



## Orleans Levee District

### OFFICE MEMO

DATE: December 8, 2009  
TO: Commissioner Louis Wittie  
FROM: Gerard J. Gillen III, P. E. *GJG*  
OLD Director of Hurricane and Flood Protection  
RE: O.L.D. Monthly Status of Activities

**A USACE Projects**

- IHNC – Overall design of the entire structure is 80% complete and major construction activities are in progress.
- IHNC - Construction progress as of December 7, 2009:
  - Shaw Global has 400-36" steel batter piles fabricated. Has driven 302 of 638 steel batter piles.
  - Has fabricated all 2554 18" closure piles with 2132 installed and grouted in place.
  - Has cast 118 of 337 precast Floodwall caps and 65 have been set in place.
  - Has placed 288 feet of parapet wall.
  - The GIWW barge bypass gate is 100% dewatered and rebar placement for sill is ongoing.
  - The GIWW Sector Gate steel piles have been ordered.
  - Bayou Bienvenue is closed to all navigation traffic due to vertical lift gate construction.
- Additional Schedule:
  - November 13 – Start Cast in Place Parapet Wall
  - December 11 – Place First Section of Concrete Sill at GIWW Bypass
  - December 14 – Start South T wall Cofferdam
  - December 21 – Start GIWW Barge Gate Fabrication
  - December 21 – Demo Existing Levee I Wall and Start North T Wall Monolith
  - January 20 – Complete Concrete Sill at GIWW Bypass
  - February 4 – Closure Pile Installation at Floodwall Complete

- Permanent Pump Station Report has been sent to Corps in D.C., approved report was sent to Congress (ASA) on January 15, 2009. Final report submitted on February 26, 2009. CPRA is reviewing request for survey/investigations for permit requirements. USACE RFP Phase 1 scope of work and selection criteria are being developed.
- Orleans Parish Metro (LPV-101-104) and New Orleans East (LPV 105-113) 100 year protection current milestones:

LPV 101.02 - Lakefront Levee - Contract awarded (\$33,250,205) and Construction 1% complete. A contract mod is being negotiated with contractor for utility relocations. Estimate cost to OLD is \$387,791.

LPV 102 - Lakefront Levee - Complete. (\$1,203,368.24)

LPV 103 - Lakefront Levee - Complete.

LPV 103.01 A1 - Bayou St. John - Contract awarded (\$10,167,659) Construction 3% complete. A contract mod is being negotiated with contractor for dewatering sector gate for USACE inspection and OLD maintenance cycle work.

LPV 103.01 A2 - Rail Street and Lake Terrace Floodgates - 65% plans & specs complete January 10, 2010

LPV104 - Lakefront Levee - Complete

LPV 104.01A - Ramp Crossings - Awarded (\$14,071,118.00) Construction 0% complete.

LPV 104.02 - Seabrook West side IHNC new "T" wall - Plans and specs complete December 3, 2009.

LPV 105.01 - Lakefront Airport East T-wall - Plans and specs complete December 11, 2009. A contract mod will be negotiated with future contractor for utility relocations. Estimate cost to OLD is \$63,407.00 .

LPV 105.02 - Lakefront Airport T-wall West - Plans and specs complete December 11, 2009. A contract mod will be negotiated with future contractor for utility relocations. Estimate cost to OLD is \$621,590.60.

LPV 106 - Citrus Lakefront Levee - Plans and specs complete December 4, 2009.

LPV 107 - Lincoln Beach Floodgate - Plans and specs complete January 4, 2010. A contract mod will be negotiated with future contractor for utility relocations. Estimate cost to OLD is \$173,923 .

LPV 108 - New Orleans East Lakefront Levee - Complete.

LPV 108 - Collins Pipeline - Construction 79% complete.

LPV 109.02a - New Orleans East Levee - Plans and specs complete December 17, 2009

LPV 109.02a1 - New Orleans East Levee Wick Drain Test Section - Construction 95% complete.

LPV 109.02a2 - New Orleans East Levee Drainage Blanket - Construction awarded. Complete May 5, 2010.

LPV 109.02b - I-10 Crossing - Plans and specs complete December 15, 2009

LPV 109.02c - New Orleans East Levee - Plans and Specs complete December 17, 2009 - Joint w/109.02a.

LPV 110 - CSX Railroad Crossing - Plans and Specs complete December 15, 2009.

LPV 111.01 - New Orleans East Back Levee - E/CI contract. Various work packages.

LPV 111.02 - Pump Station 15 Fronting Wall - Various work packages.

LPV 111.03 - 1000' T-wall Tie-in to IHNC - Various work packages.

LPV 113 - New Orleans East - NASA Levee Enlargement (Betterment) - Construction 16% complete

LPV 117 - Relief wells complete. Unsuitable material will be removed from site.

Embankment was to be determined. . Construction 100% complete. (\$2,400,000.00)

LPV 120 - IHNC West Side - Construction 100% complete.

