Little Calumet River Basin Development Comm

6100 Southport Road
Portage, Indiana 46368

(219) 763-0696 Fax (219) 762-16
E-mail: littlecal@nirpc.org

MEETING NOTICE

THERE WILL BE A MEETING OF THE LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION

AT 6:00 P.M. WEDNESDAY, OCTOBER 7, 2009

5:30 WORK STUDY SESSION

AT THE MUNSTER TOWN HALL
1005 Ridge Road, Munster, Indiana

AGENDA

1. Call to order by Chairman Dan Dernulc
2. Pledge of Allegiance
3. Recognition of Visitors and Guests
4. Approval of Minutes from September 2, 2009
5. Chairman's Report
   - Executive Session held on September 24, 2009
   - SVIII groundbreaking ceremony held 9/29/09
   - LCRBDC Regional Stakeholder's Conference
   - Request from USGS for Commission to help fund the Hart Ditch gaging station in Munster – Cost $6,500 for period October 1, 2009 thru September 30, 2010
   - Update of Stage VII contract
     (Northcote to Columbia, both sides of the river)
     Contractor: CERES Environmental Services
     Date of Lines of Protection Completion: ±9/24/10
   - Update of Stage VIII contract
     (Columbia Ave to the state line, both sides of the river)
     Contractor: Walsh Construction Co. of Illinois
     Date of Lines of Protection Completion: ±12/9/10

• Budget transfer action

6. Action Required:
   Finance: Approval of claims for October 2009 15-17
   Approval of O&M claims for October 2009 18
   Action on USGS proposal
   Land Acq:
   Approval of paying for sewer line on DC-1302

7. Standing Committees:
   A. *Finance Committee*
      - Financial Status Report for end of August 2009 19
      - NIRPC invoice for August 2009 20
      - Corps letter requesting $385,000 – 7% cash contribution 21
      - Dept. of Administration State letter announcement of mileage rate change from 44 cents to 40 cents – effective October 1 22-23

   B. *Land Acquisition/Land Management Committee*
      Land Acquisition
      - Stage VIII Option Area right-of-entry to be given to Army Corps
      - Items of Discussion

      Land Management
      - Items of Discussion

   C. *Project Engineering Committee*
      - Stage V-2 pipeline corridor completed; NSRR work scheduled to start
      - Stage VII utilities completed
      - Update on Stage VIII utilities
      - Update on Pump Station contracts

   D. *Operation & Maintenance*
      - 2009 inspections were completed in mid-September (Marshalltown, Griffith, Highland, Forest Avenue, Burr St. South Pump Station)
      - O&M/Emergency Response summarization currently being developed
      - Items of Discussion

   E. *Legislative Committee*
      - State Budget Committee meeting held September 25 24
        > Commission approved for $5.5 million 25
      - By-Laws to be updated

8. Other Issues / New Business

9. Statements to the Board from the Floor

10. Set date for next meeting; adjournment

MINUTES OF THE LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION HELD AT 6:00 P.M. WEDNESDAY, SEPTEMBER 2, 2009

Held at
Munster Town Hall,
1005 Ridge Road, Munster, IN

Chairman Dan Dernulc called the meeting to order at 6:00 p.m. Pledge of Allegiance was recited. A roll call vote confirmed all 5 members were present. Chairman Dernulc deviated from the agenda for the purpose of appointing a new attorney to the Commission. Bill Baker made a motion to approve the appointment of a new attorney; Tom Wichlinski seconded the motion; motion passed by a 5-0 roll call vote. Tom Wichlinski proceeded to make a motion appointing David E. Wickland as the new counsel to the Commission; Bill Baker seconded the motion. Commissioner Kent Gurley stated that he had wanted to look at a firm that had substantial resources within the firm itself, technical representation as well as legal. That was not done in this case. A roll call vote declared 4 in favor of appointing Mr. Wickland as attorney; 1 nay vote was cast by Mr. Gurley; motion passed. Chairman Dernulc offered some background information on Mr. Wickland; Mr. Wickland stated that he looks forward to working with the Commission.

