

## NON CONCURRENCE STATEMENT

Preface:

Michael Louis Merritt, M.S., M.B.A., C.P.G., was appointed as a Tiger Team member representing the Board of Commissioners for the Southeast Louisiana Flood Protection Authority – West by the Coastal Protection and Restoration Authority, the project Non-Federal Sponsor.

Mr. Merritt has dutifully participated in every aspect of Tiger Team activities, including field inspections, team meetings, conference calls and final report compilation. Unfortunately, during preparation of the final team report Mr. Merritt has increasingly found himself with findings, opinions and conclusions conflicting with the position of several other members of the team.

In an effort to avoid further delay of the final team report Mr. Merritt has offered to allow completion of the report absent his approval of several of its chapters as well as the Tiger Team’s conclusions and recommendations provided a statement of his non-concurrence is made a part of the report Executive Summary, Chapters 7, 8, 10 and “Chapter 11 – Conclusions” and “Chapter 12 – Recommendations”.

The statement:

Tiger Team member, Michael Louis Merritt, M.S., M.B.A., C.P.G., has determined he cannot, in good conscience, agree to the findings of many of the other team members in regard to Chapters 7, 8, 10, 11, and 12, of the final Tiger Team report. To avoid further delay of the report he is issuing this “statement of non-concurrence.” Mr. Merritt’s individual findings and conclusions may be reviewed in Appendix Y of this report.

# Non Concurrence Rationale

- Tiger Team members have diligently worked for many months to complete their mission of investigating, evaluating, then reporting their activities regarding construction of the WBV-14c.2 levee in Jefferson Parish, Louisiana
- In an effort to complete and otherwise finalize, then publish the report of its mission the Tiger Team members have been in almost continuous conference for several weeks
- Unfortunately, several serious differences in the opinion and findings of the members remain and now appear irreconcilable
- Following deep and honest discussion of these differences the Tiger Team has concluded our best course of action is to allow the report to be issued but, containing statements of non-concurrence in those chapters of the report remaining unresolved

# Trench Log Glossary

**LD = Levee Degrade**

**Y = Yes**

**Red Fonts = Destroyed Samples**

**Obj = Objectionable**

**G = gauge**

**WB = Willow Birch**

**End = Limit of a layer**

**RB = River Birch**

**Wedge = Wedge (extra elevation of levee slope to keep trench floor level)**

**Gphy = geophysics**

**MSL = mean sea level of elevation**

**LF = Levee fill**

**UCS = unconfined compressive strength**

**Fe = iron**

## **Tiger Team Update for SLFPA-W Technical, Operations and Maintenance (TOM) Committee:**

### **The Role of “Companion Sampling”**

#### **Reason Non Federal Sponsors collected “companion samples”:**

As originally planned by New Orleans USACE officials, before SLFPA-W was represented on the Tiger Team, all samples obtained were to be analyzed by USACE and kept in their custody or discarded. The Tiger Team’s original intention, when seeking wood in these sample cuttings, was for the contractor to provide laborers to separate all sizes of wood from clay. Actually, Tiger Team members were left on their own (without hand tools) to search in the clay.



66.88CL.P4.JPG

The Team’s good intentions turned out to be wishful thinking when the excavating

machine dropped a bucket full of material similar to stiff modeling clay and the unyielding material fell as a single block (as happened, for example, at a trench named **108 + 18 PS 60** and located 18 feet east of Station Marker 108 along the levee reach and 60 feet off the crown on the protected side).

### 108 + 18 PS 60



When no written plan existed to outline the USACE sampling protocol beforehand, the SLFPA-W Board of Commissioners unanimously voted a resolution the sampling effort not take place until an orderly sampling method was planned and written down. Independent of, and prior to the SLFPA-W Board vote and recommendation, Mr. Merritt advised the Tiger Team on Sept. 26, 2011:

*...until detailed plans and procedures are established for trench excavation, cutting inspection and testing, any field activities are preliminary and are for preparation (to calibrate geophysics tools) or for practice only and any data obtained should be regarded as incomplete, scientifically uncontrolled or invalid because field activity, for its own sake, will not produce optimum results.*

Later the same day, at the SLFPA-W regular meeting, Mr. Merritt presented a power point slide presentation to SLFPA-W (copy to Tiger Team for an appendix to the report) (1) showing how the planned (September) trench sites missed

virtually all SLFPA-W areas of concern for excessive wood debris. One particular slide in the exhibit was created on an air photo by plotting (1) the planned trench sites and (2) the wood cluttered areas originally noted by inspectors. At a glance it was obvious almost all attempts missed the targets. Merritt summarized his concerns for the impromptu trenches by calling them “practice pitches”.



USACE rejected SLFPA-W’s counsel and went ahead with this result: the orally stated “practice pitch” trenching plan (of having the contractor’s laborers separate the wood from the clay) apparently failed at the outset as Tiger Team members were left to do their own digging, usually by hand. As some trenches were only worked for as little as half an hour, there was concern about whether or not the percentage of wood recovered, by briefly poking around, was representative of the

total wood in the levee. Again, this effort was almost exclusively confined to known “clean” areas where the wood observed being placed during construction would not be encountered by the “practice trenches” dug in September. This was tantamount to shooting to avoid the target as shown on the map above by comparing proposed trench locations with high debris areas during construction.

Consequently, SLFPA-W and CPRA members of the Tiger Team initiated a Team discussion and suggested new plans to keep better field notes and reorganize field work before trenching resumed in October. **It was agreed NFS Team members would be allowed to take samples alongside USACE Team members as an authorized Tiger Team activity listed in the Tiger Team’s version of its scope of work.** Any samples acquired in this way would be contemporaneous “companions” of material being analyzed in engineering labs, hence the name “companion samples”.



The original idea was to obtain and preserve a companion sample of each layer of clay exposed by trenching, to allow later and more efficient sample processing, (1) either by using machines or (2) taking much more time to be thorough when working by hand, to confirm no additional wood could be found. In this way, after field observations ended, additional time could be spent resolving any doubts about whether or not all wood had been located by the brief look before refilling the trench.

### **Synopsis of Project:**

In October, 2010 ground work was underway on the 14 c 2 project to shift the levee off the compacted “footprint” onto the flood side swamp and raise it to 13.5 feet elevation. By December, numerous complaints about wood debris in the clay building material were routinely presented by USACE, CPRA and SLFPA-W inspectors. USACE construction project management slowed down, but never stopped, the flow of rubbish into the levee throughout the project as wood, brick, broken glass, terra cotta, concrete or rocks and other wood or non-woody debris were still being delivered to the site in November, 2011 mixed in the so called “clean” clay fill used to refill the trenches dug by the Tiger Team. In a few moments, for example, SLFPA-W’s crew easily found enough wood and non-wood debris in building (clay) material on November 5, 2011 to fill several sand bags.

#### **SLFPA-W crew picks trash out of “new clay” fill at trench 27+25 FS 80**



**L-R: Delando Davis, Kernice Richard, Jeff Picado, Chris Goodson and Foreman Ronald Forrester**

The Tiger Team's efforts to evaluate the levee were a work in progress planned, modified and evolving from July, 2011 (when the formation of the Team was announced), through September 12, 2012 when SLFPA-W became involved on the Tiger Team and continuing until the first week of November (when wood and non-wood debris was still being found in "clean" clay fill brought in to fill trenches).

Concurrently with the Team's work, methods of evaluating trenches dug changed from the practice trenches of September to the improved protocol used in October and November, 2011.

Example of entire documentation for "practice pitch" trench dug in September:

**STATION 48+00; O/S 90-FT PROTECTED SIDE; 3-FEET DEEP. (FIELD CHANGE)**

**(This location was adjusted by 200-feet from station 50+00 due to overhead power lines existing at the original site.)**

**Excavation commenced at about 4:00pm on Wednesday, 28 September 2011.**

*No trench log exists for this excavation. (Emphasis added)* **Figures 3-11a to 3-11f show the trench location, the excavation and the wood that was collected. The work by the current contractor at this location included filling the berm from elevation +1.40 to the existing elevation of +5.0. As reasonably expected from the borrow disposition charts, the excavation showed 2-feet of Willow Bend borrow material, underlain by River Birch borrow material.**

**No member of the Tiger Team expressed any concerns for levee integrity after reviewing the cuttings and the side walls and bottom of the excavation.**

Example of field notes for trench dug in November:

*The trench log is too large a document to include here.*  
**Please see attached, typical, log of trench at 39.90. (Digital documents created for all October and November trenches by SLFPA-W, and shared with Tiger Team for Chapter 3 of their final report, show a document format prompting consistent data collection, contemporaneous notes, field sketches, narratives, maps, cross sections and photos of trench site.)**

Concerns grew as companion sampling took place.



108.09PS60.P9.jpg

Prior to Tiger Team trenching, USACE officials dismissed SLFPA-W concerns by explaining the abundant debris inspectors had seen and reported had subsequently been removed by additional contractor litter pickup. In other words, inspectors saw the debris before the cleanup/construction process was complete.

This explanation was not convincing because:

- (1) at best it shows a lack of documentation and follow up on issues reported in writing since the resolution of the concerns was not tracked to the end of the building process to report and resolve these concerns with written responses to close the files and
- (2) at worst, the explanation is not what happened, because simply driving down completed sections of the levee (when the Tiger Team ended its

field work) found objectionable wood and obstacles to mowing still remain on the completed embankment lifts.



Also, some of these accumulating concerns were about:

- (1) non-compliance with plans and specifications of the original design,
- (2) other issues involving material density, shear strength, very soft clay sections and
- (3) debris issues in connection with Tiger Team examination of the troubled levee.