- Seabrook structure - USACE awarded Design/Build contract to Arcadis. ROE for test pile program authorized by OLD. Protest of award may delay project completion.
- OLD scheduled inspection dates with DOTD and USACE for 2009:

<u>Qtr.</u>	<u>Hurricane System</u>	<u>Mississippi River &amp; Tributaries</u>
1 <sup>st</sup>	February 4, 5, 6	March 5
2 <sup>nd</sup>	May 13, 14, 15	June 4
3 <sup>rd</sup>	August 14	September 3
4 <sup>th</sup>	November 11, 12, 13	December 3

- B Detailed real estate acquisitions outstanding, cost sharing, relocations budget as prepared by OCPR (Attached).**
- C Orleans Parish Right of Entry Chart (Attached).**
- D Detailed description of LPV Corps projects under construction and under design prepared by Corps (Attached).**
- E Orleans Levee District plans and specification review status of USACE LPV projects (Attached).**
- F The following are activities completed by O.L.D.:**
- 1) DOTD/OCPR Mississippi River Levee Inspection on December 3, 2009 was completed.
  - 2) 17<sup>th</sup> Street Canal seepage study is complete. Final report by Dr. Martin and Dr. Bachus is complete.
  - 3) Maintenance and inspection of levees, floodwalls and floodgates
    - 4<sup>th</sup> Quarter Levee, Floodwall and Floodgate field inspections ongoing
    - 4<sup>th</sup> Quarter Remedial Action Reports ongoing.
  - 4) Mississippi River now below 11.0'.
  - 5) Franklin Avenue Warehouse South Section Roof Replacement Notice to Proceed to Roof Tech for January 1, 2010.
  - 6) Safehouse: Contract Award for December 17 Board Meeting.
  - 7) Floodgate Seal Repairs - Contract Award for December 17 Board Meeting.
  - 8) Levee permits to date: 66.
  - 9) House Permits to date: 32.
  - 10) Bayou Bienvenu closed a total of 160.5 hours (5 days) in November. Bayou Bienvenu cycle maintenance delayed until January 2011 in order to complete LPV 145.

- 11) Bayou St. John tide gauge system is installed. Waiting on Capital Outlay Agreement for Water Management Study.
- 12) Bayou St. John Cycle maintenance bids due January 5, 2010.
- 13) Personnel:
  - Operations and Maintenance Director position to be advertised this month.

GJG/pmj

xc: Timothy P. Doody, SLFPA - East President  
Robert A. Turner, SLFPA - East Regional Director  
Louis Durr, Operations and Maintenance Director

Orleans Levee District & Lake Borgne Basin Levee District  
 Real Estate Issues Outstanding  
 December 9, 2009

Project/Owner	Required interest	Status
<b>LPV 101.02</b>	<b>AFE GRANTED</b>	
City of NO	City ROW	Preparing servitude (ROE previously granted) Submitted for SLFPAE Board vote
Relocations	\$162,425 (unk cntgcy)	
<b>LPV 103.01a1</b>	<b>AFE GRANTED</b>	
City of NO	City ROW	Preparing servitude (ROE previously granted)
<b>LPV 103.01a2</b>	<b>AFE required 3/31/10</b>	
City of NO	Lk Terrace & Rail Sts	Preparing ROE/Servitude; Determining whether survey is necessary Awaiting P&S
DOTD	Rec. letter	
<b>LPV 104.02</b>	<b>AFE required 12/11/09</b>	Existing & UNO, Date TBD City, RR, Port
City of NO	Leon Simon ROW	ROE/Servitude submitted to City; DPW approval requested
Norfolk Southern	RR ROW	Negotiating Proj. Agmt. w/RR; P&S @ RR unconfirmed; Preparing ROW plans
Port of NO	Port ROW	Preparing ROW plans and ROE request to Port
UNO	UNO ROW	Corps map being correct; Planned resubmission 12/11/09
<b>LPV 105.01</b>	<b>AFE required 1/11/10</b>	
City of NO	ROE/Servitude	Preparing ROW plans and ROE/Servitude
DOTD	Project Permit	Application submitted to DOTD
Norfolk Southern	RR ROW	Negotiating Proj. Agmt. w/RR; P&S @ RR unconfirmed; Preparing ROW plans
Relocations	\$63,407 (no cntgcy)	Draft ROE submitted to RR Submitted for SLFPAE Board vote
<b>LPV 105.02</b>	<b>AFE required mid to late Jan 2010</b>	
S&WB	ROE/Servitude	Preparing ROW plans and ROE/Servitude; Determining ownership boundaries
City of NO	ROE/Servitude	Preparing ROW plans and ROE/Servitude; Determining ownership boundaries
DOTD	Project Permit	Awaiting P&S
DOTD	Rec. letter	Awaiting P&S
Norfolk Southern	RR ROW	Negotiating Proj. Agmt. w/RR; P&S @ RR unconfirmed; Preparing ROW plans
Relocations	\$621,591 (40% cntgcy)	Draft ROE submitted to RR Submitted for SLFPAE Board vote
<b>LPV 106</b>	<b>AFE required 2/1/10</b>	
DOTD	Project Permit	Application submitted to DOTD
DOTD	Rec. letter	Awaiting P&S
Norfolk Southern	RR ROW	Negotiating Proj. Agmt. w/RR; P&S @ RR unconfirmed; Preparing ROW plans
<b>LPV 107</b>	<b>AFE required 2/8/10</b>	
City of NO	ROE/Servitude	Preparing ROW plans and ROE/Servitude; Determining ownership boundaries
DOTD	Project Permit	Application submitted to DOTD
DOTD	Rec. letter	Awaiting P&S
Norfolk Southern	RR ROW	Negotiating Proj. Agmt. w/RR; P&S @ RR unconfirmed; Preparing ROW plans
Relocations	\$173,923 (10% cntgcy)	Submitted for SLFPAE Board vote
<b>LPV 109.02a</b>	<b>AFE granted to all but Parcel 4-2</b>	
Nat'l Center	Parcel 4-2 (LA 11)	Negotiating acquisition with owner
<b>LPV 109.02b</b>	<b>AFE required 1/8/10</b>	
DOTD	Project Permit	Application submitted to DOTD
DOTD	Rec. letter	Awaiting agreement Corps/DOTD on P&S