Development Commissioners:
Dan Dernulc
William Baker
Kent Gurley
Tom Wichlinski
Ron McAhron

Staff:
Jim Pokrajac
Sandy Mordus
Judy Vamos

Attorney:
David Wickland

Visitors:
Bret Temple – Munster
Fred Ritchie – Munster
Bill Petrites – Highland
Tina Kutkoski - Hammond
Tom DeGiulio – Town of Munster
Mike Echterling – LCF&G/Highland
Leon/Alice Kozlowski - Munster

Visitors:
Dave Nellans – Town of Munster
Jeff Burton – The Times
Doug Anderson - USACE
Sheldon Edd - USACE
John Beckman – Lake Co. Fish & Game
Ruth Mores – Southmoor Rd, Hammond
John Harrigan - Hammond
Vanessa Villarreal - USACOE
Clarence/Josie Seagraves - Munster
Ronald Albin – Munster
Patricia Piekarczyk - Munster
Sylvia Vucich - Munster
Jim/Elaine Cala - Munster
Mark Lopez – Congressman's Office
Chuck Rice - Hammond
Scott M. Bont – Post Tribune
Laura Michalski - Schererville
Bob Olson - Munster
John Mogle - Munster
Jerry Iwachiw - Munster
Robert Farag – Griffith Golf Center
James Dedelow – Munster
Rob Mangus – Town of Munster
Marc Campagna - Munster
Mike Zarantonello – Southmoor Rd, Hmd
Steve Caco - Munster
Fred Baginski - Hammond

A roll call vote approved the minutes from the August 3 meeting; they stand as posted.

Chairman's Report – Chairman Dernulc stated that an Executive Session was held on August 19 for the purpose of appointing an attorney. He also stated that the Commission has received $250,000 from the RDA, as requested by the Commission.

- Chairman Dernulc asked Army Corps representative Sheldon Edd to give a report on the status of Stage VII. Mr. Edd reported that the contractor, CERES Environmental, is ready to move along with the fencing and survey work. They have sub-contractors lined up. Fencing is going up tomorrow and survey work should start tomorrow. Lines of protection for Stage VII should be completed by end of 2010.
- Regarding Stage VIII, Mr. Edd reported that Walsh Construction is presently doing pre-construction submittals. Their submittals will then be approved and they will be ready to go. Projected starting date should be within 1 month.
- Mr. Baker asked Mr. Edd what the residents could expect to see in the next couple of months. He replied that the fencing will be going up, surveyors will be out staking, and within 2-4 weeks, tree clearing will begin.

Action Required – Treasurer Kent Gurley presented items for action. Mr. Gurley proceeded to make a motion to approve the claims payable for September at a total of $312,182.71; motion seconded by Ron McAhron; motion passed with a roll call vote of 5-0.

- Mr. Gurley made a motion to approve the O&M claims for September in the amount of $4,307.45; motion seconded by Bill Baker; motion passed with a roll call vote of 5-0. Claims were for the engineer cell phone and mowing services. Mr. Gurley added that mowing must be done before inspections can be done as part of the O&M guidelines; it will be an ongoing item.

Finance Committee – Treasurer Kent Gurley referred to the Financial Statement for the period ending July 31, 2009.

- Mr. Gurley referred to the invoice from NIRPC for the month of July. He stated that a new contract from NIRPC will be received toward the end of the year. He asked the other Commission members to keep that in mind as he will want comments on it as we go forward.
- Mr. Gurley referred to the Army Corps letter, again requesting the need for $226,000, which is 7% cost share for Federal stimulus money they received. Their first request letter was received May 6, 2009.
- Mr. Gurley then referred to the Army Corps letter informing us that they were withdrawing $800,000 from the Corps construction account.
- Also received from the Army Corps was the Projected Federal and Non-Federal Funding through FY2012. This chart outlines the Commission's 7% cost cash share through project end.

Land Acquisition/Land Management Committee – Commissioner Bill Baker stated there was no report.

