

24 April 1967

LNVBC

SUBJECT: Hurricane Protection - Lake Pontchartrain and Vicinity

TO: Chief of Engineers
ATTN: ENGCW-V & ENGCW-PRR/L
Loyacon

Schroeder

1. Reference is made to the following:

a. Lower Mississippi Valley Division letter of 21 March 1966, subject: Hurricane Protection - Lake Pontchartrain and Vicinity - Chalmette Area. B
Bush

b. New Orleans District letter of 29 November 1966, subject: Lake Pontchartrain, La., and Vicinity - Modification of the Chalmette Area Plan to Include Larger Area. Dement

c. House Document No. 231, 89th Congress, 1st Session, Lake Pontchartrain and Vicinity, La.

2. In first indorsement to Reference a. the Chief of Engineers considers that the portion of the cost that is required for riprap foreshore protection against erosion from wavewash from shipping should be charged to the navigation project as a Federal cost for wavewash protection. Obviously, the navigation project referred to is the Mississippi River-Gulf Outlet project.

3. In third indorsement to Reference a. the New Orleans District Engineer furnished an estimate of the costs for wavewash and foreshore protection chargeable to the navigation purpose. This estimate includes wavewash and foreshore protection for the Citrus back levee, the New Orleans East back levee, and the Chalmette back levee which are identified as the levees paralleling and adjacent to the Gulf Intracoastal Waterway and the Mississippi River-Gulf Outlet project as shown on Plate 3 of Reference c. In fifth indorsement to Reference a. the Chief of Engineers states that this particular decision (i.e., the decision in first indorsement) was based on those facts pertaining to the specific projects involved. Thus, the projects involved are the Lake Pontchartrain and Vicinity Hurricane Protection project, the Mississippi River-Gulf Outlet project, and the Gulf Intracoastal Waterway project.

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4. Reference b. discusses enlargement of the Chalmette area and in paragraph 10 sets forth an additional cost of \$966,000 for foreshore protection along the Mississippi River-Gulf Outlet in Reach C-D. Paragraph 16 of Reference b. states that the modification of the Chalmette area will increase the total estimated cost of the Chalmette area plan from \$29,555,200 to \$37,697,000, which includes \$4,377,400 for foreshore protection along the Mississippi River-Gulf Outlet.

5. The sixth indorsement to Reference b. indicates that the costs for riprap foreshore protection along the Mississippi River-Gulf Outlet reach of the project are in excess of \$4 million.

6. It is our opinion, based on the above correspondence, that the costs of foreshore and wavewash protection to be provided along the north side of the Mississippi River-Gulf Outlet and the Gulf Intracoastal Waterway in the Citrus and New Orleans East areas and along the south side of the Mississippi River-Gulf Outlet in the Chalmette area are to be borne by the Federal government and are chargeable to the navigation projects.

7. There will be no difficulty in charging the cost of riprap protection to be placed adjacent to the Mississippi River-Gulf Outlet Navigation project to that project since it is still in a construction status. However, the remaining riprap in the Citrus area, and that in the New Orleans East area are adjacent to the Gulf Intracoastal Waterway which is a completed project and for which construction funds are not available. The cost of this protection cannot be charged to the Gulf Intracoastal Waterway without reopening the project, and since there are no other navigation projects in the area to bear the cost, your guidance is needed as to the funding of this portion of the riprap protection.

8. In summary, the cost of the riprap protection is approximately \$7 million at January 1966 price levels and ordinarily would be charged to the navigation projects as shown below:

	<u>Cost</u>	<u>Charge to</u>
Citrus Back Levee	\$1,770,185	Miss. R.-Gulf Outlet and G.I.W.W.
New Orleans East Back Levee	891,280	G.I.W.W.
Expanded Chalmette Area	<u>4,337,400</u>	Miss. R.-Gulf Outlet
Total	\$6,998,865	(Say \$7 million)

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9. It is proposed to increase the cost of the Mississippi River-Gulf Outlet project by \$6 million (rounded) to provide for the riprap protection. Your concurrence in this action and in our opinion expressed in paragraph 6 above is requested, as well as guidance on the procedure to be followed in charging the costs of riprap protection for part of the Citrus area back levee and all of the New Orleans East back levee.

FOR THE DIVISION ENGINEER:

Copy furnished:
New Orleans Dist
Mr. Dement
Mrs. Sevier

MARSHALL E. BUSH
Chief, Program Development Office