

(A0004735)

# DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is The Adjutant General's Office.

*Broussard*

REFERENCE OR OFFICE SYMBOL

SUBJECT

LMNED

Briefing Material for the Chief of Engineers -  
Lower Miss. Valley Flood Control Assn.

TO Chief, Design Br  
Chief, Plng & Repts Br

FROM Chief, Engrg Divn

DATE 7 Nov 69

CMT 1

Mr. Baxter/dal/236

1. As per instructions in attached copy of DF dtd 6 Nov 69, it is requested that updated material be furnished me by noon, 13 Nov.
2. Chief, Planning and Reports Branch, will furnish briefing sheet on the New Orleans to Venice project.

*J. C. Baeher*

JEROME C. BAEHR  
Chief, Engineering Division

Incl  
As listed below

**Design Branch:**

- Miss.R., Reshaping and Bring
- Levees up to Approved Code Stds
- Atch Basin, Deficient Levee Secs
- Map, NOD

**Planning & Reports Branch:**

- ~~Miss.R., Levee Prot and Chan~~ *Sent to Design Branch*
- ~~Stab below Baton Rouge~~
- Atch Basin, F&W Problems *sent*
- Old & Atch Rivers Control *sent*
- MR-GO, Requirement for Addl *Dams*
- Connecting Lock
- Hurricane Prot *sent* *Broussard*
- Miss River Delta at and Below N.O. *Barton*

**LARGE PONTCHARTRAIN**

# DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is The Adjutant General's Office.

REFERENCE OR OFFICE SYMBOL

SUBJECT

LMNEX

Briefing Material for the Chief of Engineers  
Lower Mississippi Valley Flood Control Association

TO Chief, Engineering Division

FROM Executive Assistant

DATE 6 Nov 69

CMT 1

Mr. Dodd/eca/349

1. Attached is briefing material furnished the Chief of Engineers for use at last year's meeting. Please update all items as soon as possible and return for final preparation. An original and one copy in final form should be furnished. We will take care of reproduction. Ten copies of each map will be required.

2. In addition to those items attached, a briefing sheet on the New Orleans to Venice project should be furnished.

3. It is requested that all updated material be furnished not later than close of business, 14 November. Any that are completed prior to that date should be forwarded upon completion.

FOR THE DISTRICT ENGINEER:



W. B. DODD  
Executive Assistant

1 Incl  
as

*See 10/10/59 Revision*

SUBJECT: HURRICANE PROTECTION

1. ITEM OF INFORMATION: Lake Pontchartrain, La. and Vicinity

2. PROBLEM: Hurricane "Betsy" caused extensive damage in the New Orleans area in 1965. A repetition is feared by all concerned, including the Louisiana Congressional Delegation. Heavy pressure is being exerted to expedite construction of the protective works, particularly for the Lake Pontchartrain Barrier and Seabrook Lock.

3. BACKGROUND. The project, which was authorized by the Flood Control Act of 1965 (Public Law 89-298), consists of the following features:

a. Lake Pontchartrain barrier plan.

(1) A barrier across the east side of Lake Pontchartrain to consist of a levee along U. S. Highway 90; a structural complex at Chef Menteur Pass comprising a gated control structure of eight bays, each 50 feet wide with invert at elevation -25, a navigable floodgate 56 feet wide with sill at elevation -12, a closure dam in the Pass with crown at elevation 14, and connecting channels for the control and navigation structures; a structural complex at the Rigolets comprising a gated control structure of 23 bays, each 50 feet in width, with invert at elevation -20, a navigation lock 860 feet long (pintle to pintle) by 84 feet wide with sill at elevation -14, a closure dam in the Rigolets with crown at elevation 14, and connecting channels for the control structure and navigation lock. Navigation interests desire a 110' width lock. Studies for the 110' lock will be incorporated in the GDM.

