(2000) KELLER/2344

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MEMORANDUM FOR Commander, U.S. Army Engineer Division, Mississippi Valley, ATTN: CEMVD-ET-C

SUBJECT: Annual Inspection of Completed Works Program

In accordance with ER 1150-2-301, ER 1130-2-339, and DIVR 1130-2-304, the following report (Eng Form 4390-R) is submitted herewith for maintenance performance by local interests for all features originally authorized under the Mississippi River and Tributaries Project and under Construction General. Included also are inspection reports for New Orleans District projects.

/s/ Julich

THOMAS F. JULICH
Colonel, EN
Commanding

2 Encls
1. Rept, MR&T Levees and Small Flood Control Projects
2. Rept, Completed Eng Form 4390-R

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2000 Annual Inspection for Maintenance of Completed MR&T Flood Control Works in the New Orleans District

1. The 2000 inspections of FCMR&T levees, floodwalls, and drainage structures operated and maintained by local interests were conducted during the period 15 September through 29 November 2000.

2. All inspections were conducted by the District Commander and/or his Deputy, appropriate members of Operations Division, Engineering Division, Construction Division, Planning, Programs, and Project Management, the Louisiana Department of Transportation and Development (LA DOTD), and Levee Board Commissioners and their staff.

3. Comments on the condition of levees, of maintenance performed by local interests during the year, and our ratings are as follows:

a. **EAST JEFFERSON LEVEE DISTRICT**

This district is responsible for maintaining 11.6 miles of levee on the east bank of the Mississippi River and 17.5 miles of hurricane protection levees and floodwalls along and adjacent to Lake Pontchartrain, within Jefferson Parish.

The river levee, hurricane protection levees, and floodwalls were inspected on 13 October 2000. The only remaining river levee work in this district is 0.8 miles in the Jefferson Heights area and it is scheduled for FY 03. The deficiencies are minor (1 to 2 feet) and are considered low priority since they are within freeboard. The remaining hurricane protection work in Jefferson Parish consists of lakefront levee enlargements; floodproofing of the Hammond Highway bridge crossing the 17th St. Canal; completion of the lakefront landside drainage system; and construction of fronting protection at the pump stations. Project completion in Jefferson Parish is scheduled for 2013. Contracts under construction include levee enlargements in Reach 2 and Reach 3; fronting protection at pump station no. 6; and breakwaters at pump station nos. 2 and 3. In FY 01, we are scheduled to award a contract to enlarge the Reach 5 levee and to commence floodproofing of the Hammond Highway Bridge. The levees and floodwalls were exceptionally well maintained. An OUTSTANDING rating is assigned.

b. **ORLEANS LEVEE DISTRICT**

This district is responsible for maintaining 128.7 miles of levees and floodwalls in Orleans Parish; 13.2 miles on the east bank of the Mississippi River and 14.3 miles on the west bank, and 101.2 miles of hurricane protection along the shore of Lake Pontchartrain and canals connected thereto.

The mainline river levees and floodwalls were inspected on 9 November 2000, and the hurricane protection levees were inspected on 2 June 2000. Both flood protection systems were in exceptional condition. There are still 2.3 miles of MR&T flood protection work remaining in this district. The remaining work is on the east bank of the Mississippi River and consists of the Carrollton levee (1.9 miles) and the New Orleans District floodwall Phase I (0.4 miles). These items are considered low priority and are scheduled at the end of the project.

Hurricane flood protection work in Orleans Parish is about 90% complete, with the remaining major construction being the parallel protection along 17th St., London Avenue and Orleans Avenue canals, and the sealed bridges crossing those canals. That work is scheduled to be complete by 2003.

In FY 00, we completed construction for the Orleans Marina Sluice Gates contract and floodproofing of the Leon C. Simon bridge over the London Avenue Canal, and the Harrison and Filmore bridges over the Orleans Avenue Canal. Orleans Levee District completed construction of the Hwy 90 floodgate, and we anticipate completing the contracts for fronting protection at pump station no. 4 and floodproofing of the Gentilly Bridge over the London Avenue Canal. In addition, construction is continuing on providing fronting protection at pump station no. 6 on the 17th St. Canal. We have also awarded a contract for the floodproofing of the Robert E. Lee bridge over the Orleans Avenue Canal.

In FY 01, we will complete the contract for fronting protection at pump station no. 6 on the 17th St. Canal and continue work on the contract for floodproofing of the Robert E. Lee bridge over the Orleans Avenue Canal. If capability funds are made available, we are scheduled to initiate contracts for fronting protection at pump station no. 3 on the London Avenue

Canal and pump station no. 7 on the Orleans Avenue Canal, floodproofing of the Hammond Hwy over the 17th St. Canal, and floodproofing of the Mirabeau and Filmore bridges over the London Avenue Canal. An OUTSTANDING rating is assigned.