<b>LPV 109.02c</b>	<b>AFE required</b>	
DOTD	Project Permit	Awaiting agreement Corps/DOTD on P&S
DOTD	Rec. letter	Awaiting agreement Corps/DOTD on P&S
<b>LPV 110</b>	<b>AFE required 1/8/10</b>	
DOTD	Rec. letter	Awaiting P&S
CSX	RR ROW	Negotiating Construction Agreement; Draft submitted to COE counsel
<b>LPV 111.01</b>	<b>AFE granted to all but Parcel 7-1-C-1</b>	
City of NO	Parcel 7-1-C-1 (PS 15)	Negotiating ROE/Servitude with City
<b>LPV 144</b>	<b>AFE required</b>	
DOTD	Rec. letter	Awaiting P&S
<b>LPV 147</b>	<b>AFE required</b>	
DOTD	Project Permit	Awaiting P&S
DOTD	Rec. letter	Awaiting P&S
<b>LPV 148.02</b>	<b>AFE required</b>	
DOTD	Project Permit	Awaiting P&S
Norfolk Southern	Parcel 1-2	Agreement submitted by RR
Elevating Boats	Parcel 1-3	Awaiting completion of appraisal and offer

**103.01A1: New Orleans Metro**

USACE: PM (HPO) Vic Landry TM (MVS) Robert Heer/Rick Femrite(MVP)

AE: Stanley-Inca Consultants/EDC

**103.01A1 AGENDA UPDATE BY HPO CONSTRUCTION**

**Bayou St. John Dewatering-**

Environmental Permit- Pending sign off by State of Louisiana.

Design- MVP has completed the SOW. OLD is nearing completion of the Plans and Specs for their dewatering activities and has agreed to a 75 day duration to complete these activities.

**103.01A2: New Orleans Metro**

USACE: PM (HPO) Vic Landry TM (MVS): Robert Heer/Rick Femrite (MVP)

AE: URS JEG JV (Pawan Gupta)

**Milestones:**

- |                               |                     |
|-------------------------------|---------------------|
| ▪ Relocations Plan Complete   | Date: 2 February 10 |
| ▪ ROE-C Obtained              | Date: 31 March 10   |
| ▪ 65% Plans & Specs Complete  | Date: 10 January 10 |
| ▪ 95% Plans & Specs Complete  | Date: 2 March 10    |
| ▪ 100% Plans & Specs Complete | Date: 26 March 10   |
| ▪ Construction Advertise      | Date: 31 March 10   |
| ▪ Construction Award          | Date: 3 May 10      |
| ▪ 100 yr Protection Achieved  | Date:               |
| ▪ Construction Complete       | Date: 3 November 10 |

**Status Update:**

- Design
  - 35% Complete 8 May 09
  - Contract award and NTP were issued on 9 November 2009.
  
- Construction
  - Acquisition Strategy Low Bid
  - Construction Duration 6 months
  - % Complete 0%

**Issues / Concerns:**

Real Estate

- MVN-RE is in process of obtaining ROW and ROE.

**104.01A: New Orleans Metro**

USACE: PM (HPO) Vic Landry      TM (MVS): Robert Heer/Mark Pratt(MVR)  
EDC MVR

**104.01 AGENDA UPDATE BY HPO CONSTRUCTION**

**104.02: New Orleans Metro**

USACE: PM (HPO) Vic Landry      TM (MVS): Robert Heer/Mark Pratt (MVR)  
EDC MVR

**Milestones:**

- |                              |                      |
|------------------------------|----------------------|
| ▪ Relocations Plan Complete  | Date                 |
| ▪ ROE-C Obtained             | Date: 11 December 09 |
| ▪ Plans & Specs Complete     | Date: 3 December 09  |
| ▪ Construction Advertise     | Date: 8 December 09  |
| ▪ Construction Award         | Date: 8 January 2010 |
| ▪ 100 yr Protection Achieved | Date:                |
| ▪ Construction Complete      | Date: 14 March 2011  |

**Status Update:**

- Design
  - 95% Complete 10 Sept 2009
  - ITR and BCOE comments have been reviewed and resolutions have been incorporated in the final plans and specifications.
  