(2) A levee along the lakeshore of St. Charles Parish between the Bonnet Carre' Spillway and Jefferson Parish Line Canal; a drainage structure in the levee at Bayou Piquant; and

(3) Improvement of existing levees along the lakeshore of New Orleans; a new levee along the lakeshore of Citrus and New Orleans East; and improvement of existing protective works between U. S. Highway 90 and the Gulf Intra-coastal Waterway and the Inner Harbor Navigation Canal in Orleans Parish, and along the lakeshore at Mandeville, La.; and

(4) The construction of a lock 860 feet long (pintle to pintle) by 84 feet wide with sill at elevation -15 and top of wall at 14.3 at the lakeward terminus of the Inner Harbor Navigation Canal in the vicinity of Seabrook, La.

b. Chalmette area plan. A levee along the Mississippi River-Gulf Outlet from the Inner Harbor Navigation Canal to approximately 6 miles southeast of Bayou Dupre, thence southwest to Verret, thence west to Caernarvon, La.; the improvement of the existing levee along the Inner Harbor Navigation Canal; and navigable floodgates in the levee alignment at Bayous Bienvenue and Dupre and a drainage structure in the vicinity of the Whitehall Canal.

The authorized project requires that local interests provide all lands, accomplish all relocations, hold and save the United States free from damages due to the construction works, provide all interior drainage required for reclamation and development, maintain and operate, and bear 30% of the first costs, inclusive of lands and relocations.

Estimated Federal cost:

|                                  |                 |
|----------------------------------|-----------------|
| Lake Pontchartrain barrier plan  | \$ 86,748.0     |
| Chalmette area plan, as modified | <u>26,814.0</u> |
| Total                            | \$ 113,562.0    |

Estimated non-Federal cost:

|                                  |                    |
|----------------------------------|--------------------|
| Lake Pontchartrain barrier plan  | \$ 40,945.0        |
| Chalmette area plan, as modified | <u>\$ 11,493.0</u> |
| Total                            | \$ 52,438.0        |

4. STATUS: The State of Louisiana, Department of Public Works, and the Orleans Levee District, respectively, have been designated by the Governor as the agencies to coordinate and furnish local cooperation on the project. The Orleans Levee District has executed assurances for all of the project except the portion in St. Bernard Parish; the Lake Borgne Basin Levee District and the Police Jury of St. Bernard Parish have executed joint assurances for the remainder of the project.

Preconstruction planning is proceeding in accordance with an accelerated schedule. Financial Data for this project to date follows:

| <u>Appropriation History</u> |                     | <u>FY 1969 Budget History</u> |              |
|------------------------------|---------------------|-------------------------------|--------------|
| Total thru FY 1968           | \$ 6,138,000        | BOB Allowance                 | \$ 7,800,000 |
| FY 1969                      | <u>\$ 6,274,000</u> | House Allowance               | \$ 7,410,000 |
|                              | \$12,412,000        | Senate Allowance              | \$ 7,800,000 |
|                              |                     | Conferees Allowance           | \$ 7,566,000 |
|                              |                     | Work Allowance                | \$ 6,274,000 |
|                              |                     | Deferrals                     | \$1,292,000  |

Construction starts which were initiated in FY 1967 were completed in FY 1968. Construction starts were initiated in FY 1968 on the west side of the Inner Harbor Navigation Canal - Floodwall Capping from Hayne Blvd. to Chef Menteur Highway and Almonaster Avenue to Florida Avenue; east side of the Inner Harbor Navigation Canal - Floodwall Capping from Hayne Blvd. to Dwyer Road; Citrus Back Levee - Levee and Floodwall from Inner Harbor Navigation Canal to Paris Road; and Chalmette Levee along Mississippi River Gulf Outlet from Bayou Bienvenue to Bayou Villere.

