

Station

FILE COPY

Kieth Essex, Equipment Dev. Lab., 1509 Hess
St., Columbus 12, Ohio

February 24, 1958

Trigg Twichell, District Engineer, Austin, Tex.

WHG
Jay

Special Crane

Reference is made to our conversation last week regarding the special crane for the station Brazos River at Richmond, Tex.

The boards for the walkway are 0.9 ft wide and the average width of the cracks or spacing between the boards is 0.1 ft.

Trigg Twichell

Trigg Twichell

WHG/djs

Office Memorandum • UNITED STATES GOVERNMENT

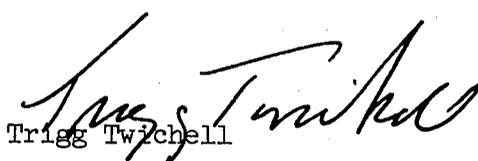
TO : Hal K. Hall, Engineer-in-Charge, Houston, Tex. DATE: February 18, 1958

FROM : Trigg Twichell, District Engineer, Austin, Tex.

SUBJECT: Brazos River at Richmond, Tex.

Kieth Essex called today regarding the special crane for the Richmond Station. He proposes to use 10-inch wheels, however, he needs to know the width of the boards and spacing of the cracks on the walkway. This information is needed so the crane can be designed so that all four wheels of the crane will not fall into cracks at the same time.

If you have a scheduled trip to Richmond this week please get the necessary information, otherwise please plan to go by Richmond on your way to Austin this week.


Trigg Twichell

WHG/djs

Will do today
2-19-58
VBS.

Office Memorandum • UNITED STATES GOVERNMENT

TO : Trigg Twichell, District Engineer
Austin, Texas

DATE: Dec, 31, 1957

FROM : Hal K. Hall, Engineer-in-charge, Houston, Tex.

SUBJECT: Brazos River at Richmond, Tex.

Ref your memo of Oct. 18, 1957

Attached is a visit with sketch and photographs of the hand-rail for the above named station.

We have used both the 4-wheel base Columbus crane and the 3-wheel base Columbus crane from this walkway. The 3-wheel base will operate satisfactorily with a 50 lb or lighter weight, but it is too wide to set on all three wheels. It must be moved from station to station on two wheels which works o.k. for two men.

The 4-wheel base will roll on all four wheels provided the counter-weight rack is tied up in a vertical position. This crane must also have two men (one person rides on the back of the crane and acts as a counter-weight) and can be used with a 100 pound weight. One of the disadvantages of this crane is the small wheels which tend to hang between the planking of the walkway. The walkway is fairly rough as can be seen in the photographs.

If a special crane is built for this station, we believe the 4-wheel base Columbus crane could be cut down so that the counter-weight rack could be used. It would also be desirable to use larger wheels (same size as 3-wheel base) so that movement would be easier.

VBS/



Hal K. Hall

for advice
Wrote to Keith Essex
1/2/58
WKG

WKG


1958

U. S. G. S. WATER RESOURCES DIVISION

REPORT OF INVESTIGATION

NO. 1

1958

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AUSTIN, TEXAS

JAN 2 1958

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WATER RESOURCES DIVISION
SURFACE WATER BRANCH

STATION FILE COPY

Surface Water File

November 19, 1957

W. H. Goines, Assistant District Engineer, Austin, Tex.

Construction in the Houston Area

W. H. Goines and H. K. Hall met with H. R. Jensen, of the Harris County Flood Control District, on Nov. 14, 1957, to discuss gages on Buffalo and Brays Bayous in Houston.

Buffalo Bayou at Houston - Recorder is now in operation. Jensen will be billed for 1/2 the cost when final cost report is received.

Brays Bayou at Houston - As soon as possible, Hall will submit bridge plans, a cross-section of the proposed channel, and a sketch of the proposed gage well showing location and elevation of the pertinent features of the gage well. Hall will find out if permission to install the gage well should be obtained from the city of Houston or the Harris County Flood Control District.

The Austin office will prepare plans and a cost estimate for the gage well and a concrete control. These will be submitted to Jensen for approval.

Jensen will arrange with the Corps of Engineers to install the lower sections of the gage well.

Attoyac Bayou near Chireno - When bridge construction has progressed, Hall will prepare a sketch of the proposed gage well. Well will probably be installed at downstream side of pier at new bridge, same site as former recorder. Austin office will prepare plans and work outlines.

Spring Creek near Spring - Hall will keep in contact with the Highway Department and contact the Austin office as soon as this job can be completed.

file Brazos River at Richmond - Hall will furnish a sketch of the bridge walkway. Possibly a power rig may be made for this bridge.

W. H. Goines

WHG/ej

cc: H. K. Hall

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~~S. W. FILE COPY~~

Hal K. Hall, Engineer-in-Charge, Houston, Tex.

October 18, 1957

W. H. Goines, Acting District Engineer, Austin, Tex.

Brazos River at Richmond, Tex.

We are considering a special built crane to operate from the sidewalk at the Richmond station. The equipment could be stored at a garage near the bridge or in a small house at end of the bridge.

At your early convenience and while on a regular field trip, please determine the width of the walkway and the height of the handrail. How far upstream would a weight and meter have to extend to clear the bridge?

An alternate proposal would be a rig that would attach to the handrail, on the order of the special equipment at the Waller Creek Station in Austin. If the handrail is strong enough to support such a rig (cable will break at 1200 to 1500 lbs) please furnish a sketch, with dimensions, of the handrail.

W. H. Goines

WHG/djs