108 + 18 PS 60



It became apparent USACE specifications and design practices need an overhaul to prevent abuses and errors typical throughout the 14 c 2 project.

Just as the trench log data collected was influenced by circumstances, then modified and improved to be more effective, so now should the companion samples be examined in more detail than first intended to be responsive to issues uncovered along the way.

### **Project Paradigms:**

The Tiger Team effort conceived and authorized by New Orleans USACE was closely controlled and limited to allowing the Team a narrow view of the levee. As a result, the Tiger Team only examined material placed under phase 2 and some Tiger Team members tended to ignore results or dismiss observed conditions of, or concerns about, previously placed or native materials also affecting performance.

The reason cited for dismissing these concerns was evaluating the discovered concerns was beyond the scope of the Tiger Team's original purpose (to look at the wood). As a result, samples obtained by the Tiger Team were subjected to USACE and engineering protocols in connection with abundant concern for what was within the levee (Phase 2 only).

Whether this levee survives a tropical storm depends upon examining more than the circumstances originally of concern, but of considering and resolving all the issues exposed by the Tiger Team's examination of the levee.

Studying companion samples offers several important opportunities in addition to the original purpose of clarifying the wood count. These advantages include describing the samples with less emphasis on their properties as a building material (i.e. how good a modeling clay they are), and more concern for using the soil's origin to evaluate performance, especially of the foundation soils.

This geological approach is the key issue because, as the Katrina-Rita catastrophes showed, a levee still holding together can collapse into a void beneath it when storm conditions exploit foundation characteristics. Thorough study of the samples gathered by SLFPA-W is also an opportunity to examine material from the entire project to address construction concerns or performance concerns arising at the conclusion of trenching.

Just as the Trench Logging Process was influenced by circumstances and adjusted to do a better job of collecting useful data, so can the Companion Sampling Process benefit from prior experience and additional issues brought up. The opportunity to process the samples gathered by SLFPA-W should be fully used to address all issues encountered and take a comprehensive view of the levee's ability to perform, not just to explain, excuse and accept the condition of the phase 2 construction.

In summary, the most important aspect of a more complete, due diligence review, of the Tiger Team effort is to analyze the companion samples with a geological paradigm. There are several practical reasons for taking a geological approach, for one, the USACE Tiger Team has already done a comprehensive engineering review and there is no reason to duplicate their effort. For another, having a new perspective of such a difficult problem is useful and welcome.



70.CL.P2.JPG

Also, despite passage of time in chain of custody storage, the companion samples on hand are still useful source of data for a geological paradigm. The engineering sample work to date has concentrated on the engineering properties of all the soils (properties such as plasticity) and classified all of the soils, in layman's terms, on the basis of how good of "a modeling" clay they are. This focus on material strength for building material specifications "masks" any effort to see and understand the samples for what they are: an example artifact of the geological environment creating and placing them.

Geological descriptions will provide a view of the samples concentrating on color, grain size, grain shape, fossils and sedimentary structures. These are the preferred characteristics, (not utility as a building material), for picking differences in clay type, interpreting the physical geology of the foundation, (such as depositional sequences in the old Saint Bernard Delta Lobe), and finding any changes in the texture of the soil, (from silt to clay or fine sand for example), when examining the seepage area.

### **Objectives:**

In processing the companion sample material collected by SLFPA-W, the Authority will be working with material controlled to date in a chain of custody fashion and secured under lock. In its subsequent process with the sample material, the Authority should obtain the following:

- From the samples on hand, preserve an undisturbed, smaller, “sample cut” typical of each layer excavated



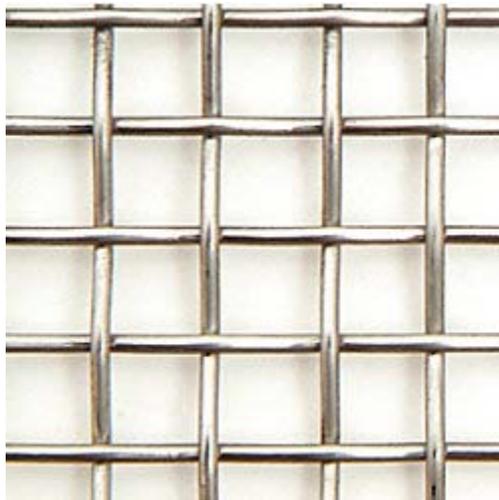
108.09PS60.P5.jpg

before any destructive testing takes place. Conduct this work within the locked and secured sample storage area to preserve chain of custody from levee to archives of the sample cut.

- Obtain a geological sample description of each sample cut.
- Equip a SLFPA-W soil lab with two microscopes, sieves, wire cloth, buckets, screens, lab supplies and a scale for use processing SLFPA-W's companion samples.

- Wire cloth specifications:

Wire Cloth, Plain Weave, Stainless Steel Material, Alloy Type 304, Plain Finish, Mesh Size 4 x 4, Mesh Size Range Coarse, Wire Dia. 0.0350 In, Opening Size 0.2150 In, Open Area 74.0 %



- Scale specifications:



Electronic scale features an easy reading digital display measuring in grams, ounces, troy ounces, or pennyweight.

Readability of 0.1 gram, a precision of 0.1 gram, and a capacity to 400 grams.

Includes both a 9-volt battery for field use and a 120-volt AC adapter for laboratory use.

- Sieves specifications:

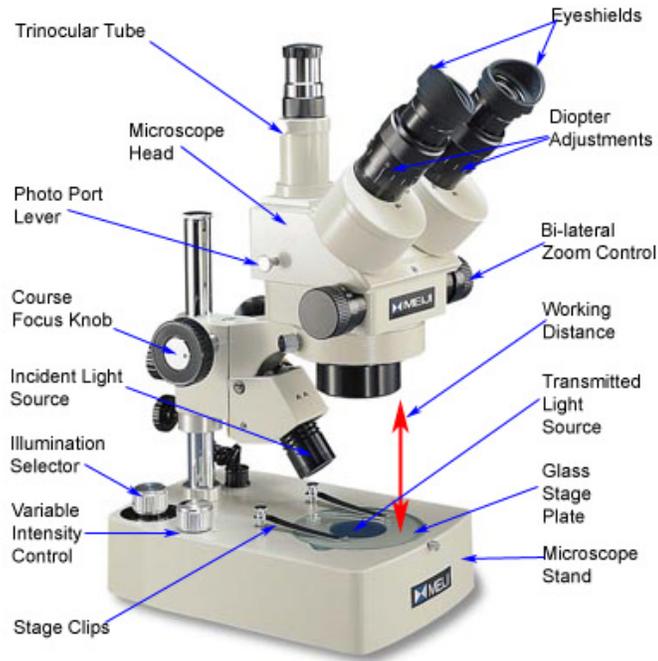


stackable sieves that fit over most 5 gallon buckets  
dump bags, buckets or shovel loads of material into these Classifying Sieves  
each sieve is made of a tough, high impact plastic frame with stainless steel screen

- Microscope and specs:
  - **EMZ-8TRD- Zoom Trinocular Stereo Body with Detent**
  - **MA502- Super WideField 10X Eyepiece Paired**
  - **PBH stand- Top and Bottom Halogen lighting with Rheostat**
  - **MA506- 10mm divided into 100 units 25 mm reticle**

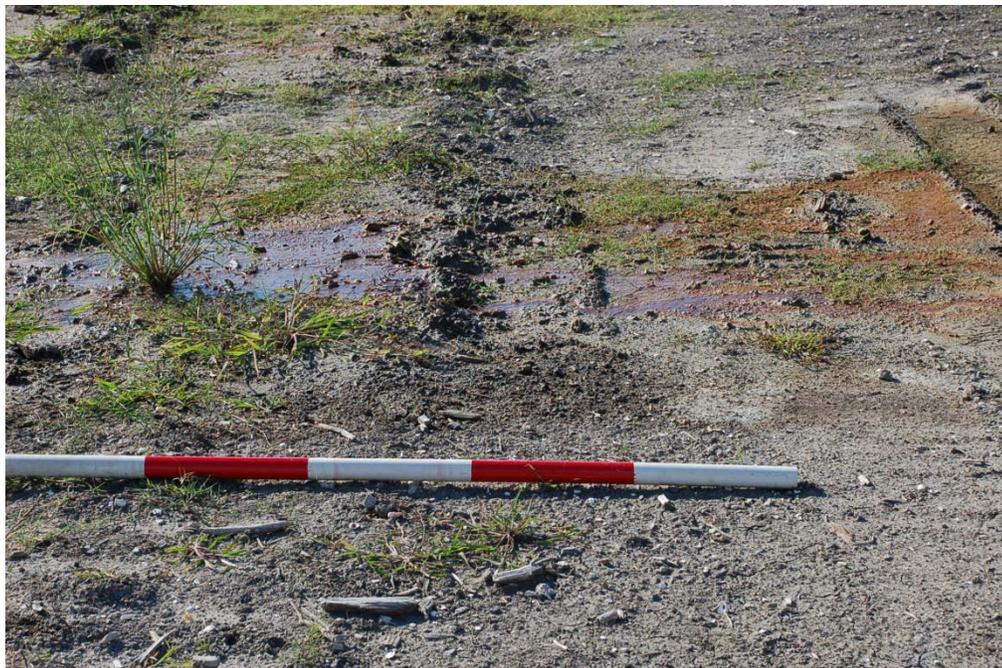
## Camera System

- **DK1000CB- ½ inch chip 2.0 MP CMOS Camera- USB 2.0 – MAC and PC compatible**
- **MA151/35/05- .5 C” mount adapter for DK100CB**



<b>Zoom Ratio:</b>	6.5:1
<b>Zoom Range:</b>	0.7x - 4.5x
<b>Zoom Control:</b>	Dual, graduated, bilateral mount
<b>Magnification:</b>	<b>7x - 45x</b> (10x eyepieces)
<b>Field of View:</b>	32mm - 5.1mm
<b>Working distance:</b>	104mm
<b>Eyeteube Inclination:</b>	45°
<b>Interpupillary Distance:</b>	54mm - 75mm
<b>Dioptric Adj:</b>	Dual (+/- 5 diopters)
<b>Extended Mag Range:</b>	2.1x - 270x
<b>Extended Distances:</b>	<b>Working</b> 38mm - 300mm

- Obtain a field study of the levee right of way and borrow pits to detail the geological formations contributing the building material or hosting the embankment.
- Use the field study cross sections of the levee right of way and clay source areas to define the subsurface characteristics affecting prior and continuing performance issues, such as seepage



or settlement (loss of elevation over time).