- Construction
  - Acquisition Strategy                      Unrestricted
  - Construction Duration                      430 CD
  - % Complete                                      0%

**Issues / Concerns:**

**Real Estate:**

- Real estate concerns with Norfolk Southern Railroad are being addressed.
- Retrofitting the current I-wall to an L-wall around the existing RR gate is the current path forward. As per HPO Management and HPO Technical Support, structural superiority is not required for the RR gate (W 39).
- MVN-RE is preparing a risk assessment so advertisement may proceed on schedule.
- UNO has provided approval and ROE for the new ramp design.

**France Road Gate: New Orleans Metro**

USACE: PM (HPO) Vic Landry/Theresa King      TM (MVS): Robert Heer/Dennis Gilmore  
EDC: HPO

- Pending final approval, HPO will be providing the Construction Management and oversight for the France Road Ramp currently scheduled to be awarded in February 2010.



**WEEKLY PROJECT STATUS MEETING**  
**New Orleans East**  
Updated December 7, 2009

Call In Number: (877) 290-1337  
Pass code: 830 998 7498

**Roll Call**

- LPV 105.01
- LPV 105.02
- LPV 106
- LPV 107
- LPV 108 Collins Pipeline
- LPV 109.02a
- LPV 109.02b
- LPV 109.02c
- LPV 110
- LPV 111

**105.01: Lakefront Airport East T-Wall and Seabrook Tie-in**

USACE: PM (HPO) Jason Cade

TM (MVR): Eric Johnson

AE: (NOSBE JV) April Hurry

RE: TBD

**Outstanding Action Items:**

- Drainage line at Seabrook connection – Stevan Spenser

**Milestones:**

▪ Relocations Plan Complete	25 Sep 09
▪ ROE-C Obtained	09 Dec 09
▪ 100 yr Protection Achieved	09 Nov 10
▪ Lakefront Airport West T-Wall:	
▪ Plans & Specs Complete	7 Dec 09
▪ Construction Advertise	11 Dec 09
▪ Construction Award	11 Jan 09
▪ Construction Complete	24Dec 10
▪ Seabrook Tie-In:	Project to be Shelved
▪ Plans & Specs Complete	11 Dec 09
▪ Construction Advertise	14 Dec 09
▪ Construction Award	14 Jan 10
▪ Construction Complete	13 Jul 10

**Status Update:**

▪ Design	
▪ Lakefront Airport East T-Wall % Complete	100%
▪ Seabrook Tie-in % Complete	85%
▪ Construction	
▪ Acquisition Strategy	Unrestricted
▪ Lakefront Construction Duration	340
▪ Seabrook Construction Duration	180
▪ % Complete	0%

**Issues / Concerns:**

Environmental

- Expect Seabrook IER to be completed by mid December

Relocations:

- 

Real Estate:

- Coordinating with MVN-RE on getting all necessary ROE to begin construction with identifying No-Work Areas.
- Working on getting risk letter from MVN-RE

Design:

- 100% P&S was delayed from 11 November 2009 to 4 December 2009.
- Coordinating with OLD on getting on getting the funds approved and transferred.
- Waiting on final review of ROE-Construction by MVN-OC.

Construction

- 

Contracting

-

105.02: Lakefront Airport T-Wall West  
USACE: PM (HPO) Jason Cade  
AE: (NOSBE JV) Barry Fehl

TM (MVR): Eric Johnson  
RE: TBD

**Outstanding Action Items:**

**Milestones:**

▪ Relocations Plan Complete	24 Oct 09
▪ ROE-C Obtained	28 Dec 09
▪ Plans & Specs Complete	11 Dec 09
▪ Construction Advertise	TBD
▪ Construction Award	TBD
▪ 100 yr Protection Achieved	22 Dec 10
▪ Construction Complete	28 Feb 11

**Status Update:**

▪ Design	
▪ % Complete	95%
▪ Construction	
▪ Acquisition Strategy	Unrestricted
▪ Construction Duration	412
▪ % Complete	0%

**Issues / Concerns:**

Environmental

- Expect supplement to IER to be completed by late December to early January for 2000' of I-Wall

Relocations:

- Until funding is received by OLD, we will be unable to build due to the multitude of utility conflicts.

Real Estate:

- 95% Drawings for Utility Relocation Comments are converted and pending delivery to RE. USACE attorneys reviewing

Design:

- 95% P&S due 27 November 2009
- Coordinating with OLD on getting on getting the funds approved and transferred. Due to the cost, we anticipate at least a few weeks prior to funds transfer.

Construction

- Sheet Pile Supply Contract Posted on 25 Nov 09.

