

_____ JUDLIN

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(A0007124)

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL
LMNED-SP

SUBJECT
GDM Schedule for: 17th St. Outfall Canal, Orleans & Jefferson Parishes, Lake Pont. La. & Vic. Hurricane Protection Project

TO
C/Des Br

FROM
C/Des Svcs Br

DATE
23 Jul 86
Mr. Elmer/pas/2618

CMT 1

1. Reference is made to the following:

- a. LMNED-DD DF dated 17 Jun 86 subject as above (Encl 1).
- b. Engineering Division's letter dated 18 Jun 86 to Mr. Harold J. Gorman of the NOS&WB concerning the status of the GDM work for the subject canal (Encl 2).

2. The purpose of the 18 Jun 86 letter to Mr. Gorman was to address a resolution passed by the NOS&WB and others. That resolution requested that the Corps of Engineers expedite it's GDM schedule on the 17th St. Canal so that the NOS&WB schedule for it's Canal Drainage Improvement Program could be supported. The driving force behind this resolution was and is the East Jefferson Levee Districts' reluctance to commit to participation in the overall parallel plan until there is reasonable assurance that the Federal plan will support the ongoing NOS&WB Canal Drainage Improvement Program.

3. In your 17 Jun 86 DF, you state that Projects Engineering Section stated in the 18 Jun 86 letter to Mr. Gorman that the "NOD would begin the design work for the bridge crossings over the canal in the next few months." A review of the letter to Mr. Gorman (Encl 2) shows that the Chief of Engineering Division (Mr. Chatry) indicated that "two aspects of the Modjeski & Masters plan" for parallel protection "remain to be resolved", these two being the "treatment of the several bridges crossing the 17th St. Canal" and "the need for measures to insure the stability of Pumping Station No. 6". Mr. Chatry went to say that "we", Engineering Division, "see the completion of" the ongoing Modjeski & Masters "studies as the key to advancing the time when reasonable assurance of what the Federal plan will be, can be given. If firm data on the two problem areas referred to previously are forthcoming by 1 August of this year, we believe that we will be able to offer reasonable assurance as to what the selected Federal plan will be by November 1986. While this determination will have to be confirmed through completion and review of the GDM, it should nevertheless provide a basis on which" they, the locals "can proceed with reasonable confidence that confirmation will, in fact, be forthcoming; and it will also provide a basis for reviewing the GDM schedule to determine whether its acceleration is practicable." Mr. Chatry did not commit to advancing the GDM schedule, but did commit Engineering Division to providing a reasonable assurance that we would be able to make a decision on which plan would be the selected Federal plan once we receive firm data on the proposed parallel plan from the locals. If a change in the GDM schedule is necessary with respect to your branch in order for that determination to be made, please inform us so that necessary adjustments in other organizational elements can be made and impacts on other ongoing and

LMNED-SP

CMT 1

SUBJECT: GDM Schedule for: 17th St. Outfall Canal, Orleans & Jefferson
Parishes, Lake Pont. La. & Vic. Hurricane Protection Project

scheduled GDM's on the overall LP&VHPP can be identified.


THOMAS E. HARRINGTON, JR.
Chief, Design Services Branch

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Chief, Design Services Branch

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SUBJECT

CMNED-DD

ADM SCHEDULE FOR: 17TH ST. OUTFALL
CANAL ORLEANS & JEFF PARRISH, LAKE POINT.
LA & VIC HURRICANE PROT. PROJ.

TO

FROM

DATE

CMT 1

C/Des Svcs Br

C/Des Br

17 Jun 86
Mr Romero/2645
Jm

1. Reference is made to a letter from your office to Mr. Harold Gorman of the NOS & WB concerning the status of the ADM work for the subject canal.
2. In the referenced letter, you stated that NOD would begin the design work for the bridge crossings over the canal in the next few months. However, it should be noted that the schedule for Design Branch ADM work does not start until December 1986.
3. It is requested that your office inform us of any changes to the ADM schedule for this work.

WALTER D. JUDLIN, III
Chief, Design Branch #17

Encl 1

June 18, 1986

Engineering Division
Projects Engineering Section

Mr. Harold J. Gorman
Executive Director
Sewerage & Water Board of New Orleans
Room 5W02, City Hall - Civic Center
New Orleans, Louisiana 70165

Dear Mr. Gorman:

Reference is made to your May 21, 1986 letter and the May 14, 1986 Resolution concerning our General Design Memorandum (GDM) on the 17th Street Canal, one part of the Lake Pontchartrain Hurricane Protection Project (High Level Plan).

The current schedule for this project requires that we submit to our Division Office the completed GDM in November 1987. Our GDM will address two alternative plans, a gated structural plan at the lakefront, and a parallel levee plan along the canal, to provide protection against the design hurricane.

We have been coordinating with Modjeski and Masters who has been under contract with both the Levee Board and the Sewerage & Water Board of New Orleans on the 17th Street Canal Project. Based on a preliminary review of their data, the parallel levee plan, designed and constructed to High Level Plan standards, would be cost competitive with the frontline plan. There are, however, two aspects of the Modjeski and Masters plan which remain to be resolved.

The first of these relates to the treatment of the several bridges crossing the 17th St. Canal. Modjeski and Masters proposes flood proofing at the bridges, but does not provide data sufficient for a determination of the adequacy of this approach. We commented to this effect in our letter to the Orleans Levee District dated September 30, 1985. To date there has been no response.

Encl 2

The second problem relates to the need for measures to insure the stability of Pumping Station No. 6 for the differential heads which could obtain with the high level plan. We feel that, in the absence of additional supporting data to the contrary, such measures are required as part of the parallel levees plan. We commented to this effect in the letter referred to above. Again, there has been no response.

We are proceeding with our GDM on the schedule provided to the Orleans Levee District in our September 30, 1985 letter and ^{we} discussed that schedule with, inter alia, Messrs. Sullivan and Bodet of your staff at a meeting on April 18, 1986. We appreciate the importance to you of an early determination of the plan to be adopted for providing hurricane protection along the 17th St. Canal. We are reluctant, however, to make such a determination without the full benefit of your views, and those of the Orleans and East Jefferson Levee Districts. At the outset, we indicated that we would favor the parallel levees plan if it could be demonstrated that that plan could be constructed at a cost comparable to that for the frontline plan. The studies undertaken by Modjeski and Masters were, as we understand it, partly for the purpose of insuring that the costs for the parallel levees plan not be overstated. Thus, we see the completion of those studies as the key to advancing the time when reasonable assurance of what the Federal plan will be, can be given.

If firm data on the two problem areas referred to previously are forthcoming by 1 August of this year, we believe that we will be able to offer reasonable assurance as to what the selected Federal plan will be by November 1986. While this determination will have to be confirmed through completion and review of the GDM, it should nevertheless provide a basis on which you can proceed with reasonable confidence that confirmation will, in fact, be forthcoming; and it will also provide a basis for reviewing the GDM schedule to determine whether its acceleration is practicable.

Sincerely,

Frederic M. Chatry
Chief, Engineering Division

Copies Furnished:

Mr. Arthur R. Theis
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