



DEPARTMENT OF THE ARMY
U.S. Army Corps of Engineers
WASHINGTON, D.C. 20314-1000

Rec'd 17 Jan 88

REPLY TO
ATTENTION OF:

CEEC-EB (335-2-5c)

12 January 1988

MEMORANDUM FOR: Commander, Lower Mississippi Valley Division,
ATTN: CELMV-ED-TD

SUBJECT: Lake Pontchartrain, Louisiana and Vicinity, High Level Plan,
Design Memorandum No.16-General Design, New Orleans East Levee, South Point
to GIWW

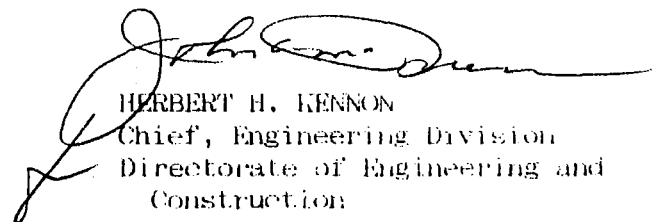
1. Reference letter CELMN-ED-SP, 24 September 1987, subject as above, and CELMV-ED-TD 1st endorsement, 6 November 1987, thereon.
2. The following comments on the subject DM are furnished for appropriate action.
3. Page 4, paragraph 5. The approval of the PAC for the recommended high level plan of protection should be discussed.
4. Page 14, Figure 2. This seismic zone map has been superseded. Consult ER 1110-2-1806 (16 May 1983) for the most current map and guidance.
5. Page 34, paragraph 59. The Fish and Wildlife Resource Mitigation Plan should be discussed.
6. Page 35, paragraph 60.
 - a. Page x, Estimated First Cost Section. The cost sharing components should be revised since the Federal cost is \$9,450,000 and the non-Federal cost is \$4,050,000 (70% and 30% of the \$13,500,000 respectively). The non-Federal cost is comprised of \$2,434,000 in LERR and \$1,616,000 in yearly installments over 25-years in accordance with the WRDA-1974, Section 204. These revisions should be presented in the report with appropriate discussion.
 - b. Pages 37-40, Table 1 and page 45, paragraph 66. The relocations costs on page 35 are incomplete and misleading. The E&D and S&A costs for relocations should be included since they are a 100% non-Federal responsibility.
7. Page 41 and 42, Table 1 and basic letter, paragraph 2d. The basic letter mentions a cultural resources survey was conducted; however, no costs are included in the estimate. Further discussion should be provided.
8. Page 45, paragraph 66. The project economics should be revised to reflect the current price level and discount rate.

CREC-EB

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9. The report includes statements concerning no problems with interior flooding from wave overtopping and from rainfall runoff. The report provides no technical support for these statements and the effectiveness of the interior flood control features are in doubt without this information. ER 1110-2-1150 (Appendix A, paragraph 7) and all of EM 1110-2-1413 provides guidance on the type of information and technical analysis needed to support these statements. Typically residual flooding maps, inflow/out flow hydrographs at outlets, stage volume relations at ponding areas, rating curves of hydraulic controls, etc. are provided along with a discussion of how this information was developed and the logic using this information to support the conclusion. This additional information should be provided for this project.

FOR THE COMMANDER:



HERBERT H. KENNON
Chief, Engineering Division
Directorate of Engineering and
Construction

For Hill
ad

DISPOSITION FORM

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

S: *Harry*

REFERENCE OR OFFICE SYMBOL
LMV ED-TD

SUBJECT *OCE Endorsement*
DM #16 South Point to GIWW
Lake Pont, Hurr. Prot.

SEE DISTRIBUTION

FROM *LMV ED-TD*

DATE *1-19-88*

CMT 1
Burman 5915
Morgan/5928

Please review the enclosed *Endorsement*
and furnish your comments by *29 Jan. 88*.

Encl

Burman
Jr JAMES B. MISKELLEY, JR.
Chief, Design Memorandum and
Relocation Section

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CELMV-PD-F

TO CELMV-ED

FROM CELMV-PD

DATE 29 Jan 88 CMT 2
Walton/ea/5833

1. Comment 5. Reply should state that the Mitigation Plan is ready for release to the public in draft form and will be finalized in the coming year. A brief description of the plan being recommended (Manchac) should be provided as well.
2. Comment 6. Some mention might be made of the fact that the locals will be due a credit for participation in the Mitigation Plan.
3. Comment 7. Reply should be that the mentioned cultural resources survey is a completed one done during the planning phase for the project. Thus, no cost estimate is appropriate as the survey was not a part of the engineering phase of the project.
4. Comment 8. Suggest that the reply include a revised table to reflect current price level and discount rate.

Encl
nc

D. E. LAWHUN, P.E.
Chief, Planning Division