Contracting

106: Citrus Lakefront Levee  
USACE: PM (HPO) Jason Cade  
AE: (NOSBE JV) April Hurry

TM (MVR): Gary Billingsley  
RE: TBD

**Outstanding Action Items:**

**Milestones:**

▪ Relocations Plan Complete	21 Sep 09
▪ ROE-C Obtained	28 Dec 09
▪ Plans & Specs Complete	4 Dec. 09
▪ Construction Advertise	7 Dec 09
▪ Construction Award	30 Dec 09
▪ 100 yr Protection Achieved	28 Nov 10
▪ Construction Complete	23 Mar 11

**Status Update:**

▪ Design	
▪ % Complete	95%
▪ Construction	
▪ Acquisition Strategy	Unrestricted
▪ Construction Duration	450
▪ % Complete	0%

**Issues / Concerns:**

Environmental

- Expect supplement to IER to be completed by late December to early January.

Relocations:

- No OLD utilities.

Real Estate:

- 

Design:

- Anticipate 100% P&S on 04 December 2009.
- 

Construction

- Sheet Pile Supply Contract Posted on 25 Nov 09.

○ Contracting

## 107: Lincoln Beach Gate and new T-Walls

USACE: HPO PM: Tore Pearson  
TM (MVP): Adele Braun  
AE: NOSBE JV PM: Tom Knight

Resident Engineer: Billy Rossignol  
Project Engineer: TBD  
Construction Contractor: TBD

### Critical Path / Hot Topics

#### Action Items:

- PM as suggested to develop a HUBZONE contractor list and issue draft P&S to contractors before advertising.

#### Real Estate Issues

- Working closely with RE to get ROE-C in time for award of contract
- Final updated ROE drawings issued to R.E. by HPO Tech Branch with memo on 30Oc'09.
- Updated drawings (due to T-Wall change) were revised to give a description of the changes and date in the revision block. It show T-Wall alignment relocated closer to Haynes Blvd. ROE request accepted by RE on 5Nov'09. RE will do their best to meet 8Feb'10 award suspense.
- Risk Letter from RE to be developed before advertising.

#### Environmental Issues

- HPO environmental working on updating IER

#### Relocations Issues

- AE received confirmation from AT&T concerning Telephone line crossing that it will now be abandoned by user.

#### Design Issues

- 65% P&S review submitted on 13Nov'09.
- 65% P&S Review Clarification Meetings held on 20Nov'09.
- 95% P&S due in for review on 15Dec'09

#### Construction Issues

- None

#### Contracting Issues

- Synopses will be issued 15 days prior to 5Jan'10 advertising.

#### Milestones:

▪ Revised Geotech Addendum	13 Nov 2009 (A)
▪ Re-submit 60% P&S	13 Nov 2009 (A)
▪ 95% P&S	15 Dec 2009
▪ P&S Complete	4 Jan 2010
▪ Construction Advertise (W/Risk LTR)	9 Jan 2010
▪ ROE-C Obtained	8 Feb 2010
▪ Construction Award	8 Feb 2010
▪ NTP	18 Feb 2010
▪ 100 yr Protection Achieved	30 Oct 2010
▪ Construction Complete	30 Oct 2010

## 108: New Orleans East Lakefront Levee Raise

*USACE: PM(HPO): Tore Pearson  
TM (MVM): Gary Billingsley  
AE: URS - PM: John Gribar*

*Resident Engineer: Billy Rossignol  
Project Engineer: Donna Day  
Construction Contractor:  
Hamp's Construction, L.L.C.  
New Orleans, LA*

### Critical Path / Hot Topics

#### Action Items:

- HPO continue working with Relocation Section to get Southern Natural Gas design complete for the relocation of their 3 gas lines.

#### Real Estate Issues

- None

#### Environmental Issues

- None

#### Relocations Issues

- Relocation Section continues to work closely with Southern Natural Gas (SNG) on their pipeline relocations design for 3 of their gas lines.

#### Design Issues

- None

#### Construction Issues

- Levee construction to be complete prior to Collins Pipe Line completion

#### Contracting Issues

- None

#### **Milestones:**

- Levee construction scheduled to be complete concurrent or before of Collins Pipe Line

## 108 Collins Pipeline: Installation of T-Walls

*USACE: PM (HPO): Tore Pearson  
TM (MVP): Adele Braun  
Design: In-house by MVP & MVM*

*Resident Engineer: Billy Rossignol  
Project Engineer: Donna Day  
Construction Contractor:  
Hamp's Construction, L.L.C.  
New Orleans, LA*

### Critical Path / Hot Topics

#### Action Items:

- St. Paul District working on RFI on new tension connectors of PPC piles (Completed)

#### Real Estate Issues

- None

#### Environmental Issues

- None

#### Relocations Issues

- None

#### Design Issues

- St Paul District completed work on Resident Office RFI (Monolith 4E) on Pre-Stressed Precast Concrete (PPC) pile tension connectors due to need to cut of several feet of concrete piles.

#### Construction Issues

- Sheet piles and PPC piles installation complete.
- Tension connector load testing completed..