c. **RED RIVER, ATCHAFALAYA and BAYOU BOEUF LEVEE DISTRICT**

The levee system within MVN consists of the Mansura Hills to Hamburg levee (20.1 miles), Bayou des Glaises fuse plug levee (8.1 miles), Right descending Atchafalaya River levee, including ring levees at Simmesport, Melville, and Krotz Springs (48.6 miles), and a portion of the west Atchafalaya Basin protection levee from Hamburg to the Bayou Courtableau control structure (35.3 miles). All 112.1 miles of levee within MVN's jurisdiction have been completed; however, recent profile information indicates that portions of the Krotz Springs and Melville Front and Ring Levees have grade deficiencies, along with the Bayou Des Glaises Fuse Plug Levee and gaps in the West Atchafalaya River Levee. Surveys have been initiated at Krotz Springs, which is the first item currently scheduled for award in April 2002. Melville is scheduled for Jan 2003, while the other items are scheduled much later (FY06 and FY08).

The inspection was conducted on 5 October 2000, and the levees, cattle guards, and fence lines were all well maintained. There were two earthen levee ramp crossings that were deficient and in need of maintenance work. Although the ramps were deficient, they did not pose a threat to the integrity of the levee. The levee district advised us that they will take action to restore the ramps. An OUTSTANDING rating is assigned.

d. **FIFTH LOUISIANA LEVEE DISTRICT**

The levee system within MVN consists only of the right descending Mississippi River levee (16.8 miles) between Black Hawk, LA, and the Concordia-West Feliciana Parish boundary line just above Old River lock. They are also responsible for 338 miles of levees in MVK.

The inspection was conducted on 6 October 2000, and the levee was well maintained. There is one remaining contract for 3.5 miles of levee construction in this levee district. The

awarding of the last contract had been delayed from FY 96 to FY 03 due to funding restraints, relatively minor grade deficiency, and the uncertainty of the availability of borrow material. However, the contract has since been moved up to this fiscal year and is scheduled for award in the first quarter of 2001. This is pending clearance of right-of-entry and completion of a new levee survey, which was necessitated by current Louisiana Department of Transportation work adjacent to the levee berm. Deficiencies are minor (2.5 feet) and are considered low priority since they are within the allowable freeboard. An OUTSTANDING rating is assigned.

e. **WEST JEFFERSON LEVEE DISTRICT**

This district is responsible for maintaining 20.2 miles of levee on the west bank of the Mississippi River and 40 miles of back levees, which are being upgraded under the West Bank Hurricane Protection Project, in Jefferson Parish.

The mainline river levee was inspected on 15 September 2000. The river levee and floodwall segments were in excellent condition. All construction work on the Mississippi River in this district has been completed. An OUTSTANDING rating is assigned.

f. **LAFOURCHE BASIN LEVEE DISTRICT**

This district is responsible for maintaining 61.7 miles of levee on the westbank of the Mississippi River between Donaldsonville, LA, and the Jefferson-St. Charles Parish line.

The levee was inspected on 17 October 2000, and was found to be in excellent condition. All work in this district has been completed except for two gap closures. The deficiencies are minor since they are within the allowable freeboard. However, contracts are expected to be awarded in FY01 and FY02 to close these gaps. An OUTSTANDING rating is assigned.

g. **ATCHAFALAYA BASIN LEVEE DISTRICT**

The levee system consists of the following reaches of river and floodway levees:

Levee along the south and west banks of lower Old River and the right descending Mississippi River levees from Barbre Landing in Pointe Coupee Parish to Bayou Lafourche at Donaldsonville, Ascension Parish (length is 119 miles, including 1.2 miles of spur dikes and the 3,906-foot length of the Morganza control structure) the upper Morganza floodway levee (length is 12.0 miles including 3.0 miles which are a part of the mainline levee at Morganza control structure); the lower Morganza floodway levee and the east Atchafalaya Basin protection levee extending from the west Mississippi River levee at Morganza, along the east side of the Atchafalaya Basin to a point approximately 6 miles south of Morgan City, in St. Mary Parish (length is 92.6 miles, of which 5.8 miles are maintained by the City of Morgan City and St. Mary Parish); the west Atchafalaya Basin protection levee from Bayou Courtableau in St. Landry Parish along the west side of the Atchafalaya Basin to the Gulf Intracoastal Waterway below Berwick, in St. Mary Parish (length is 92.6 miles, of which 4.9 miles below the lower Atchafalaya River are maintained by the Town of Berwick and St. Mary Parish); the left descending Atchafalaya River levee from Barbre Landing in Pointe Coupee Parish to a point about 1.5 miles above the head of Whiskey Bay Pilot Channel in St. Martin Parish (length is 51.1 miles); the right descending Atchafalaya River levee from Bayou Courtableau in St. Landry Parish to a point below Butte Larose settlement in St. Martin Parish (length is 18.0 miles); total length of levees in the district is 387.0 miles.