- Use the field study LIDAR (elevation based) geology base maps when flood fighting. Please refer to the pending proposal:

LSU Proposal No.38889  
February 2, 2012

## **Research Proposal**

### **Investigation of the Natural Sediments in the area along the Newly Raised Levee South of Westwego, LA and Associated Borrow Pits**

Submitted to  
SLFPA-W

By  
Louisiana Geological Survey  
3079 Energy, Coast, and Environment Building  
Louisiana State University  
Baton Rouge, LA 70803  
Telephone: 225 578-5320

**Principal Investigator**  
Milner, L. Riley, P. G.  
Louisiana Geological Survey  
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**Co Principal Investigators**  
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O'Neill, Patrick  
Louisiana Geological Survey  
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- Obtain an ALLU bucket, or comparable equipment, to operate as an attachment on the SLFPA-W front end loader.
  - Use this equipment to process material in the big “companion sample” bags for all wood content after geological “sample cut” process is completed.

- Retain all equipment until SLFPA-W determines whether or not to make random trenching/sampling and Allu bucket screening of levee fill brought in for a lift, or excavated for inspection within the levee as a condition of granting rights of entry, to avoid another scenario like 14 C 2.
  - Please see accompanying video showing how bucket quickly screens debris from soil.
- Compile data (on wood recovered from 451 companion samples, screened with the Allu Bucket) such as:
- weight by size category or
  - wood volume by percentage of a bulk sample size cut

to consider in connection with Tiger Team bulk sample data (consisting of as few as six samples over the entire 3.5 mile levee reach. (This would be responsive to Commissioner Wilkinson's statement to Col. Fleming at the July 25, 2011 SLFPA-W meeting questioning the statistical significance of small numbers of samples to describe a large project.)

### **Recommendations:**

- TOM Committee recommend to the SLFPA-W Board the purchase of equipment the Committee believes necessary, plus items suggested herein, together with approval of the Louisiana Geological Survey Levee right of way investigation proposal.

- SLFPA-W hire geology students from local universities to assist or replace SLFPA-W crew as needed to process the companion samples in the yard after spring college semester ends and before the hurricane season is very far along.
  
- TOM prepare its guidance, if any additional to the foregoing, to SLFPA-W staff using the Allu bucket, wire mesh screens and sieves in processing the samples to sift out wood missed by the Tiger Team.
  
- TOM provide any specific guidance it determines is appropriate for SLFPA-W authors of a report on the companion sampling.

References:

This summary was

- (1) prepared by Mike Merritt from his notes, pictures and recollections, (refreshed by preliminary drafts of the Tiger Team report),
- (2) but also benefited from technical details, in the public domain, forwarded to SLFPA-W to inform thinking about equipment commonly available to use for companion sampling processing.

Thanks also to the Louisiana Geological Survey for their time and effort originating and submitting to SLFPA-W the requested proposal for a geological field study.

Any errors or omissions are the author's.

# 21+95 CL

**shows how long branches were not picked up but were sliced into smaller pieces and left in place**





# 6 Areas of Concern



# Practice Trenching



# Geophysical Testing



# September Status



# Areas of Concern Phase 1



## WBV - 14c.2

### NEW WESTWEGO P.S. TO ORLEANS VILLAGE - PHASE 2

#### Inspection Report

**Date:** 3/24/2011      **Start Time:** 9:15 AM      **End Time:** 12:10 PM

**Weather:** Clear

**Attendees:** Don Robertson, Geneva Grille, Jeremy George

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 58% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of sheet pile along some segments. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminster Pumping Station in Jefferson Parish.

**Check In:**

- (3/22/2011) SLFPAW representatives arrived on site at 9:15 am, and met with Jeremy George (USACE) and Wayne Lundy (Phylway) at the construction trailer.

- (3/24/2011) SLFPAW representatives met with Jeremy George out on the job site at 8:30 am.

**Overall review of site visit:**

- This report is not intended to identify all items of issues, only for sample of typical issues found.

Site visit was concentrated on the floodside of the levee from Sta.0+40 to Sta.55+00. Material is being added to the floodside of the levee from Sta.55+00 to Sta.45+00. The material being dumped in this area is filled with debris and will need to be picked out. An abundant amount of small wood chips (within spec size) are being found in the levee section from Sta.55+00 to Sta.25+00. SLFPAW representatives are concerned that the amount of wood chips in this area would be beyond the 1% of organics allowed in the material, but would like USACE Geotech to determine this. SLFPAW representatives met with Wade Wright (USACE) at the WBV-14e.2 site visit later that day. He informed SLFPAW that he will be making a visit to the WBV-14c.2 jobsite today (3/24/2011), and also to the River Birch pit to investigate the debris problem.

**Debriefing:**

- SLFPAW representatives expressed their concerns about the debris in the material in the levee, and the material that is being hauled in to Jeremy George (USACE). The

current lift is being placed on top of a questionable amount of debris before the problem has been resolved; this may raise concerns of acceptability.

2. Debris in the material that is being hauled in from Sta.55+00 to Sta.45+00.

. GPS Coord: N29 53' 13.19" W090 08' 41.57"





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3. An abundant amount of small wood chips (within spec size) are being found in the levee section from Sta.55+00 to Sta.25+00. SLFPAW representatives are concerned that the amount of wood chips in this area would be beyond the 1% of organics allowed in the material, but would like USACE Geotech to determine this. SLFPAW representatives met with Wade Wright (USACE) at the WBV-14e.2 site visit later that day. He informed SLFPAW that he will be making a visit to the WBV-14c.2 jobsite today (3/24/2011), and also to the River Birch pit to investigate the debris problem. GPS Coord: N29 53" 20.82" W090 09' 14.90"





**Inspector Name(s)**

Don Robertson



**Inspector Signature(s)**

Signature on file



**WBV - 14c.2**

**NEW WESTWEGO P.S. TO ORLEANS VILLAGE - PHASE 2**

**Inspection Report**

**Date:** 3/31/2011      **Start Time:** 9:30 AM      **End Time:** 12:30 PM

**Weather:** Clear

**Attendees:** Don Robertson, Geneva Grille

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 58% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of sheet pile along some segments. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminster Pumping Station in Jefferson Parish.

**Check In:**

- (3/28/2011) SLFPAW representatives arrived on site at 10:00 am and met with Jeremy George (USACE) and Maj. Kim Giles (USACE)

**Overall review of site visit:**

- Site visit was concentrated on the floodside of the levee from Sta.0+40 to Sta.55+00. The material that is being hauled in contains a considerable amount of debris and is being picked out. On the day of the inspection, pickers were working from Sta.15+00 to Sta.0+00. Sta.55+00 to Sta.25+00 has not been picked yet. Levee accessibility was an issue later on in the week due to extreme ground saturation from inclement weather.

**Debriefing:**

- SLFPAW representatives expressed their concerns about the debris in the material in the levee, and the material that is being hauled in to Jeremy George (USACE) and Maj. Kim Giles (USACE). These areas are being picked before the next levee lifts are being placed.

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2. Debris in the material that is being hauled in from Sta.55+00 to Sta.25+00. Area has not been picked yet but USACE assured SLFPAW representatives that this area would be picked before the next levee lift was placed. Levee accessibility was an issue later on in the week due to extreme ground saturation from inclement weather. GPS Coord: N29 53' 13.19" W090 08' 41.57"





3.

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Inspector Name(s)

Don Robertson

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Inspector Signature(s)

Signature on file

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## WBV - 14c.2

### NEW WESTWEGO P.S. TO ORLEANS VILLAGE - PHASE 2

#### Inspection Report

**Date:** 4/7/2011      **Start Time:** 12:30 PM      **End Time:** 3:00 PM

**Weather:** Clear

**Attendees:** Don Robertson, Geneva Grille

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 58% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of sheet pile along some segments. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminster Pumping Station in Jefferson Parish.

**Check In:**

- SLFPAW representatives arrived on site at 12:30 pm and met with Jeremy George (USACE) at the project trailer. Both parties began site visit and Phylway reps joined site visit at 1:00 pm.

**Overall review of site visit:**

- Site visit began on the floodside of the levee between Sta.0+44 to Sta.55+00. The material that is being hauled in contains a considerable amount of debris and is being picked out. Pickers were at approx. Sta.15+00 during site visit. Levee lifts are being placed on top of an abundant amount of small wood chips (within spec size) in this area. Phylway reps informed SLFPAW that USACE stopped hauling of material to this area until the problem is further investigated. Currently, material is being hauled to the south east end of the job for levee lifts.

- No active work is currently going on between Sta.65+00 to Sta.107+00, but some debris was found on the floodside of the levee and noted. This area is at elev.+13.0'.

- Material is being hauled in between Sta.124+00 to Sta.175+00. Material contains some debris and needs to be disced and picked out. Pickers were on the other end of the job site during site visit. Area where material is being placed is at elev.+10.0'.

**Debriefing:**

- SLFPAW, USACE, and Phylway agree that debris remains a problem. USACE stopped hauling of material between Sta.0+44 to Sta.55+00 to investigate problem with wood chips and smaller debris.

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2. Sta.0+44 to Sta.55+00.

- The material that was being hauled in contains a considerable amount of debris and is being picked out.
- Pickers were at approx. Sta.15+00 during site visit.
- This area is currently at elev.+8.0'.

. GPS Coord: N29 53" 20.82" W090 09' 14.90"









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3. Sta.65+00 to 107+00 (floodside).  
- No active work was going on during time of site visit but some debris was found and noted.  
- Area is currently at elev.+13.0'. GPS Coord: N29 53' 13.19" W090 08' 41.57"







4. Sta.124+00 to Sta.175+00.

- Material contains some debris and needs to be disced and picked out. Pickers were on the other end of the job site during site visit.

- Area where material is being placed is currently at elev.+10.0'. GPS Coord: N29 52' 34.73" W090 08' 17.09"







5. An abundant amount of small wood chips (within spec size) is being found in the levee section from Sta.0+44 to Sta.55+00. USACE stopped hauling of material from Sta.0+44 to Sta.55+00 to investigate problem with wood chips and smaller debris. Levee lifts were being placed on top of these wood chips. GPS Coord: N29 53" 20.82" W090 09' 14.90"







**Inspector Name(s)**

Don Robertson



**Inspector Signature(s)**

Signature on file



## WBV - 14c.2

### NEW WESTWEGO P.S. TO ORLEANS VILLAGE - PHASE 2

#### Inspection Report

**Date:** 4/12/2011      **Start Time:** 8:45 AM      **End Time:** 11:52 AM

**Weather:** Clear

**Attendees:** Don Robertson, Geneva Grille

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 58% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of I-wall and T-wall on each side of Westminister Pumping Station. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminister Pumping Station in Jefferson Parish.

Check In:

- (4/12/2011) SLFPAW representatives arrived on site at 8:45 am. SLFPAW representatives attended the 11:00 am progress meeting later that day.
- (4/13/2011) SLFPAW representatives met with Jeremy George (USACE) and Wayne Lundy (Phylway) on the job site at 1:00 pm.

Overall review of site visit:

- Site visit began on the east end of the job (Sta.119+00 to Sta.182+00). A considerable amount of large debris, stones, and smaller wood chips was found on the levee section in this area. Contractor informed SLFPAW reps that the area had been sealed due to expecting rains earlier in the week. This area needs to be picked before more material is placed.
- Between Sta.55+00 and Sta.60+51, the levee is currently being degraded to elevation +3.0'. Geotextile will be installed at this elevation. 200 ft of existing vinyl sheet pile will be cut to elevation -1.0'.
- Work remains on hold from Sta.0+44 to Sta.55+00 to investigate problem with wood chips and smaller debris.
- From Sta.119+00 to Sta.182+00, work continues on enlarging and filling in the protected side berm in accordance with the contract modification to eliminate seepage problems.
- All sheet piling on the west side of Westminister Pump Station have been driven. H piles for monolith C were complete and H piles for monolith D were being started.

Debriefing:

- All issues and concerns were discussed at the progress meeting held that day. Sta.0+44 to Sta.55+00 remains on hold to investigate problem with smaller wood chips. Concerns with larger debris on the east end of the job (Sta.119+00 to Sta.182+00) were brought up to USACE and Phylway representatives.

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2. ISSUE: Sta.0+44 to Sta.55+00.

- Work remains on hold to investigate smaller debris problem.
- . GPS Coord: N29 53" 20.82" W090 09' 14.90"







3. Sta.55+00 to Sta.60+51

- Levee is currently being degraded to elevation +3.0'. Geotextile will be installed at this elevation. 200 ft of existing vinyl sheet pile will be cut to elevation -1.0'.
- . GPS Coord: N29 53' 13.19" W090 08' 41.57"



4. ISSUE: Sta.119+00 to Sta.182+00

- A considerable amount of large debris, stones, and smaller wood chips was found in the levee section in this area (not berms). Contractor informed SLFPAW reps that the area had been sealed due to expecting rains earlier in the week. This area needs to be picked before more material is placed. GPS Coord: N29 52' 34.73" W090 08' 17.09"













5. Sta.119+00 to Sta.182+00

- Work continues on enlarging and filling in the protected side berm in accordance with the contract modification to eliminate seepage problems. GPS Coord: N29 52' 34.73" W090 08' 17.09"





6. All sheet piling on the west side of Westminster Pump Station have been driven. H piles for monolith C were complete and H piles for monolith D were being started.  
GPS Coord: N29 52' 34.73" W090 08' 17.09"





**Inspector Name(s)**

Don Robertson

**Inspector Signature(s)**

Signature on file

## WBV - 14c.2

### NEW WESTWEGO P.S. TO ORLEANS VILLAGE - PHASE 2

#### Inspection Report

**Date:** 4/19/2011      **Start Time:** 8:10 AM      **End Time:** 11:13 AM

**Weather:** Clear

**Attendees:** Don Robertson, Geneva Grille, David Roark, Ronald Forrester

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 58% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of I-wall and T-wall on each side of Westminister Pumping Station. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminister Pumping Station in Jefferson Parish.

Check In:

- (4/19/2011) SLFPA-W representatives met with Jeremy George (USACE) at 8:10 am at the construction trailers. Both parties proceeded with site visit.
- (4/20/2011) SLFPA-W representatives met with USACE reps at the construction trailers. A geotech evaluation of unsuitable material by volume was held on this day.

Overall review of site visit:

- Between Sta.55+00 and Sta.60+51, the levee has been degraded to elevation +3.0'. Geotextile has been installed and the first lift is being placed.
- All sheet piling on the west side of Westminister Pump Station has been driven. H-piles for monolith D are driven and H-piles for monolith E were being driven.
- On the east end of the job (Sta.119+00 to Sta.182+00) work continues on enlarging and filling in the protected side berm. A considerable amount of large debris, stones, and smaller wood chips was found in this area. Pickers were at approx. Sta.120+00 during the site visit, picking the levee and the flood side berm.
- On 4/20/2011 a geotech evaluation of unsuitable material by volume was held. Samples were taken from 6 areas ranging from the flood side berm to the crown of the levee. (3 from Westwego levee, 3 from Westminister East/West levee).

Debriefing:

- All issues and concerns were discussed between SLFPAW and USACE representatives that day. Debris throughout the levee system is the biggest issue of concern at the moment.

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2. Between Sta.55+00 and Sta.60+51, the levee has been degraded to elevation +3.0'. Geotextile has been completely installed at this elevation and the first lift is being placed on top.

. GPS Coord: N29 53' 13.19" W090 08' 41.57"



3. All sheet piling on the west side of Westminster Pump Station has been driven. H piles for monolith D were complete and H piles for monolith E were starting to be driven. GPS Coord: N29 52' 34.73" W090 08' 17.09"



4. On 4/20/2011 a geotech evaluation of unsuitable material by volume was held. Samples were taken from 6 areas ranging from the floodside berm to the crown of the levee. (3 from Westwego levee, 3 from Westminster East/West Levee) Results of the test will be available after 1 and a half weeks. GPS Coord: N29 53' 20.82" W090 09' 14.90"





5. ISSUE: On the east end of the job (Sta.119+00 to Sta.182+00) work continues on enlarging and filling in the protected side berm in accordance with the contract modification to eliminate seepage problems. A considerable amount of large debris, stones, and smaller wood chips was found in this area. Pickers were at approx. Sta.120+00 during the site visit, picking the levee and the flood side berm. GPS Coord: N29 52' 34.73" W090 08' 17.09"

















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Inspector Name(s)

Don Robertson

Inspector Signature(s)

Signature on file

## WBV - 14c.2

### NEW WESTWEGO P.S. TO ORLEANS VILLAGE - PHASE 2

#### Inspection Report

**Date:** 4/28/2011      **Start Time:** 7:52 AM      **End Time:** 11:03 AM

**Weather:** Clear

**Attendees:** Don Robertson, Ronald Forrester

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 58% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of I-wall and T-wall on each side of Westminister Pumping Station. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminister Pumping Station in Jefferson Parish.

Check-In :

- (4/28/2011) SLFPA-W representatives met with Jeremy George (USACE) on the job site at 7:52 a.m. Both parties were present during the site visit.

Overall review of site visit:

- West end of job (Sta.0+44 to Sta.55+00). Material has been hauled in to this area earlier in the week. A considerable amount of large debris, stones, and smaller wood chips was found in this area. Pickers were at approx Sta.45+00 during site visit.

- At approx Sta.55+00, the levee is being degraded to elevation +3.0' where geotextile will be installed.

- A considerable amount of debris is being found from Sta.68+00 to Sta.112+00 (north/south levee). Material is being added to the protected side berm in this area at approx. Sta.110+00, debris is also being found in this material.

- All sheet piling on the west side of Westminister Pump Station has been driven. H-piles are currently being driven at monolith F.

- On the east end of the job (Sta.119+00 to Sta.182+00) debris is being found within the levee section and on the protected side berm.

Debriefing:

- All issues and concerns were discussed between SLFPAW and USACE representatives that day. Debris throughout the levee system is the biggest issue of concern at the moment.

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2. Sta.0+44 to Sta.55+00.

- Material has been hauled in to this area earlier in the week. A considerable amount of large debris, stones, and smaller wood chips was found in this area. Pickers were at approx Sta.45+00 during site visit. GPS Coord: N29 53" 20.82" W090 09' 14.90"





















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3. At approx Sta.55+00, the levee is being degraded to elevation +3.0' where geotextile will be installed. GPS Coord: N29 53' 13.19" W090 08' 41.57"



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4. A considerable amount of debris is being found from Sta.68+00 to Sta.112+00 (north/south levee). Material is being added to the protected side berm in this area at approx. Sta.110+00, debris is also being found in this material. GPS Coord: N29 52' 34.73" W090 08' 17.09"









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5. All sheet piling on the west side of Westminster Pump Station has been driven. H-piles are currently being driven at monolith F. GPS Coord: N29 52' 34.73" W090 08' 17.09"



6. On the east end of the job (Sta.119+00 to Sta.182+00) debris is being found within the levee section and on the protected side berm. GPS Coord: N29 52' 34.73" W090 08' 17.09"









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**Inspector Name(s)**

Don Robertson

**Inspector Signature(s)**

**Signature on file**

**WBV - 14c.2**

**NEW WESTWEGO P.S. TO ORLEANS VILLAGE - PHASE 2**

**Inspection Report**

**Date:** 5/3/2011      **Start Time:** 8:30 AM      **End Time:** 11:15 AM

**Weather:** Clear

**Attendees:** Don Robertson, Geneva Grille

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 64% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of I-wall and T-wall on each side of Westminister Pumping Station. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminister Pumping Station in Jefferson Parish.

**Check-In:**

- (5/3/2011) SLFPA-W reps met with Jeremy George (USACE) at the construction trailers at 8:30 a.m. Both parties were present during site visit.

**Overall review of site visit:**

- West end of job (Sta.0+44 to Sta.55+00). No material was being hauled into area during time of inspection. Area is up to elev. +10'. Degrade of existing levee is scheduled to begin next week. Much less debris is being found in the levee section.

- All sheet piling on the west side of Westminister Pump Station has been driven. H-piles are currently being driven at monolith G.

- On the east end of the job (Sta.119+00 to Sta.182+00) material is being hauled in to fill the protected side berm. Some debris is being found on the surface in this area.

**Debriefing:**

- All issues and concerns were discussed between SLFPAW and USACE representatives that day. Debris throughout the levee system remains to be an issue, although the material being hauled in is cleaner than previous material.

2. West end of job (Sta.0+44 to Sta.55+00). No material was being hauled into area during time of inspection. Area is up to elev. +10'. Degrade of existing levee is scheduled to begin next week. Much less debris is being found in the levee section. GPS Coord: N29 53" 20.82" W090 09' 14.90"



3. All sheet piling on the west side of Westminster Pump Station has been driven. H-piles are currently being driven at monolith G. GPS Coord: N29 52' 34.73" W090 08' 17.09"





4. On the east end of the job (Sta.119+00 to Sta.182+00) material is being hauled in to fill the protected side berm. Some debris is being found on the surface in this area.  
GPS Coord: N29 52' 34.73" W090 08' 17.09"







Inspector Name(s)

Don Robertson

Inspector Signature(s)

Signature on file

## WBV - 14c.2

### NEW WESTWEGO P.S. TO ORLEANS VILLAGE - PHASE 2

#### Inspection Report

**Date:** 5/12/2011      **Start Time:** 12:55 PM      **End Time:** 2:55 PM

**Weather:** Clear

**Attendees:** Don Robertson, Geneva Grille

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 64% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of I-wall and T-wall on each side of Westminister Pumping Station. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminister Pumping Station in Jefferson Parish.

**Check-In:**

- (5/12/2011) SLFPA-W reps met with Jeremy George (USACE) out on the job site at 12:55 p.m.

**Overall review of site visit:**

- West end of job (Sta.0+44 to Sta.55+00). The new levee is up to elevation 10 in this area and the degrade of the existing levee is in progress. A large amount of concrete rocks is being found in the existing levee. Contractor will need to go through this area and pick out unsuitables.

- North/South levee (Sta.68+00 to Sta.112+00). Contractor was hauling in material to the protected side berm during site visit (approx. Sta.95+00). Material is much cleaner than previous material that had been hauled into job site but the area will still need to be picked. Pickers were at approx. Sta.105+00 during site visit.

- East end of the job (Sta.119+00 to Sta.182+00). No active work was being performed on this end of the job, but some unsuitables were found on the protected side berm.

**Debriefing:**

- SLFPA-W reps expressed their concerns to Jeremy George (USACE) about the concrete being found in the existing levee that is being degraded (approx. Sta.0+44 to Sta.55+00). Debris throughout the levee system remains to be an issue, although the material being hauled in is cleaner than previous material.

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2. West end of job (Sta.0+44 to Sta.55+00). The new levee is up to elevation 10 in this area and the degrade of the existing levee is in progress. A large amount of concrete rocks is being found in the existing levee. Contractor will need to go through this area and pick out unsuitables. GPS Coord: N29 53" 20.82" W090 09' 14.90"







3. North/South levee (Sta.68+00 to Sta.112+00). Contractor was hauling in material to the protected side berm during site visit (approx. Sta.95+00). Material is much cleaner than previous material that had been hauled into job site but the area will still need to be picked. Pickers were at approx. Sta.105+00 during site visit. GPS Coord: N29 52' 34.73" W090 08' 17.09"





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4. East end of the job (Sta.119+00 to Sta.182+00). No active work was being performed on this end of the job, but some unsuitables were found on the protected side berm. GPS Coord: N29 52' 34.73" W090 08' 17.09"







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**Inspector Name(s)**

Don Robertson

**Inspector Signature(s)**

**Signature on file**

## WBV - 14c.2

### NEW WESTWEGO P.S. TO ORLEANS VILLAGE - PHASE 2

#### Inspection Report

**Date:** 5/18/2011      **Start Time:** 8:32 AM      **End Time:** 12:16 PM

**Weather:** Clear

**Attendees:** David Roark, Geneva Grille, Chad Thibodaux, Jeremy George

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 68% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of I-wall and T-wall on each side of Westminster Pumping Station. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminster Pumping Station in Jefferson Parish.

#### Check-In:

Arrived on site at 8:32am, met with USACE inspector (Chad Thibodaux). USACE conducted site visit beginning at concrete placement of monolith E base slab. Inspector stayed with concrete placement operation and SLFPA-W continued on with site visit. Periodically the USACE inspectors would check in with SLFPA-W on site.

#### Overall review of site visit:

##### Flood Walls:

Contractor has completed driving of all H-pile and cut off sheet pile. Installation of uplift anchors is not complete at monoliths A and B. Concrete has been placed for monoliths C, D and F base slabs. Contractor placing concrete at base slab for monolith E today.

##### Levee:

###### - West end of project (Sta.0+44 to Sta.55+00):

The new levee is up to elevation 10.0' in this area and the degrading of the existing levee is in progress. Material is being placed and compacted atop the new levee. Material from degraded levee contains concrete, bricks and wood debris. SLFPA-W reviewed top of new levee ahead of placement operation and noted some debris. Approximately a 1' lift has been placed on the flood side berm between approximate stations 0+44 and 10+00. Material appears not to have been disked, cleaned of debris or graded to final grade; contains debris.

###### - North/South levee (Sta.68+00 to Sta.112+00):

Contractor wetting and compacting crown of levee between approximate stations 95+00 and 110+00. SLFPA-W noted concrete debris in crown and slope (protected side) of levee.

- East end of the project (Sta.119+00 to Sta.182+00):

Contractor placing material along the protected side berm. SLFPA-W reviewed several areas and noted that the debris found was large in size but not as abundant as previous material. USACE inspector stated that debris will be removed during disking operation before final grading.

Debriefing:

Reviewed areas containing debris with USACE inspectors.

West end of project approximate stations 0+44 to 55+00:

- Debris in material from degraded levee, material to be disked and picked before next lift is placed.

- Debris in material placed along flood side berm between approximate stations 0+44 and 10+00. Material to be disked and debris removed before final grading.

North/South levee (Sta.68+00 to Sta.112+00):

USACE to review area again for debris.

East end of the project (Sta.119+00 to Sta.182+00):

Debris in material placed along protected side berm. Contractor to disk and remove debris before final grading.

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## 2. Flood Wall:

- Driving of all H-pile and cut off sheet pile is complete. Installation of uplift anchors is not complete at monoliths A and B.

- Concrete has been placed for monoliths C, D and F base slabs.

- Contractor placing concrete at base slab for monolith E today. GPS Coord: N29 53.827' W090 09.502'





3. Levee, West end of project (Sta.0+44 to Sta.55+00):
- The new levee is up to elevation 10.0' in this area.
  - Degrading of the existing levee is in progress. GPS Coord: N29 53.306' W090 09.053'





- 
4. West end of project (Sta.0+44 to Sta.55+00):  
Approximately a 1' lift has been placed on the flood side berm between approximate stations 0+44 and 10+00. GPS Coord: N29 53.320' W090 09.202'





5. - East end of the project (Sta.119+00 to Sta.182+00):  
 Contractor placing material along the protected side berm. GPS Coord: Noted on photos



6. Issue:  
 West end of project (Sta.0+44 to Sta.55+00):  
 SLFPA-W reviewed top of new levee ahead of placement operation and noted some debris. GPS Coord: Noted on photos



7. Issue:

West end of project (Sta.0+44 to Sta.55+00):

Material from degraded levee contains concrete, bricks and wood debris. Material is to be disked and debris removed before next lift (see previous issue). GPS Coord:

Noted on photos











8. Issue:

Approximately a 1' lift has been placed on the flood side berm between approximate stations 0+44 and 10+00. Material appears not to have been disked, cleaned of debris or graded to final grade; contains debris. GPS Coord: Noted on photos





9. Issue:

North/South levee (Sta.68+00 to Sta.112+00):

SLFPA-W noted concrete debris in crown and slope (protected side) of levee. GPS

Coord: Noted on photos







10. Issue:

East end of the project (Sta.119+00 to Sta.182+00):

Contractor placing material along the protected side berm. SLFPA-W reviewed several areas and noted that the debris found was large in size but not as abundant as previous material. USACE inspector stated that debris will be removed during diking operation before final grading. GPS Coord: Noted on photos









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11. Progress Meeting:

Meetings are scheduled for the 2nd Tuesday of each month at 11:00am. The next progress meeting is scheduled for 14-Jun-2011 at the construction site trailer.

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**Inspector Name(s)**

David Roark



**Inspector Signature(s)**

Signature on file



## WBV - 14c.2

### NEW WESTWEGO P.S. TO ORLEANS VILLAGE - PHASE 2

#### Inspection Report

**Date:** 5/27/2011      **Start Time:** 10:12 AM      **End Time:** 12:26 PM

**Weather:** Clear

**Attendees:** Don Robertson, Geneva Grille, Jeremy George

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 68% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of I-wall and T-wall on each side of Westminster Pumping Station. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminster Pumping Station in Jefferson Parish.

**Check-In:**

- SLFPAW reps arrived on site at 10:12am, met with Jeremy George(USACE) at the construction trailers. USACE conducted site visit.

**Overall review of site visit:**

**Floodwalls:**

-Contractor has completed driving of all H-pile and cut off sheet pile. Concrete has been placed for base slabs F and G. Base slab H was being placed during site visit.

**Levee:**

- West end of project (Sta.0+44 to Sta.55+00):

The new levee is up to elevation 11.0' in this area and the degrading of the existing levee is complete. Material from degraded levee contains concrete, bricks, and wood debris. Material needs to be disked and picked before another lift is placed in this area.

- North/South levee (Sta.68+00 to Sta.112+00):

Final 6" lift is being installed in this area. Pickers have picked the entire north/south levee this week. Contractor plans to seed this levee within the next few weeks. SLFPAW will be notified before the seeding of this levee for a final inspection.

- East end of the project (Sta.119+00 to Sta.182+00):

Contractor is placing material along the protected side berm at approx Sta.170+00. Throughout the levee and berm of this area concrete and wood debris was found.

Debriefing held between SLFPAW reps and USACE:

- West end of project approximate stations (0+44 to 55+00):  
Debris in material from degraded levee, material to be disked and picked before next lift is placed.
- North/South levee (Sta.68+00 to Sta.112+00):  
SLFPAW reps will be notified before seeding of this levee is to take place.
- East end of the project (Sta.119+00 to Sta.182+00):  
Debris in material being placed and throughout levee section. Contractor to disk and remove debris before final grading.

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## 2. Floodwalls:

-Contractor has completed driving of all H-pile and cut off sheet pile. Concrete has been placed for base slabs F and G. Base slab H was being placed during site visit.  
GPS Coord: N29 53.827' W090 09.502'



3. West end of project (Sta.0+44 to Sta.55+00):

The new levee is up to elevation 11.0' in this area and the degrading of the existing levee is complete. Material from degraded levee contains concrete, bricks, and wood debris. Material needs to be disked and picked before another lift is placed in this area. GPS Coord: N29 53.306' W090 09.053'







- 
4. North/South levee (Sta.68+00 to Sta.112+00):  
Final 6" lift is being installed in this area. Pickers have picked the entire north/south levee this week. Contractor plans to seed this levee within the next few weeks. SLFPAW will be notified before the seeding of this levee for a final inspection. GPS Coord: N29 53.320' W090 09.202'



- 
5. East end of the project (Sta.119+00 to Sta.182+00):  
Contractor is placing material along the protected side berm at approx Sta.170+00.  
Throughout the levee and berm of this area concrete and wood debris was found.  
GPS Coord: N29 53.320' W090 09.202'







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6. Progress Meeting:

Meetings are scheduled for the 2nd Tuesday of each month at 11:00am. The next progress meeting is scheduled for 14-Jun-2011 at the construction site trailer.

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**Inspector Name(s)** Don Robertson

**Inspector Signature(s)** Signature on file

## WBV-14c.2

### NEW WESTWEGO PUMP STATION TO ORLEANS VILLAGE

#### Inspection Report

**Date:** 8/30/2011

**Start Time:** 1:21pm

**End Time:** 3:33pm

**Weather:** Clear

**Attendees:** David Roark, Jeremy George, Trung-quan Nguyen

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1. WBV-14c.2 - New Westwego Pump Station to Orleans Village.

Contractor: Phylway

Contract Award Date: 26-Jun-10

Substantial Completion Date: 09-Jul-11

Contract Value: \$28,769,375

WBV-14c.2 is 80% complete.

This contract involves raising the elevation of approximately 3.5 miles of existing earthen levee to the 100-year level of protection. This is the same levee segment that was restored during Phase 1 activities. Construction will also include the installation of I-wall and T-wall on each side of Westminster Pumping Station. These levee improvements will occur east of the New Westwego Pumping Station to a point on the levee approximately 1 mile east of the Westminster Pumping Station in Jefferson Parish.

**Check-In:**

SLFPA-W arrived on site at 1:21pm met with Jeremy George (USACE). USACE conducted site visit.

**Overall review of site visit:**

The levee section running north/south has been seeded and the contractor requested that we do not travel this section of the levee.

Reviewed the west end of the project where 4<sup>th</sup> lift of material is being placed along the protected side berm at approximate station 17+00. Material is very clean and no debris was noted. Also noted the degrading and hauling off of the existing levee (protected side) at approximate station 30+00. The existing levee will be degraded to elevation 5.5'.

Reviewed the east end of project. The levee has been constructed to an approximate station 13.2' between approximate stations 118+00 and 181+00. This section will receive another 6" lift and final grading. The protected side berm is constructed to grade less final grading in some areas. Contractor is placing fill along the protected side berm at approximate station 138+00, this material will be pushed into the levee and the flood side berm for final grading.

**Debriefing:**

- SLFPA-W noted the USACE QAR and CPRA flagging debris during site visit. Debris was noted along the west end levee section (crown).

- The debris noted along the east end levee section was a lot of small pieces of wood.

---

2. East end of project (Sta.181+00 to Sta.181+00):

Levee has been constructed to an approximate station 13.2'. This section will receive another 6" lift and final grading.

The protected side berm is constructed to grade less final grading in some areas.

Contractor is placing fill along the protected side berm at approximate station 138+00, this material will be pushed into the levee and the flood side berm for final grading.





3. North/South Levee and (Sta.109+00 to Sta.70+00):  
Levee section running north/south has been seeded and the contractor requested that we do not travel this section of the levee.
- 

4. West end of project (Sta.55+00 to Sta.0+00):  
4<sup>th</sup> lift of material is being placed along the protected side berm at approximate station 17+00. Material is very clean and no debris was noted.  
Contractor is degrading and hauling off of the existing levee (protected side) at approximate station 30+00. The existing levee will be degraded to elevation 5.5'. Some of this material has been pushed to the flood side which the contractor has begun to pile up to remove.



P1070147



8/30/2011 1:57:51 PM Lat=N29 53.319' Lon=W090 09.098'

P1070148



8/30/2011 1:58:38 PM Lat=N29 53.268' Lon=W090 08.821'

P1070151



8/30/2011 2:13:35 PM Lat=N29 53.198' Lon=W090 08.529'

P1070150



8/30/2011 2:13:30 PM Lat=N29 53.198' Lon=W090 08.529'

5. Issue: Debris

SLFPA-W noted the USACE QAR and CPRA flagging debris during site visit. Debris was noted along the west end levee section (crown).

Debris noted along the east end levee section was a lot of small pieces of wood in the approximate last 1,000 ft.



6. Progress Meeting:

Meetings are scheduled for the 2nd Tuesday of each month at 11:00am. The next progress meeting is scheduled for 13-Aug-2011 at the construction site trailer.