#### Contracting Issues

- None

#### **Milestones:**

- |                                     |                 |
|-------------------------------------|-----------------|
| ▪ Construction Award (Modification) | 24 Jun 2009 (A) |
| ▪ 100 yr Protection Achieved        | 24 Feb 2010     |
| ▪ Construction Complete             | 24 Feb 2010     |

**109.02a2, 109.02a & 109.02c: New Orleans East Levee**

*PM (HPO): Mike Grzegorzewski*  
*AE: URS-JEG JV Ariel Buenano*

*TM (MVM): Carter Bagley*  
*RE: Alan Hunter*

109.02a2 Drainage Blanket

Construction Award	22 Oct 09A
Construction Duration	180 calendar days
Construction Complete	05 May 10

Grading occurring in preparation of geotextile placement. Sand Placement to occur after geotextile is installed.

109.02a & 109.02c Levee Raise South Point to CSX

ROE-C Obtained	30 Nov 09 (Delayed)
95% Plans & Specs	31 Oct 09A
Plans & Specs Complete	17 Dec 09
Construction Advertise	21 Dec 09
Construction Award	21 Jan 10
Construction Complete	27 May 11

Issues / Concerns:

- ROE for private lands scheduled 20 Nov 09 delayed. Coordination with OCPR for resolution.
- Modification to Design of LPV 109.02c required. Proposal received 7 Dec 09.
- 404 Notice being coordinated with Environmental.

**109.02b: I-10 Crossing**

*USACE: PM (HPO): Mike Grzegorzewski*  
*AE: URS-JEG JV Frank Lawler*

*TM (MVP): Tim Grundhoffer*  
*RE: Billy Rossignol*

ROE-C Obtained	08 Jan 10
95% Plans & Specs Submission	13 Nov 09
Plans & Specs Complete	15 Dec 09
Construction Advertise	28 Dec 09
Construction Award	30 Jan 10
100 yr Protection Achieved	20 Mar 11
Construction Complete	03 May 11

- AT&T Fiber Optic Relocation – Meeting with AT&T to be setup for 8/9 Dec 09.
- 95%/BCOE Review Conference held on 25 Nov 09. No comments received from Construction. Revised information provided to Construction on 7 Dec 09. Comments due by 9 Dec 09.
- Coordination of funding for Relocation of I-10 with Task Force Hope. Working to setup meeting with the State. Awaiting Revised Cost Estimate due 9 Dec 09 before meeting can be scheduled.



**110: CSX Railroad Crossing**  
*USACE: PM (HPO) Mike Grzegorzewski*  
*AE: URS Andrew Pyper*  
*Construction Contractor:*

*TM (MVP): Jim Ulrick*  
*RE: Billy Rossignol*

**Milestones:**

- |                                |           |
|--------------------------------|-----------|
| ▪ ROE-C Obtained               | 08 Jan 10 |
| ▪ 95% Plans & Specs Submission | 23 Nov 09 |
| ▪ Plans & Specs Complete       | 15 Dec 09 |
| ▪ Construction Advertise       | 24 Dec 09 |
| ▪ Construction Award           | 28 Jan 10 |
| ▪ 100 yr Protection Achieved   |           |
| ▪ Construction Complete        | 29 Mar 11 |

**Status Update:**

- Design
  - % Complete 95%
  - Working with CSX to obtain ROE through Construction Agreement. Will advertise with a Risk Assessment.
  - 100% P&S submission delayed a few days to address some critical comments.
    - Use of HESCO Baskets as Interim Protection
    - Scour protection on flood side of Interim Protection

**LPV 111 New Orleans East Back Levee**

Project Manager: Jerry Gianelli

Design Managers MVM: Andrew Smothers, Mark Mazzone

Resident Engineer: Alan Hunter

Design Managers URS/Jacobs: Bruce Lelong, Ryan Koenig

Project Manager AWA: Jim Gardner

Critical Path / Hot Topics

Action Items:

1. 15 Dec 09 - Adjusted Estimate of Target Cost & Profit @ 60% P&S - AWA.
2. ON-GOING - Supplemental IER 7 for ROW & T-Wall Design - Laura Lee.
3. ON-GOING – Approval to use REM (Recycled Enhanced Material) in levee section – PDT.

Real Estate ROO – Right of Entry Obtained

- o Non-Federal Sponsor (NFS) has acquired all ROE-C with the exception of City Parcel #7-1-C-1 adjacent to the Maxent Canal. City has no objection to use of this parcel and NFS is working the details with the City.

Design Plans & Specs Complete PSC:

Reach	Work Packages	60%	95%	100%
111.01	12A/12B	10/12/09	11/23/09	12/21/09
	11B	11/09/09	12/14/09	1/18/10
	CTU#6	10/12/09	11/23/09	12/24/09
	CSX Tie In	12/09/09	12/21/09	1/18/10
	111.03 Tie In	11/19/09	12/14/09	1/18/10
111.02	Fronting Monoliths	11/16/09	12/21/09	1/19/10
	Guardian Monoliths	12/03/09	1/11/10	2/11/10
111.03	T-Wall @ IHNC	11/13/09	12/18/09	1/15/10
Shaded Area = Complete				

Construction Complete CCP (AWA Schedule as of 2 Dec 09)

- o Pre-Construction Phase 2/09/10
- o Validation Phase 5/05/10
- o Construction Phase 6/01/11