The levee inspection was conducted on 24 and 25 October 2000. Reveille to Point Pleasant was the only Mississippi River levee contract ongoing, and it consists of 2.6 miles of levee construction. There are no contracts scheduled to be awarded in FY 01, however, there are two scheduled to be awarded in FY02, Alhambra to Hohen Solms, 1.8 miles; and Hohen Solms to Modeste, 1.8 miles. It should be noted that the New Orleans District is currently conducting archeological investigations of the Braziel Baptist Church cemetery that was discovered partially buried under the Mississippi River levee and batture within the Alhambra-Modeste reach. Human remains and caskets have been recovered. The New Orleans District will continue investigating and is preparing a course of action based upon their findings.

There were no contracts awarded in FY 00 within the Atchafalaya Basin that are within the jurisdiction of the Atchafalaya Basin Levee District. However, we are scheduled to perform levee enlargement work in the area of W46/64 of the West Atchafalaya Basin Protection Levee in FY 01. The levees and floodwalls were well maintained. An OUTSTANDING rating is assigned.

h. **MORGAN CITY**

The protection system north of the Southern Pacific Railroad is known as "Morgan City Front", which consists of 213 feet of earthern levee, 1.3 miles of concrete floodwall, a pumping station and 1600 feet of storm drainage facilities; south of the railroad is known as "Tiger Island", which consists of 1.6 miles of levee, 2,000 feet of concrete floodwall, a pumping station, and 2,500 feet of storm drainage facilities. Morgan City's flood protection and maintenance responsibilities also extends north beyond the "Morgan City Front" area to include the east Atchafalaya Basin protection levee up to the Morgan City corporate limits, which correlates with approximate east Atchafalaya Basin protection levee station 2276+30.3.

The inspection was conducted on 25 October 2000. There were no significant maintenance deficiencies noted. A SATISFACTORY rating is assigned.

i. **TOWN OF BERWICK**

The protection system consists of 1.6 miles of levee, 0.9 mile of concrete floodwall, and a gated drainage structure to provide protection for a 32-inch storm sewer passing through the floodwall.

The inspection was conducted on 25 October 2000. In FY 00, levee enlargement work on W123 of the West Atchafalaya Basin Protection Levee (0.9 mile) was completed in October. There were no significant maintenance deficiencies noted. A SATISFACTORY rating is assigned.

LOCAL PROTECTION PROJECTS (Local Maintenance Responsibility) CONSIDERED DEFICIENT AS OF DECEMBER 2000

(ER 1130-2-339)

REPORTS CONTROL SYMBOL (DAEN-CWO-10)

PROJECT	READINESS FOR FLOOD EMERGENCY	LOCAL MAINTENANCE PROGRAM	DEFICIENT IN MAINTENANCE OF									DEFICIENT IN CONTROL OF							LOCAL INTEREST NOTIFIED OF EXISTING DEFN.	ESTIMATED COST		REMARKS
			FLOODWALLS	~~LEVEE~~ SAND DUNE SECTION AND GRADE	LEVEE CROWN ROADWAYS & GATES	REVETTED AREAS	DRAINAGE STRUCTURES	PUMPING PLANTS	PONDING AREAS	CHANNELS & FLOODWAYS	CLOSURE STRUCTURES	ENCROACHMENT & TRESPASS	WILD GROWTH	BURROWING ANIMALS	GRAZING	BEACH MAINTENANCE				RESTORING PROJECT TO SATISFACTORY CONDITION ($000's)	ANNUAL MAINTENANCE ($000's)	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
TOWN OF GRAND ISLE	✓	✓		✓								✓				✓			✓		5,300	SEE SUBPARAGRAPH "F" OF THE INSPECTION REPORT

ENG FORM 1 JUL 73 4390-R REPLACES ENG FORM 4390-R(Test) WHICH IS OBSOLETE.

ENCL 2

LOCAL PROTECTION PROJECTS (Local Maintenance Responsibility) CONSIDERED DEFICIENT AS OF DECEMBER 2000

(ER 1130-2-339)

REPORTS CONTROL SYMBOL (DAEN-CWO-40)

PROJECT	READINESS FOR FLOOD EMERGENCY	LOCAL MAINTENANCE PROGRAM	DEFICIENT IN MAINTENANCE OF									DEFICIENT IN CONTROL OF								ESTIMATED COST		REMARKS
			FLOODWALLS	~~SAND DUNE~~ LEVEE SECTION AND GRADE	LEVEE CROWN ROADWAYS & GATES	REVETTED AREAS	DRAINAGE STRUCTURES	PUMPING PLANTS	PONDING AREAS	CHANNELS & FLOODWAYS	CLOSURE STRUCTURES	ENCROACHMENT & TRESPASS	WILD GROWTH	BURROWING ANIMALS	GRAZING	BEACH MAINTENANCE			LOCAL INTEREST NOTIFIED OF EXISTING DEFN.	RESTORING PROJECT TO SATISFACTORY CONDITION ($000's)	ANNUAL MAINTENANCE ($000's)	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
TOWN OF GRAND ISLE	✓	✓		✓								✓				✓			✓		5,300	SEE SUBPARAGRAPH "r" OF THE INSPECTION REPORT

ENG FORM 4390-R 1 JUL 73 REPLACES ENG FORM 4390-R(Test) WHICH IS OBSOLETE.