Engineering Committee – Commissioner Kent Gurley referred to the Army Corps Construction Progress Report through the end of August that was distributed to all Commissioners. The Army Corps provides these construction status reports to us monthly

and they list the current status of all ongoing contracts. He inquired about the Pump Station 2A contract on Forest Avenue in Hammond and whether it would be completed this year. Doug Anderson replied that it is scheduled to be completed in November. It would only be longer if extended work had to be done. He asked Jim Pokrajac for an update on utilities. Mr. Pokrajac reported that he has been attending bi-weekly progress meetings for Stage V-2. The sheet piling is driven, backfilling is done, concrete work remains to be completed on the pipeline corridor, and that is scheduled to be completed within the next 1-2 months. Work then needs to start on the NSRR right-of-way. The contractor is hoping to schedule the railroad work for as early as the end of this month. Both lines of protection are done in the remaining portions of the V-2 contract.

- Stage VII utilities are completed. The contractor can begin work in that area now. He plans to work on both sides of the river at the same time. They will be working east to west.
- Stage VIII utilities – Mr. Pokrajac reported that, weather pending, the 10 relocates by NIPSCO should be completed by the end of October. All utility relocation work will be done by the time the contractor will be in this area.
- Pump Stations contracts – Mr. Pokrajac reported that all 3 pump station contracts are ongoing. Pump Station 1A (that has 4 pump stations) is almost complete. Pump Station 2A (2 pump stations) will be completed by mid fall. Pump Station 2B (3 pump stations) should be completed by April 2010. Once completed, the pump stations will improve landward side of drainage.

Mr. Gurley added that Stages VII and VIII utility relocation work was approved last spring prior to the actual construction work so that the utility work could be completed before the contractor was in that area.

Operation & Maintenance Committee – Mr. Gurley stated that the remainder of this year and beginning of next year, the Commission will be talking about comprehensive work; clean up work. Some O&M work will be done as we go forward. The Army Corps is in the process of updating their O&M manuals and they will be getting those to us as they are revised. The Army Corps will give us the guidelines; the Commission will detail it out. Mr. Gurley added that inspections are scheduled for September 14-30.

Legislative Committee – Commissioner Ron McAhron stated that he will be going to the September State Budget Committee meeting with a request. He stated that the request will need to carry us through to the next April. He added that the RDA, and Mr. Bill Hanna as their Director, have bridged the funds, which has been a tremendous help to us for interim financing

- Mr. McAhron referred to the chart of the projected non-federal cost shares. He understands that they are estimates and asked Imad Samara that the Commission would need about 60 days to turn a request around once a formal request was made to us.

Other Business – There was none.

Statements from the Floor –

- Bob Farag from Griffith Golf Course stated that it was great to see that Stages VII and VIII are being pushed along but what about the other stages that have already been completed. He stated that Cline Avenue almost flooded in the last event and the town of Griffith could not even get to their pump station because the access road was flooded out.

He did not feel that the levee system that was developed does not eliminate the problem. There is no continuous line of protection there and therefore cannot be certified. He said that all the pump stations on the levee system need to be addressed. He doesn't want sympathy; he wants action. Imad Samara stated that, in the authorized project, that area is a non-structural area. Mark Lopez, representing the Congressman's office, said the Griffith
levee is a betterment; done at the request of the local municipality and not part of the project. He suggested that Mr. Farag take his concern to the Griffith Town Council. Mr. Farag reiterated that not all the levee there is a betterment. Mr. Lopez stated that he would research the history and get back to him.