ECI Validation Option

- o Performing validation tests and preparing for DMM field production trials

ECI LPV 111.01, 111.02, 111.02 Construction Option

- o Option not yet exercised

## **Meeting Minutes**

Weekly Progress Meeting  
Preparation of Plans and Specifications  
for

**LPV 111.01, Michoud Canal to CSX Railroad,**  
**LPV 111.02, Floodwall Reconstruction at Pump Station 15,**  
New Orleans East, Hurricane Protection Office

**Location:** URS Metairie Office, 3500 N. Causeway Blvd,  
10<sup>th</sup> Floor Conference Room

**Time:** 9:00 am-11:00 am CDT

**Date:** 11/25/09

**Attendees:** **URS:** Bruce Lelong, Tom Cooling, Ryan Koenig, Phillip Olivier, Evan Yost, Jordan Montz, Dwayne Smith, Bob Grubb, Ranjit Gujja; **USACE:** Andrew Smothers, Mark Mazzone, Jamie Evans; **AWA:** Jim Gardner; **Treviicos:** Amr Ragy; **HPO:** Pete Cali.

### **Agenda:**

#### 1) ECI Coordination Summary:

Met with Jim G of AWA on 11/19- Discussion items- Pile Load Test, pipe piles, CSX access issues. Pile Load Test Meeting w/ HPO Tech support, USACE on 11/20 (see notes below). Met w/ Jim G, Jim B. on 11/24- Mixing operations to begin, Filz, D. Bruce in town next week- Access bridge-move slightly further back from station, discussed ROW @ PS 15, PLT, TFG monoliths, soil mixing specs.

#### 2) Admin and Schedule

a) Internal deadlines- Pending for the next 2-3 weeks

#### i) Geotech Report(s)-

(1) 12A/12B Final report -Submitted 10/5

(2) 111.03 & 11B Draft Report(s)-

(a) 111.03- Final report submittal submitted 11/7

- (b) 11B - Submitted 11/16.
- (3) PS 15- Draft Geotech Report Submittal
  - (a) Fronting Monolith Geotech Report Submittal:
    - (i) Final report – submitted 11/10

**The comment resolution meeting for the Fronting Monolith will be held at 9 AM on Nov. 30<sup>th</sup>.**

- (b) Guardian Monoliths:
  - (i) Draft Report submitted 11/2-Comment Resolution Meeting- held 11/9,
  - (ii) Final Report Submittal date- 11/27- moved to Tue 12/1
- (4) CSX tie in- Geotech report draft due 11/23 (submitted 11/24)
  - (a) Final report due- 12/21

ii) Work Packages-

- (1) Pile Load Test-
  - (a) Submitted 10/6-
  - (b) Meeting held 11/20- will only test @ PS 15, resubmit today (11/25)

**Mr. Lelong announced that they will use a buttress design at the Guardian Wall which could change the depths of the piles and required loads.**

- (2) 12A/12B Plans- 60% submitted 10/12-
  - 80% informal review submitted- 11/9
  - 95% Submitted- 11/23

**Mr. Olivier stated that the only significant change in the plans from the 80% to 95% is in the ramps.**

100 % submittal date- 12/21

- (3) 11B Plans- 35% informal review-submitted 10/12-
  - 60% submitted 11/9

**Mr. Olivier announced that the changes in the plans since the 60% are DMM details added. DMM changed around CTU #6, and the turn-around at the 110 tie-in.**

80% informal set- submitted- 11/23  
95% submittal date- 12/14

- (4) PS 15-
  - (a) Fronting Monoliths (FM)-
    - (i) 60% Review submitted 11/16
    - (ii) 95% 12/21
  - (b) Guardian Monoliths (GM)
    - (i) Submitted 35% GM informal review - 10/19.
    - (ii) 60% submittal scheduled for 11/30

**Mr. Lelong announced that the 60% submittal has been rescheduled for 12/2.**

- (5) 111.03 tie-in Plans informal submitted 10/19
  - 60% submitted 11/9
  - 80% informal- 12/7
- (6) Pump Platform/CTU #6-

**Mr. Smothers inquired about the possibility of using temporary pumps to expand (lengthen) the allowable construction schedule. Mr. Lelong replied that he would investigate.**

(i) 80% submitted 11/2 to AWA only w/o structural updates-updates delivered 11/11.

(ii) 95%- 11/23  
100% submittal date- 12/24

(7) CSX (LPV 110) Tie In Work Package

(a) Establish detailed schedule- -expedited

(i) draft Geotech report to be submitted 11/23

(ii) 60-80% P&S submittal 12/9  
95%- P&S- 12/21

iii) ROW Plans-

(1) Status- Jordan to update- submitted last week Thur/Fri.

