



ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

Response Summary:

The purpose of the reconnaissance trip was to observe navigation conditions along the White River near Tichnor, AR. This was accomplished by riding a pilot boat around the study area. Many digital photographs were taken during the transit. The transit began at Lock 1, traveling East through the Benzal Railroad Bridge. From there we continued 3.5 miles Eastbound down to the Historic Closure Structure. The Project Engineer pointed out that for the study, the river stage will be above 145 FT, which is when water from the Arkansas River overflows into the White River bringing an increased sediment load or the White River overflows into the Arkansas creating potentially adverse outdraft navigation conditions. The transit concluded at the Montgomery Point Lock and Dam.



Period of Performance:

The reconnaissance trip was conducted on February 15, 2018.

Benefits of the Response to the USACE Dredging/Navigation Program:

The photographs that were taken during the reconnaissance trip will assist later to develop the ship simulator's visual scene database which will be used during the subsequent navigation study.

Deliverable:

A Technical Report will be generated in the future following a complete ship simulation navigation study of the project area to be conducted during the project's PED phase. The project is currently in the Feasibility phase.



Providing environmental and engineering technical support to the U.S. Army Corps of Engineers Operations and Maintenance navigation and dredging missions

Mario Sanchez

DOTS ID: DOTS-18-R18

Coastal Hydraulics Laboratory • Mario.j.sanchez@usace.army.mil