The Orleans Levee District, under an agreement with us, is accomplishing certain construction which will ultimately be incorporated into the Federal project with credit therefrom applied to the required local contribution on the overall project. The Orleans Levee District has completed "work in kind" in the amount of \$2,250,000 and has in progress projects amounting to \$2,300,000. Included in these categories are:

a. Interim floodwall construction to a grade of 11.5 m.s.l. on sections of the Inner Harbor Navigation Canal (IHNC) south of U. S. Highway 90, and other intermittent levee and road crossing construction on the Canal.

b. Floodwall construction to grades ranging from 14.0 to 15.0 feet m.s.l. on the west side of the IHNC from Florida Avenue to the IHNC lock. Plans and specifications were prepared "in-house" and furnished the Orleans Levee Board in October 1967.

c. Levee raising on the north bank of the MR-GO from the IHNC to Paris Road to a grade of 13 feet m.s.l.

d. Levee raising on the north bank of the MR-GO through the New Orleans East area to a grade of 12 feet m.s.l.

e. Levee raising on the Orleans Parish lakeshore from the IHNC to Jefferson Parish line to a grade of 13 feet m.s.l.

A report on alternative barrier locations was submitted on 13 March 1967 and approved on 15 May 1967. The barrier was divided into three segments for planning purposes. Negotiations with A-E firms for accomplishing preconstruction planning for each segment were completed in late 1967.

A review of the "New Orleans to Venice, La.," project with a view to determining what additional hurricane protection is justified in St. Bernard Parish at this time has resulted in a recommendation that the "Lake Pontchartrain, La. and Vicinity," project be modified, under the discretionary authority of the Chief of Engineers, to provide extension of the Chalmette Area Plan to the vicinity of Caernarvon. This recommendation has been approved by OCE. A request for authority to prepare, by an A-E contract, a supplement to the GDM for the Chalmette Area Plan covering the extension was approved on 8 March 1967, and the A-E was notified to proceed on 19 May 1967. On 7 February 1967, local interests were notified of the approval of the extension and requested to furnish a statement indicating their willingness to provide the additional local contribution involved. By letter dated 13 February 1967, local interests concurred with the modification and gave assurance that the local interest requirement will be carried out. An act of assurance was approved and accepted on behalf of the United States on 6 June 1967.

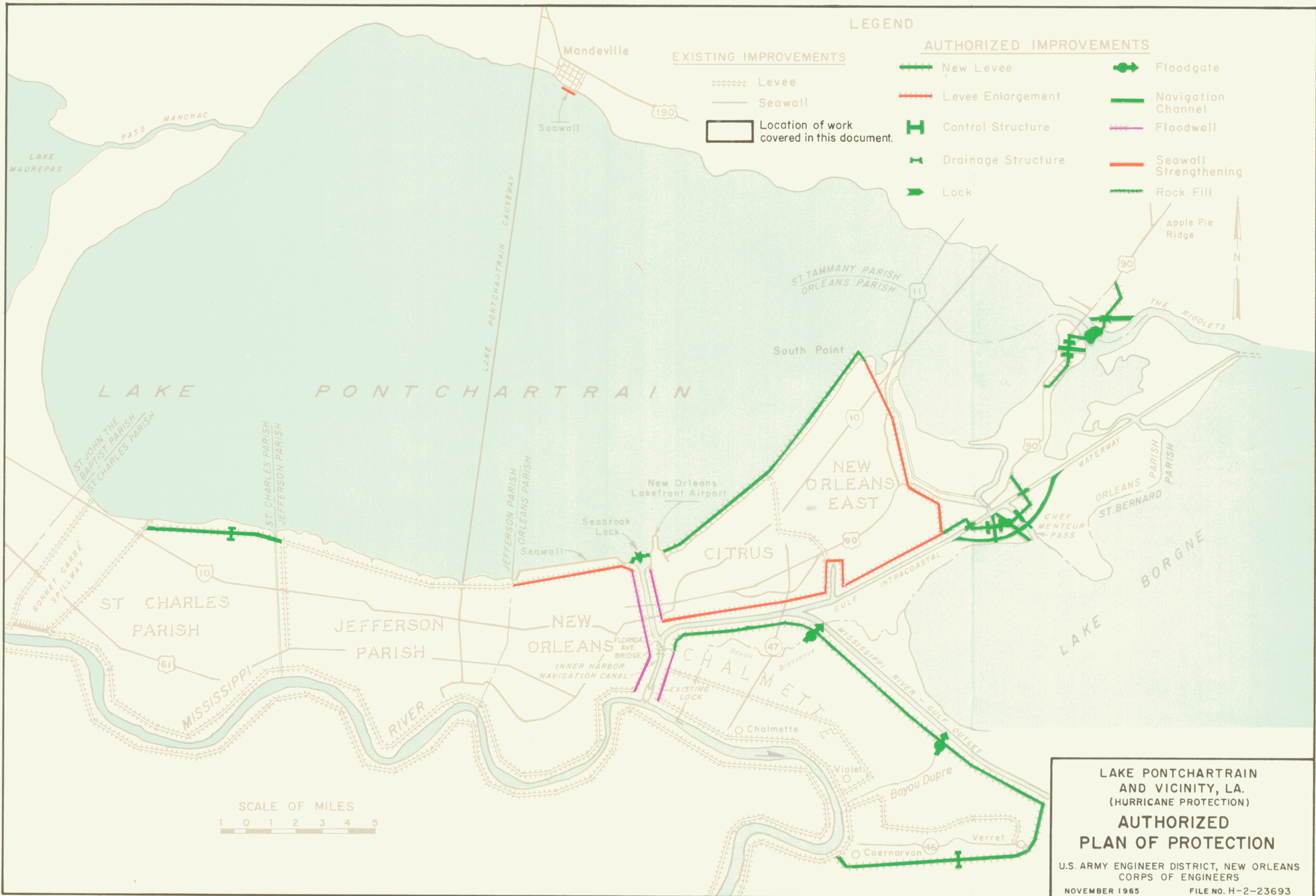
Design memoranda which have been submitted or will be submitted by the end of the current calendar year include:

- a. Sources of Construction Materials, Jun 66
- b. Hydrology and Hydraulic Analysis, Part I, Aug 66
- c. GDM, Chalmette Area Plan, Nov 66
- d. Advance Supplement, IHNC Levees, Mar 67
- e. Hydrology and Hydraulic Analysis, Part II, Jun 67
- f. GDM, Lake Pontchartrain Barrier Plan with Citrus Back Levee,  
Aug 67
- g. Hydrology and Hydraulic Analysis, Part IV, Oct 67
- h. Hydrology and Hydraulics Analysis, Part III, Sep 68
- i. DDM, Bayous Bienvenue and Dupre Control Structures, Jun 68
- j. GDM, Chalmette Extension Levee, Oct 68
- k. GDM, Seabrook Lock, Dec 68

5. COMMENT: The engineering effort required to plan this project, and other projects of the continuing program, plus the new starts for this fiscal year, far exceeds the present in-house engineering capability of the District. The services of A-E firms were used for preparing the GDM and are being used for preparing the DDM for the Chalmette area plan and for preparing GDM's, DDM's, and P&S for the barrier complexes.

6. CONCLUSION: Not applicable.

7. SPECIAL NOTE: Mr. Milton Dupuy, President of the Orleans Levee Board, is concerned about the slow progress on construction of the barrier plan, which stems from the complex nature of the structures and the time factor to develop an adequate design. He strongly objects to spending limited Federal funds in the Chalmette Area Plan particularly in Orleans Parish and has refused to provide R/W. The Chalmette levee in St. Bernard Parish is under construction (1st Lift) over a length of 7.5 miles at an estimated cost of \$1,750,000 which includes about \$500,000 of local funds. Mr. Dupuy will doubtless desire to discuss this with the Chief of Engineers during the Lower Mississippi Valley Flood Control Association Meeting.



LEGEND

EXISTING IMPROVEMENTS

- Levee
- Seawall
- Location of work covered in this document.

AUTHORIZED IMPROVEMENTS

- New Levee
- Levee Enlargement
- Control Structure
- Drainage Structure
- Lock
- Floodgate
- Navigation Channel
- Floodwall
- Seawall Strengthening
- Rock Fill

LAKE PONTCHARTRAIN  
AND VICINITY, LA.  
(HURRICANE PROTECTION)

**AUTHORIZED  
PLAN OF PROTECTION**

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS  
CORPS OF ENGINEERS

NOVEMBER 1965 FILE NO. H-2-23693

REV. OCT. 1968