- Tom Giulio, Munster Town Manager, informed the Commission members that 3 of the 4 homes west of Hohman Avenue have been purchased by the town and they are in final discussions with the last homeowner. In the fall, they will be installing 2 additional monitoring devices that will indicate water levels by Baring pump station, and also south of Hart Ditch. The readings will be available on their web site and will provide updated information to all. Mr. Gurley complimented the town on their impressive web base system.
- Steve Enger, a Munster resident, expressed his opinion in that the goal of the Commission is not just completing the levee project; the goal is to be taken out of the flood plain. He stated that all the Federal money that has gone into this project was based on a cost benefit ratio to be taken out of the flood plain. For next month, he asked that he wants a concrete, definitive plan that the Corps, FEMA and LCRBDC has developed with a schedule for coming out of the flood plain. There are about 1,000 homes in Munster that continue to pay flood insurance until they can come out. That should be the goal. There are many steps to be taken with FEMA to come out of the flood plain and it is their process, not ours. Discussion also ensued on the proposed sandbagging at Northcote bridge. Sandbagging is acceptable to FEMA. If the town wants to modify the closure, they can do something else upon Corps review and concurrence. Mr. Enger again asked for a schedule from the Corps. The Commission has asked the Corps to set up a meeting with FEMA so that we can understand the process as well. Mr. Gurley added that O&M also has to be done before levee certification. The Commission is moving on that and will continue to move forward quickly. All 5 communities have to be on board with a regional O&M plan/acceptance.
- John Beckman, Lake County Fish & Game, understands the focus on the levee completion but just as important is a need for upland flood storage. They have asked the Corps how to justify this and asked for a written response.
- Marc Campagna from Munster asked if the members of the Commission would cease to exist or will it go into an O&M mode, after construction is complete. Commissioner Gurley said this Commission will maintain the levee system. O&M communities need to work on the segments within the project under the guidelines of this Commission.
- John Harrigan from Hammond inquired if the contractor will be replacing the existing dikes between Northcote and Columbia. Mr. Edd stated that it is the contractor's responsibility for maintaining the existing level of protection while the new lines of protection are being installed. He expressed concern about not carrying flood insurance. Mr. McAhron stated that the State of Indiana is encouraging residents to keep flood insurance; it will be at a much lower rate but considering this is still a uniquely-built structure system and weather is unpredictable, it would be advised to not eliminate it totally.
- Rob Mangus, Munster Town Council, stated that he is glad to hear that the Commission is responsible for O&M and asked whether or not we have talked to Illinois. Mr. McAhron stated that Illinois has been taken into account. Imad added that they continue to provide monitoring in Illinois that is used in Indiana. This Commission has not had discussions with Illinois as far as O&M or funding is considered. That may happen at some point in time.

There being no further business, the meeting was adjourned. The next meeting was scheduled for Wednesday, October 7, 2009 at the Munster Town Hall at 6:00.

PETER J. VISCLOSKY
1ST DISTRICT, INDIANA

COMMITTEE ON APPROPRIATIONS
SUBCOMMITTEES:
DEFENSE
ENERGY AND WATER DEVELOPMENT
FINANCIAL SERVICES

CONGRESSIONAL STEEL CAUCUS
CHAIRMAN

U.S. HOUSE LAW ENFORCEMENT CAUCUS

Congress of the United States
House of Representatives
Washington, DC 20515-1401

2256 RAYBURN BUILDING
WASHINGTON, DC 20515-1401
(202) 225-2461

7895 BROADWAY, SUITE A
MERRILLVILLE, IN 46410
(219) 795-1844

Call Toll Free
1 888 423 PETE
(1 888 423-7383)

INTERNET:
http://www.house.gov/visclosky/

September 17, 2009

Mr. Dan Dernulc
Little Calumet River Basin Development Commission
6100 Southport Road
Portage, Indiana 46368

Dear Dan:

I write to invite you to join me on Tuesday, September 29, 2009 at 9:30 a.m. to celebrate the groundbreaking of the Stage VIII construction contract for the Little Calumet River Flood Control and Recreation project. This groundbreaking will take place along the Little Calumet River in Munster, Indiana

This event is to celebrate the groundbreaking of the last stage of construction for the Little Calumet River Flood Control and Recreation project. We will meet in the northeast corner of the Hammond Clinic complex. The Hammond Clinic is located at 7905 Calumet Avenue. Enclosed, please find a map which denotes the location.

Again, this opportunity will be held Tuesday, September 29, 2009 at 9:30 a.m. in Munster, Indiana. Please contact Dawn Reed in my Merrillville District Office at 219-795-1844 or at Dawn.Reed@mail.house.gov to confirm your attendance.

Sincerely,

Peter J. