

Drainage Financial Plan and Budget Recommendations

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East Ascension Consolidated Gravity Drainage District No. 1 Commission*

Capital Improvement Program

● CIP Projects:

- Henderson Bayou Watershed Improvements
- Marvin Braud Pumping Station Pump Addition
- **Laurel Ridge Existing Levee Restoration**
- Muddy Creek Road & Bridge Elevation
- **Marvin Braud Pumping Station Enclosure**
- Spanish Lake Basin Improvements
- Laurel Ridge Levee Extension to Lake Villar
- Bayou Conway/Panama Canal Basin Projects
- Equalizing Structure Under La 22
- **LSU Hydrologic Study of East Ascension**
- **Survey Benchmark Program**
- **Note: Color Indicates Competed or Committed**

CIP Projects Funding

□ CIP Program Needs:

□ Total Funding Needs = \$160,643,093

□ Total Funds Available = \$74,418,990

□ Bonds = \$65,418,990

□ Operations Rev. Fund Balance = \$9,000,000

Henderson Bayou Watershed Improvements

● Scope of Project:

- Construct Pumping Station and Flood Control Structure on Henderson Bayou @ Lake Villar
- Pumping Capacity = 1000 CFS
- Flood Protection Elevation = 14 FT
- Total Estimated Cost = \$31,200,000
- Budgeted Funding % = 100%
- Time Line & % Complete Per Year
 - 2008 = 7%
 - 2009 = 12%
 - 2010 = 29%
 - 2011 = 89%
 - 2012 = 100%

Marvin Braud Pumping Station Capacity Project

• Scope of Project:

- Addition of (1) 1000CFS Pump
- Addition of Extra Bay for Future Pump
- Addition of Crew Quarters
- Total Estimated Cost = \$15,245,500
- Budgeted Funding % = 100%
- Timeline and % Complete Per Year
 - 2008 = 3%
 - 2009 = 13%
 - 2010 = 33%
 - 2011 = 63%
 - 2012 = 100%

Laurel Ridge Existing Levee Restoration & Upgrade

- **Scope of Project:**
 - Widen Base, Stabilize Slopes
 - Elevate Levee to 14 Feet
 - Total Estimated Cost = \$3,761,195
 - Budgeted Funding % = 100%
 - Budgeted Funding & % Complete per year
 - 2008 = 6%
 - 2009 = 46%
 - 2010 = 100%
 - Status – Construction by Drainage Personnel in Progress

Muddy Creek Road & Bridge Elevation

- Scope of Project:

- Purpose – Provide Access During Floods
- Elevate Bridge
- Elevate Road Approaches at Bridge
- Total Estimated Cost = \$5,250,000
- Budgeted Funding % = 100%
- Time Line & % Complete Per Year
 - 2008 = 6%
 - 2009 = 10%
 - 2010 = 33%
 - 2011 = 100%

Marvin Braud Pumping Station Enclosure

● Scope of Project:

- Construct Metal Building Enclosure of Pumping Station
- Total Cost = \$1,960,770
- Low Bid = \$1,670,000
- Budgeted Funding % = 100%
- Notice to Proceed May 6, 2009
- Time Line & % Complete Per Year
 - 2008 = 5%
 - 2009 = 56%
 - 2010 = 100%

Spanish Lake Basin Improvements

● Scope of Project

- Cost Share with PLD for Improvements to drainage basin
- PLD (Pontchartrain Levee District) currently contracting Shaw Group for flood protection project that will benefit three parish area utilizing this basin
- Total Estimated Cost = Undetermined till completion of study
- Budgeted Funding = \$1,500,000 for future cost share
 - 2010 = \$500,000
 - 2011 = \$500,000

Laurel Ridge Levee Extension to Lake Villar

- Scope of Project:
 - Provide levee protection from back water flooding of Amite River
 - Levee extension from existing LRL to Lake Villar
 - Flood Protection Elevation = 14 FT
 - Total Estimated Cost = \$80,000,000
 - Budgeted Funding % = 1% for some preliminary Eng.
 - Time Line & % Complete Per Year
 - Undetermined due lack of funding

BAYOU CONWAY/PANAMA CANAL BASIN PROJECTS

● Scope of Project:

- Drainage Improvements to the basin
- Improvements to be determined by joint funding of analysis by PLD and EACGDD
- Total Estimated Cost of Project = \$20,000,000
- Budgeted Funding = \$302,575(50/50 Cost Share)
- Budgeted Funding % = 2%
- Time Line & % Complete Per Year
 - 2009 = 50% of Analysis
 - 2010 = 100% of Analysis

Equalizing Structure Under La 22

- Scope of Project:
 - Construct drainage structure under La 22 north of Laurel Ridge Levee to provide for the equalization of flood waters
 - Total Cost of Project = \$1,500,000
Estimated
 - Budgeted Funding % = 100%
 - Time Line & % Complete Per Year
 - 2010 = 50%
 - 2011 = 50%

Other Projects Funded from CIP Funds

- US Corps of Engineers Benchmark Project
- LSU Hydrologic Study & Drainage Plan
- URS Corporation Engineering Review Agent

US Army Corps of Engineers Benchmark Project

- Survey Benchmarks placed throughout the Parish
- Cost Shared Between DPW, Planning Dept. and Drainage Department & USACE
- Total Cost to Drainage - \$100,000
- Project Status – Complete

LSU Hydrologic Study & Drainage Plan Review

- LSU Graduate Engineering Students Under the Supervision of Professor:
 - Reviewed Past Drainage Plans
 - Reviewed Past and Current Hydrologic and Hydraulic Drainage Models
 - Formulating Comprehensive Hydrologic & Hydraulic Model of EA Drainage District for Submission to USACE and FEMA for Flood Maps Review
 - Contract Encumbrance = \$176,940
 - \$133,276 Expended from CIP Funds
 - Remainder Paid from Operations Funds
 - Status = 70% - Final Report Due September 2009

URS Corporation

- URS Corporation was the Review Agent Engineering Firm for the Parish and the District in 2008
- CIP Funds Paid for the Review of Initial Engineering Submittals in 2008
- Total Compensation = \$5,265.49

TOTAL CIP EXPENDITURES PER YEAR

● Total Funds Available	\$65,438,990
● Est. Expenditures Per Year	
• FY 2008	\$4,073,265
• FY 2009	\$6,199,974
• FY 2010	\$13,872,971
• FY 2011	\$28,139,355
• FY 2012	<u>\$9,489,052</u>
• Total	\$61,774,617
● Ending Fund Balance	\$3,664,373

CAPITAL IMPROVEMENT PROGRAM FUNDING TOTALS

- Total Program Funding Requirements
 - \$160,643,093
- Total Available Funds
 - \$65,438,990
- Funding Shortfall
 - **\$95,204,103**