54
W. H. Goines, salary (pt.), Oct.	93.78
do Oct. expenses	45.78
do do	4.00
J. T. LaCook, pay 10/18-21	36.80
<del>W. C. Lindley, materials</del>	<del>22.27</del>
W. D. McDougal, sups.	11.50
J. T. LaCook, exp.	2.55

\$ 843.53

Cost of moving gazebo from left pier  
to right pier Oct 1943