<b>INSPECTORS QUALITY ASSURANCE REPORT (QAR)</b> <b>DAILY LOG OF CONSTRUCTION - CIVIL</b> <i>(ER 1180-1-6)</i>						THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR			
						REPORT NUMBER			
						274		Page 1 of 2	
TO Resident Engineer & C/CD (Thru CD-NW)						DATE 22 Mar 2011 - Tuesday			
PROJECT WBV-14c.2 Westwego PS Phase 2						CONTRACT NUMBER W912P8-09-D-0046 0008			
CONTRACTOR (Or hired Labor) Phylway Construction, LLC						WEATHER Weather Caused No Delay			
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS						TEMPERATURE		WIND	
STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE	MINIMUM	MAXIMUM			
100 %	100 %	100 %	100 %	100 %	62 °F	83 °F	10 MPH		
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT ?						<input checked="" type="checkbox"/> NO			
						<input type="checkbox"/> YES (Explain)			
						24 HOUR PRECIPITATION			
						INCHES		ENDING	
						0.00		24:00 M	
NUMBER OF GOVERNMENT EMPLOYEES						RIVER STAGE			
SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR	FEET	TIME		
0	0	0	1	1	0	0.0			
NUMBER OF CONTRACTOR'S EMPLOYEES				NUMBER OF SHIFTS					
				<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3					
SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
5	14	13	32	0630	M 1830	M	M	M	M
Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite. Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.									
<b>QA NARRATIVE(S)</b>									
<b>List of Subcontractors</b> Jeremy George, A/E Boh Brothers: Floodwall tie-in									
<b>Work Performed Today:</b> Jeremy George, A/E Phylway: Continued hauling embankment material from River Birch Borrow area. Used dozers to place material C/L Sta 135+00 to 142+00, 5th lift. Used dozers to degrade and place P/S haul road material within new levee section, Sta 95+00 to 100+00. Used excavator to load unsuitable existing levee material between Sta 181+65 to 162+00 into trucks and hauled offsite. Laborers picking debris from material hauled to site, Sta 45+00 to 35+00. Tractor with disk processed in place material to help lower moisture. Performed 7 QC compaction tests.  Boh Brothers: Continued driving 30' PZ-22 sheet piles north of Westminster PS. Drove 14 pair of 30' sheet pile today.									
<b>Days of No Work and Reasons for Same:</b> Jeremy George, A/E Weather has impacted 7 days for the month of March.									
<b>Information on Progress of Work, Causes and Extent of Delays:</b> Jeremy George, A/E Contract time elapsed: 68% Actual work complete: 64%  Approx. 4086 c.y. of embankment material hauled to site today. (loose measure) Approx. 913172 c.y. of embankment material hauled to site to date. (loose measure)									
<b>CQC Inspection Phases Attended and Instructions Given:</b> Jeremy George, A/E None.									
<b>Results of QA Inspections and Tests, Deficiencies Observed, Actions Taken:</b> Jeremy George, A/E Visually ensured in place material was properly scarified prior to placement of additional lift material. Ensured moisture of material delivered to site was within range for placement. Visually observed laborers picking wood debris from the in place material hauled in from River Birch. Witnessed compaction test CT 417-423 performed by contractors lab. Ensured samples were secured at test locations to run additional lab tests that are required. Results will follow. Visually inspected Sta 45+00 to 35+00 to ensure all objectionable material was removed. It appeared that all objectionable material was removed, with only small pieces of wood, smaller than the objectionable size as stated in contract documents, remaining. Ensured survey equipment and hand levels were in use to ensure plumb and proper sheet pile wall alignment.									

<b>INSPECTORS QUALITY ASSURANCE REPORT (QAR)</b> <b>DAILY LOG OF CONSTRUCTION - CIVIL</b> <i>(ER 1180-1-6)</i>		THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR	
		REPORT NUMBER 274	Page 2 of 2
TO Resident Engineer & C/CD (Thru CD-NW)	DATE 22 Mar 2011 - Tuesday		
PROJECT WBV-14c.2 Westwego PS Phase 2	CONTRACT NUMBER W912P8-09-D-0046 0008		
<p><b>Verbal Instructions Given to Contractor:</b>          Jeremy George, A/E None</p> <p><b>Information, Instructions or Actions Not Covered in QCR:</b>          Jeremy George, A/E Contractor has not yet repaired the orange safety fencing in areas where it was damaged by high winds.</p> <p><b>Controversial Matters in Detail:</b>          Jeremy George, A/E None.</p> <p><b>Remarks (Include visitors to project and misc remarks pertinent to work):</b>          Jeremy George, A/E SLFPA-W reps David and Ronnie visited site today. We viewed areas where objectionable debris was removed between Sta 55+00 to 35+00. Don and Geneva also visited site to view same areas. Don photographed areas where objectionable material had not yet been removed between Sta 20+00 to 0+44.</p> <p><b>Safety:</b>          Jeremy George, A/E Ensured dump trucks followed safe driving practices while onsite. Ensured ear protection was in use near pile driving operation. Ensured onsite personnel wore proper PPE for tasks being performed.</p> <p><b>Daily Environmental Inspection</b>          Jeremy George, A/E No fuel or oil leaks noted. No harm to local wildlife observed.</p>			
INSPECTOR'S SIGNATURE	DATE	SUPERVISOR'S INITIALS	DATE

<b>INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - CIVIL (ER 1180-1-6)</b>						THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR			
						REPORT NUMBER			
						276	Page 1 of 2		
TO Resident Engineer & C/CD (Thru CD-NW)						DATE 24 Mar 2011 - Thursday			
PROJECT WBV-14c.2 Westwego PS Phase 2						CONTRACT NUMBER W912P8-09-D-0046 0008			
CONTRACTOR (Or hired Labor) Phylway Construction, LLC						WEATHER Weather Caused No Delay			
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS						TEMPERATURE WIND			
STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE	MINIMUM	MAXIMUM	WIND		
100 %	100 %	100 %	100 %	100 %	70 °F	84 °F	10 MPH		
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT ? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (Explain)						24 HOUR PRECIPITATION			
						INCHES		ENDING	
						0.00	24:00 M		
NUMBER OF GOVERNMENT EMPLOYEES						RIVER STAGE			
SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR	FEET	TIME		
1	0	0	1	2	0	0.0			
NUMBER OF CONTRACTOR'S EMPLOYEES						NUMBER OF SHIFTS			
						<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
6	16	15	37	0630	M 11830	M	M	M	M
Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite. Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.									
<b>QA NARRATIVE(S)</b>									
<b>List of Subcontractors</b> Jeremy George, A/E Boh Brothers: Floodwall tie-in									
<b>Work Performed Today:</b> Jeremy George, A/E Phylway: Continued hauling embankment material from River Birch Borrow area. Used dozers to place material C/L Sta 55+00 to 44+00, 4th lift & Sta 35+00 to 41+00 4th lift. Used dozers to degrade the existing levee Sta 120+00 to 123+00 placing material within new levee section between same stations. Laborers picking debris from material hauled to site, Sta 25+00 to 15+00. Tractor with disk processed in place material to help lower moisture. Performed 7 QC & 5 QA compaction tests.  Boh Brothers: Survey crew set H pile location in monoliths C - G. Began to receive, offload, and assemble Manitowoc 3900 crane in afternoon.									
<b>Days of No Work and Reasons for Same:</b> Jeremy George, A/E Weather has impacted 7 days for the month of March.									
<b>Information on Progress of Work, Causes and Extent of Delays:</b> Jeremy George, A/E Contract time elapsed: 69% Actual work complete: 65%  Approx. 6390 c.y. of embankment material hauled to site today. (loose measure) Approx. 919562 c.y. of embankment material hauled to site to date. (loose measure)									
<b>CQC Inspection Phases Attended and Instructions Given:</b> Jeremy George, A/E None.									
<b>Results of QA Inspections and Tests, Deficiencies Observed, Actions Taken:</b> Jeremy George, A/E Visually ensured in place material was properly scarified prior to placement of additional lift material. Ensured moisture of material delivered to site was within range for placement. Visually observed laborers picking wood debris from the in place material hauled in from River Birch. Witnessed compaction test CT 426-432 performed by contractors lab & QA tests AT 28 - 32 performed by AAI. Ensured samples were secured at test locations to run additional lab tests that are required. Results will follow. Ensured survey equipment and hand levels were in use to ensure plumb and proper sheet pile wall alignment.									
<b>Verbal Instructions Given to Contractor:</b> Jeremy George, A/E None									

<b>INSPECTORS QUALITY ASSURANCE REPORT (QAR)</b> <b>DAILY LOG OF CONSTRUCTION - CIVIL</b> <i>(ER 1180-1-6)</i>		THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR <hr/> REPORT NUMBER <div style="display: flex; justify-content: space-between;"> <span>276</span> <span>Page 2 of 2</span> </div>																			
TO Resident Engineer & C/CD (Thru CD-NW)	DATE 24 Mar 2011 - Thursday																				
PROJECT WBV-14c.2 Westwego PS Phase 2	CONTRACT NUMBER W912P8-09-D-0046 0008																				
<p><b>Information, Instructions or Actions Not Covered in QCR:</b>          Jeremy George, A/E Contractor has not yet repaired the orange safety fencing in areas where it was damaged by high winds.</p> <p><b>Controversial Matters in Detail:</b>          Jeremy George, A/E None.</p> <p><b>Remarks (Include visitors to project and misc remarks pertinent to work):</b>          Jeremy George, A/E Don and Geneva (SLFPA-W reps) visited site today. Took photos of debris less than objectionable size in areas that have been picked and took photos of debris in areas that have not been picked.. T. Wade Wright (USA CE) visited the site and the borrow pit this date. Contractor remarks state that Boh Brothers is down waiting on direction for driving of a male to male bullhead to continue with sheet pile work. Boh's onsite crew worked on assembling crane most of day today</p> <p><b>Safety:</b>          Jeremy George, A/E Ensured dump trucks followed safe driving practices while onsite. Ensured fire extinguishers were in place at fueling locations. Asked contractor to have fuel tanks properly grounded. Ensured ear protection was in use near pile driving operation. Ensured onsite personnel wore proper PPE for tasks being performed.</p> <p><b>Daily Environmental Inspection</b>          Jeremy George, A/E No fuel or oil leaks noted. No harm to local wildlife observed.</p>																					
<p><b>QA TESTING</b> (Include test description, and results)</p> <p>The following QA tests were performed today:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">QA Test #</th> <th style="text-align: left;">Description</th> <th style="text-align: left;">Results</th> </tr> </thead> <tbody> <tr> <td>AT-00028</td> <td>Sta 107+07 82' P/S 6" test 1st lift WD = 115.2 QC test CT 426</td> <td>Passed</td> </tr> <tr> <td>AT-00029</td> <td>Sta 101+99 73' P/S 6" test 1st lift WD= 114.2 QC test CT 427</td> <td>Passed</td> </tr> <tr> <td>AT-00030</td> <td>Sta 96+99 C/L 12" test 7th lift &amp; sand cone WD @ 12" = 102.3 WD @ 6" = 107.9 for sand cone comparison QC test CT 428</td> <td>Passed</td> </tr> <tr> <td>AT-00031</td> <td>Sta 102+00 C/L 12" test 7th lift WD = 101.6 QC test CT 429</td> <td>Failed</td> </tr> <tr> <td>AT-00032</td> <td>Sta 107+02 C/L 12" test 7th lift WD = 99.3 QC test CT 430</td> <td>Failed</td> </tr> </tbody> </table>				QA Test #	Description	Results	AT-00028	Sta 107+07 82' P/S 6" test 1st lift WD = 115.2 QC test CT 426	Passed	AT-00029	Sta 101+99 73' P/S 6" test 1st lift WD= 114.2 QC test CT 427	Passed	AT-00030	Sta 96+99 C/L 12" test 7th lift & sand cone WD @ 12" = 102.3 WD @ 6" = 107.9 for sand cone comparison QC test CT 428	Passed	AT-00031	Sta 102+00 C/L 12" test 7th lift WD = 101.6 QC test CT 429	Failed	AT-00032	Sta 107+02 C/L 12" test 7th lift WD = 99.3 QC test CT 430	Failed
QA Test #	Description	Results																			
AT-00028	Sta 107+07 82' P/S 6" test 1st lift WD = 115.2 QC test CT 426	Passed																			
AT-00029	Sta 101+99 73' P/S 6" test 1st lift WD= 114.2 QC test CT 427	Passed																			
AT-00030	Sta 96+99 C/L 12" test 7th lift & sand cone WD @ 12" = 102.3 WD @ 6" = 107.9 for sand cone comparison QC test CT 428	Passed																			
AT-00031	Sta 102+00 C/L 12" test 7th lift WD = 101.6 QC test CT 429	Failed																			
AT-00032	Sta 107+02 C/L 12" test 7th lift WD = 99.3 QC test CT 430	Failed																			
INSPECTOR'S SIGNATURE	DATE	SUPERVISOR'S INITIALS	DATE																		

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - CIVIL (ER 1180-1-6)						THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR				
TO Resident Engineer & C/CD (Thru CD-NW)						REPORT NUMBER				
						311		Page 1 of 2		
PROJECT WBV-14c.2 Westwego PS Phase 2						DATE 28 Apr 2011 - Thursday				
CONTRACTOR (Or hired Labor) Phylway Construction, LLC						CONTRACT NUMBER W912P8-09-D-0046 0008				
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS						WEATHER Weather Caused No Delay				
STRUCTURAL EXCAVATION		BORROW EXCAVATION		EMBANKMENT	CONCRETE	STRUCTURE		TEMPERATURE	WIND	
100 %		100 %		100 %	100 %	100 %		MINIMUM 62 °F	MAXIMUM 81 °F	20 MPH
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT ? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (Explain)						24 HOUR PRECIPITATION				
						INCHES 0.00		ENDING 24:00	M	
NUMBER OF GOVERNMENT EMPLOYEES						RIVER STAGE				
SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR		FEET	TIME		
0	0	0	2	2	0		0.0	M		
NUMBER OF CONTRACTOR'S EMPLOYEES				NUMBER OF SHIFTS						
SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO	
5	22	11	38	0630	M 1830	M	M	M	M	
<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3										
Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite. Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.										
<b>QA NARRATIVE(S)</b>										
<b>List of Subcontractors</b>										
Jeremy George, A/E Boh Brothers: Floodwall tie-in										
<b>Work Performed Today:</b>										
Jeremy George, A/E Phylway: Hauled embankment material from River Birch borrow area. Used dozers to spread material into place for 3rd, 4th & 5th lift Sta 108+00 to 80+00 P/S berm. Used excavator to continue removing the existing levee to elev +3.0, Sta 56+50 to 55+05 to place geotextile. Degrade existing levee and placed material on levee C/L for 9th lift, Sta 162+00 to 142+00. Laborers picking objectionable debris from fill hauled to site From Sta 55+00 to 25+00 C/L. Performed 2 QC compaction tests.										
Boh Brothers: Drove H piles #2 (98') and #7 (66'+66') in Monolith F. Welding tension connectors on top of H piles in Monolith D. UT tested 5 welds on tension connectors in Monolith C.										
<b>Days of No Work and Reasons for Same:</b>										
Jeremy George, A/E Weather has impacted 4 days for the month of April.										
<b>Information on Progress of Work, Causes and Extent of Delays:</b>										
Jeremy George, A/E Contract time elapsed: 77%										
Actual work complete: 72%										
Approx. 7362 c.y. of embankment material hauled to site today. (loose measure)										
Approx. 1,050,476 c.y. of embankment material hauled to site to date. (loose measure)										
<b>CQC Inspection Phases Attended and Instructions Given:</b>										
Jeremy George, A/E None.										
<b>Results of QA Inspections and Tests, Deficiencies Observed, Actions Taken:</b>										
Jeremy George, A/E Visually observed and hand test material hauled to site to ensure it is within +10% of optimum as required for placement. Visually observed tractor with disk processing material to lower moisture. Visually observed laborers picking objectionable debris from fill hauled to site. Witnessed compaction tests CT 550 - 551 performed by contractors lab. Ensured samples were secured to run additional lab tests that are required. Inspected Sta 55+00 to 35+00 5th lift C/L for debris. Some wooden debris was removed during the inspection. Contractor did not redisk area for a better inspection. Witnessed UT testing performed on tension connector welds by qualified personnel. Ensured pile driving crew used survey equipment, hand levels and tapes to ensure proper pile location, elevation and batter. Ensured lifting holes were covered with plates and welded prior to piles being driven to grade.										
<b>Verbal Instructions Given to Contractor:</b>										
Jeremy George, A/E None.										

<b>INSPECTORS QUALITY ASSURANCE REPORT (QAR)</b> <b>DAILY LOG OF CONSTRUCTION - CIVIL</b> <i>(ER 1180-1-6)</i>		THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR	
		REPORT NUMBER 311	Page 2 of 2
TO Resident Engineer & C/CD (Thru CD-NW)	DATE 28 Apr 2011 - Thursday		
PROJECT WBV-14c.2 Westwego PS Phase 2	CONTRACT NUMBER W912P8-09-D-0046 0008		
<p><b>Information, Instructions or Actions Not Covered in QCR:</b>          Jeremy George, A/E None.</p> <p><b>Controversial Matters in Detail:</b>          Jeremy George, A/E None.</p> <p><b>Remarks (Include visitors to project and misc remarks pertinent to work):</b>          Jeremy George, A/E SLFPA-W reps ( Don, Ronald) visited site this date. They photographed debris in areas not yet picked (Sta 0+44 to 45+00) and did not look at an area I informed them had been picked and was ready for inspection (Sta 55+00 to 45+00). They also photographed small debris in areas where no work is being performed ( Sta 70+00 to 108+00).</p> <p><b>Safety:</b>          Jeremy George, A/E Visually ensured dump trucks followed safe driving procedures while onsite and were dumping on level ground. Ensured welders did not wear safety vests, which can catch fire around welding or cutting operations and had fire extinguishers nearby. Ensured onsite equipment and trucks had audible back up alarms.</p> <p><b>Daily Environmental Inspection</b>          Jeremy George, A/E No fuel or oil leaks noted. No harm to local wildlife observed.</p>			
INSPECTOR'S SIGNATURE	DATE	SUPERVISOR'S INITIALS	DATE









Stn. 172+08 AS  
# 31



Site 172 H08 B5  
2/6/31



Sta. 172100 B5  
2'-3'









04/19/2011



05/26/2011



05/26/2011



05/26/2011



05/26/2011



05/26/2011



04/08/2011



04/12/2011



04/08/2011



04/08/2011



04/19/2011



03/30/2011



03/30/2011



03/30/2011



03/30/2011





11/04/2010



11/04/2010



11/04/2010



11/04/2010



11/09/2010



P1000812.JPG



1/19/2011 12:14:30 PM Lat=N29 52' 20.11" Lon=W090 08' 10.29"

P1020175

PM 3:20 AUG/11/2011

8/11/2011 3:20:18 PM Lat=N29 47.505' Lon=W090 05.764'





P1030136.JPG



5/18/2011 10:01:29 AM Lat=N29 53.327' Lon=W090 09.256'

P1030175.JPG



5/18/2011 11:03:49 AM Lat=N29 52.958' Lon=W090 08.128'

P1030176.JPG



5/18/2011 11:03:53 AM Lat=N29 52.958' Lon=W090 08.128'

P1070143



8/30/2011 1:50:35 PM Lat=N29 53.312' Lon=W090 09.093'

P1070147



8/30/2011 1:57:51 PM Lat=N29 53.319' Lon=W090 09.098'

P1070148



8/30/2011 1:58:38 PM Lat=N29 53.268' Lon=W090 08.821'

P1070149



8/30/2011 2:12:44 PM Lat=N29 53.268' Lon=W090 08.821'