

Jorge Romero

(A0007126)



Robert G. Graves
Secretary

Department of Transportation and Development

7252 LAKESHORE DRIVE
NEW ORLEANS, LOUISIANA 70124-2498



Edwin W. Edwards
Governor

MINUTES OF MEETING

DATE: June 19, 1986 TIME: 10:00 a.m.

LOCATION: Department of Transportation & Development
Bridge City, LA

ATTENDEES: See attached list

SUBJECT: Lake Pontchartrain, Louisiana & Vicinity Hurricane
Protection Project, S&WB- 17th St. Canal (Metairie
Outfall Canal) Orleans and Jefferson Parishes

SUMMARY OF MEETING:

The purpose of the meeting was to discuss the proposed flood protection system for the 17th Street Canal (Metairie Outfall Canal) in Orleans and Jefferson Parishes. The meeting was called by LA DOTD in response to requests by the U.S. Army Corps of Engineers (USCE) to provide them with information concerning LA DOTD's bridge crossings vital to their high level plan formulation.

The High Level Plan for the Lake Pontchartrain, Louisiana and Vicinity Hurricane Protection Project was officially authorized by the USCE February 1985. At present, the USCE is studying two alternatives to provide high level flood protection to this outfall, either raising the levees/floodwalls flanking the canals or providing flood gates (butterfly gates) at the confluence of the canal outfall with Lake Pontchartrain.

New Orleans Sewerage & Water Board has stated that improvements to Drainage Pumping Station No. 6, with an ultimate pumping capacity of 10,400 cfs are expected to be completed within 18-24 months. They have urgently appealed to both the Orleans Levee District and East Jefferson Levee District to issue permits for them to dredge the canal to improve the hydraulic capacity of the channel to accommodate the increased capacity of the pumping station. Their engineering consultant for the proposed outfall channel improvements, Modjeski and Masters, has analyzed the outfall canal with accompanying changes in flanking flood protection system to conform to USCE criteria of the existing barrier authorization, in addition to proposed improvements for the high level authorization. The results of this study are presented in a report by Modjeski and Masters, "A Study of High Level Flood Protection 17th Street Outfall Canal OLB Project No. 2043-0222" prepared for the Orleans Levee Board.

MINUTES OF MEETING
JUNE 19, 1986
17TH ST. CANAL

Page 2

The recommended plan as presented in the report was as follows:

- 1) dredge the outfall canal to required section,
- 2) degrade existing levees to provide stability,
- 3) raise the sheet pile floodwalls with accompanying increases in section modulus and pile lengths,
- 4) have LA DOTD seal the Hammond Highway Bridge,
- 5) provide flood gates across Veterans Highway,
- 6) seal the I-10/I-610 Highway Bridges (unwidened),
- 7) provide floodgates across Southern Railway (one track).

No dredging would be performed under the bridges, but existing channel bottoms would be lined with concrete block mats. Channel excavation ranging from 6' to 9' is planned for reaches between bridge crossings. Hydraulic grade lines of the canal were presented by both Modjeski and Masters and the USCE showing that all bridge decks (except I-610) are below the grade line for SPH tide with superposition of 7000 cfs of drainage discharge.

N.O. S&WB would bear all cost of dredging and restoration of the flood protection to the existing level of protection, at an estimated cost of \$13,853,000. The cost of increasing flood protection to high level requirements as proposed is estimated at \$8,790,950 to Orleans Levee Board and was indicated to be the same for the East Jefferson Levee District. The Orleans Levee Board has indicated a desire to proceed with this improvement at their expense depending on a definitive answer regarding federal creditability of the work. Both levee boards, N.O. S&WB and Jefferson Parish Council have all passed resolutions for the USCE to expedite their design of the 17th Street Outfall Canal Protection to provide an answer prior to their planned date of November 1987. All parties have indicated that they favor providing parallel protection as opposed to the butterfly gated structure, so as to render the pumping station operable (7000 cfs) under SPH conditions.

MINUTES OF MEETING
JUNE 19, 1986
17TH ST. CANAL

Page 3

The USCE has not yet approved the Modjeski and Masters design as presented in the report, requiring further information to effectively analyze the bridge solutions, who will bear the costs, and decisions regarding flood protection of Pumping Station No. 6.

Mr. Neil Wagoner and other LA DOTD staff stated that dredging each side of the I-10/I-610 crossing, with the revetted plugs, are not acceptable. Permanence of the plug under pumping conditions is questionable and the pile lengths beneath I-10 are too short for stability under the dredged condition. Deterioration of the roadway deck is prevalent now and deck replacement must be done. Anchorage of the bridge structure from floatation and sealing of the bridge is totally unacceptable to LA DOTD. A planned widening for additional traffic lanes to I-10 is presently being considered. Mr. Wagoner stated that he will raise the I-10/I-610 crossing to accommodate the High Level project at the minimal elevation required for water surface clearance at his department's expense, at an estimated cost of \$25- \$30 million. The estimated time for completion of this improvement to accommodate traffic re-routing and roadway widening would be approximately five (5) years.

The Hammond Highway crossing is a much higher elevation crossing and is presently planned for widening and deck sealing. No definite decision has been made for this crossing but Mr. Wagoner indicated that a possible relocation of this bridge to a new alignment with West Esplanade Ave. was being considered.

The Veterans Highway Bridge was built by LA DOTD , but is now under the jurisdiction of Jefferson Parish is too low and is planned for floodgates. Sealing does not seem to be a viable alternative, however Mr. Juan Gutierrez of Jefferson Parish Dept. of Public Works, indicated that the parish will not participate financially in the solution for this crossing. Mr. Walter Baudier, engineering consultant representing the Orleans Levee Board has indicated that the Board does not approve of floodgates for Veterans Highway.

MINUTES OF MEETING
JUNE 19, 1986
17TH ST. CANAL

Page 4

Mr. Frank Renaudin of East Jefferson Levee District has indicated the Board's willingness to provide high level protection to the east bank of Jefferson Parish, but the Board lacks the financial capability at present. Mr. Arthur Theis, LADOTD Deputy Chief Engineer has advised the East Jefferson Levee Board to await finalization and complete approval of the General Design Memorandum (GDM), including all costs to local assurers, for the complete East Jefferson Project covering the 17th Street Canal, Lakefront Levee and Jefferson-St. Charles West Return Levee. Finalization of this design has not been completed and re-design is underway. The East Jefferson Levee District must have this information to go to the voters for a tax referendum to fund the project.

Orleans Levee Board passed a \$50 million bond issue in 1984 in anticipation of funding the high level plan, their GDM was completed by the USCE in November 1984.

The USCE has indicated that if all requested information regarding the bridge requirements and flood proofing Pump Station No. 6 are received by August 1, 1986, they could tentatively formalize their 17th Street Canal design by November 1986 and the entire East Jefferson Plan by March 1987.

John Evanco, P.E.
District Administrator



Geneva P. Grille, P.E.
District Design, Water Resources
& Development Engineer

Enclosures: List of Attendees; Agenda

Distribution: All Attendees
Mr. Roy Mitchell
Mr. Verdi Adam
Mr. Charles Higgins
Mr. Pete Russo
Mr. Larry Langenstein



Robert G. Graves
Secretary

Department of Transportation and Development

P. O. BOX 9179
BRIDGE CITY, LA. 70094



Edwin W. Edwards
Governor

DATE OF MEETING JUNE 19, 1986

LOCATION LA. DOTD DISTRICT 02 HDQTS.

BRIDGE CITY, LA.

SUBJECT: LAKE PONTCHARTRAIN LOUISIANA, & VICINITY HURRICANE PROTECTION PROJECT

S & W.B.-17th ST. CANAL (METAIRIE OUTFALL CANAL) ORLEANS AND JEFFERSON PARISH

AGENDA

1. Introduction & Purpose - G. Grille
2. Introduction of Attendees
3. Presentation by W&WB and Modjeski and Masters, Larry Bodet, Civil Engr. III, Barney Martin, Consultant Engr.
4. Presentation by USCE, Mr. Vann Stutts, Project Manager, Mr. Ron Elmer, Project Engineer
5. Remarks by Orleans Levee Board
6. Remarks by East Jefferson Levee District
7. Remarks by Jefferson Parish Dept. of Public Works - Mike Lavelle - Director
8. Remarks by DOTD District-John Evanco, District Administrator
9. Remarks by DOTD Hdqts.-Neil Wagoner, Ass't Sec. Office of Highways
10. General Comments-Arthur Theis, DOTD Deputy Chief Engineer



Department of Transportation and Development

P. O. BOX 44155 CAPITOL STATION
BATON ROUGE, LA. 70804



Robert G. Graves
Secretary

Edwin W. Edwards
Governor

DATE OF MEETING JUNE 19, 1986

LOCATION LA, DOTD DISTRICT 02 HDQTS
BRIDGE CITY, LA

SUBJECT LAKE PONTCHARTRAIN LOUISIANA, & VICINITY HURRICANE PROTECTION PROJECT

S&W.B. - 17th ST. CANAL (METAIRIE OUTFALL CANAL) ORLEANS AND JEFFERSON PARISH

<u>NAME</u>	<u>ORGANIZATION</u>	<u>TELEPHONE NO.</u>
<u>Frank Riquelme</u>	<u>E. J. Levee Dist</u>	<u>733-0087</u>
<u>Adam Smith</u>	<u>Corps of Engineers</u>	<u>862-2614</u>
<u>Ronald R. Elmer</u>	<u>Corps of Engineers</u>	<u>862-2618</u>
<u>Arthur Laurent</u>	<u>" " "</u>	<u>862-2423</u>
<u>George A. Romero</u>	<u>" " "</u>	<u>862-2645</u>
<u>MARTHA L. STERNITZKE</u>	<u>MONTESKI & MASTERS</u>	<u>524-4344</u>
<u>WF Middleton</u>	<u>JEFF LEVEE DIST</u>	<u>733-0087</u>
<u>ALAN FRANCIGGUES</u>	<u>ORLEANS LEVEE BD</u>	<u>246-4000</u>
<u>W.T. TAYLOR, JR.</u>	<u>LA DOTD</u>	<u>436-9100</u>
<u>John E. Evanco</u>	<u>LA DOTD</u>	<u>436-9100</u>
<u>Barney T. Mertin</u>	<u>Monteski & Masters</u>	<u>524-4344</u>
<u>Narvein Ghara</u>	<u>LA DOTD</u>	<u>379-1324</u>
<u>Louis A. Garrido</u>	<u>La. DOTD</u>	<u>379-1302</u>
<u>Lawrence B. Bower</u>	<u>S&WB</u>	<u>586-4547</u>
<u>NEIL WAGONER</u>	<u>LA DOTD</u>	<u>379-1238</u>
<u>W Conway</u>	<u>Monteski & Masters</u>	<u>524-4344</u>
<u>ART THEIS</u>	<u>LA DOTD</u>	<u>379-1244</u>
<u>Mareva Gille</u>	<u>LA DOTD - N.O.</u>	<u>283-3418</u>
<u>Robert Roth</u>	<u>DOTD - 02</u>	<u>436-9100</u>
<u>Thomas M. Smith</u>	<u>DESIGN ENGINEERING</u>	<u>836-2155</u>
<u>Walter Boudier</u>	<u>Design Engineering</u>	<u>836-2155</u>
<u>JUAN GOTIERREZ</u>	<u>Jeff Parish Public Works</u>	<u>340-5201</u>
<u>GAN V. BUI</u>	<u>GRAM</u>	<u>DITTO</u>
	<u>DITTO</u>	