**Mr. Montz announced that the real estate drawings were submitted on Friday to Mr. Ron Alexander and he is waiting for feedback. He added that the access from Recovery Rd. has been taken out of the drawings.**

(2) Update from Ron Alexander

(3) Date for final submittal-TBD.

b) Design Criteria Changes

i) DDR –Design Criteria Section update Rev1 -- issued 8/12- comments received from Jacobs-resolved w/ Lelong

c) Mods

i) PS 15 changes

(1) Mod 2: Forthcoming mod for tie-ins-Draft SOW received 9/08; comments returned.

ii) LPV 111.01 (1) Mod for T-Wall designs-- submitted 11/19

d) Contractor's construction schedule: items of interest to Design Team

i) Access Bridge

**Mr. Gardner announced that they have started to install the Flexifloats and begin driving the piles next week. He added that hopefully by the end of the year they will have a temporary bridge.**

ii) Pile Load Test Program

**Mr. Gardner stated that this is on hold, but will proceed once it's re-submitted.**

iii) PS 15 Plan

**Mr. Gardner announced that they are still waiting for approval from Mr. Spooner. Mr. Mazzone requested a copy of the PS 15 plan and Mr. Smothers requested a copy of AWA's WBS.**

iv) Schedule-

e) Site Visits/Meetings

(1) Pile Load Test meeting 11/20- Will only test @ PS 15

(a) Discussion?

ii) Upcoming Meetings:

- (1) PS 15 Fronting Monoliths Comment Resolution Meeting- 11/23
- (2) 12A/12 B & CTU 6- 95% meeting- 12/2 Wed- 9am 10<sup>th</sup> floor
- (3) CSX Draft Geotech report 12/3 Thur. -9am (9<sup>th</sup> floor? Or do we need 14<sup>th</sup> floor)
- (4) Schedule specifications meeting-?

f) GFI Requests- N/A

g) A/E ITR's – List compiled, Bruce will send to Andrew today

3) Progress Updates

a) Access Bridge/Access- Update on Progress-

- i) Update on status on pre-engineered bridge from AWA- prelim. info received 11/17 from Beckerle
- (1) Hitech dwgs updated- any comments?

**The drawings should only take a couple days to complete once all the information is received.**

- ii) Need final shop drawings to finalize- forthcoming next week per AWA

b) Validation Phase-AWA

- i) AWA to update
- ii) Work packages
  - (1) Access
  - (2) Soil borings
  - (3) Benchscale testing
  - (4) Test sections- embankment
  - (5) Soil Mixing Test Columns

4) Design Work Packages

c) Pile Load Test Package-submitted 10/6

- i) Comments received- see discussion above- HPO tech support
- ii) Resubmit w/ only PS 15- 11/25

d) Cost Estimate(s)

- i) 60% update cost due from AWA 12/7. Estimates for Levee option & PS 15 on 11/16 & 12/7 (CSX tie in still under design)
- ii) Email received from Elizabeth, packages to include for estimates
- iii) Received from Jacobs, being reviewed/ITR'd, will submit to HPO for general comments
- iv) Update from Jacobs-

**Mr. Koenig stated that Buffalo should have the Fronting Monolith estimate completed today and URS Metairie is sending the Guardian quantities to Buffalo today and need to have back by the end of next week.**

**Mr. Cooling inquired (regarding validation) if the settlement plates & inclinometers at the test pads plan is still being done. Mr. Gardner replied that they are getting the instrumentation now and would provide an update.**

**Mr. Ragy's concern about cost estimate based on the plan drawings, as AWA's plan may not be exactly (could be slightly longer or shorter-gave example of 82 width and whether he will need to put in additional elements, which should be a significant cost). Bruce indicated these issues could be brought up during Wednesday's review meeting.**

e) 12A/12B

i) P&S Progress-95% submittal made 11/23

(1) Update on progress

(2) Plans & Specs

**Mr. Lelong announced that they have significantly revised the specs for the DMM.**

f) 11B

i) Geotech- final report submitted 11/16

(1) Update on progress

(2) Coordination of CTU #6 civil/site layout w/ Geotech requirements-

g) USFWS Pump Platform/CTU # 6

i) P&S- 80% submitted on 11/2 & 11/11 (Struct.)

ii) 95% -submitted on 11/23

iii) Progress- Gujja to update

iv) Status on equipment selection, cut sheets, etc.

h) PS 15

**Mr. Yost announced that the 2 Guardian packages are a brand new design and the other is a buttress design for the wall stem. He added that the structural calculations are currently being detailed checked and they are marking up the drawings.**

i) Progress Update-

(1) Geotech-update

(2) Fronting Monoliths-

(a) P&S- 60% Submitted 11/16

(3) TFG Monoliths

(a) 60% due 11/30- will submit 12/1

(4) Interim Flood Protection

i) 111.03 Tie in

**Mr. Lelong stated that he wants to discuss the option of having one set of specs for the tie-in & the rest of the t-wall with Mr. Mazzone.**

i) 60% submitted 11/9

ii) Geotech- Dwayne Smith to update

iii) Plans-Progress- update-

j) 110 Tie in

i) 110 Project update-Bob Grubb

ii) CSX Tie in- update

(1) Geotech- draft submitted 11/24

Comment resolution meeting scheduled for 12/3

Status on P&S

k) Utilities/Relocations-status-Toribio

**Mr. Lelong announced that Southern Natural Gas wants to discuss the t-wall option of directional drilling underneath and if there would be any issues if the pile tips are 30 ft. above the pipeline. He added that Entergy is still unresponsive.**

l) Other items for discussion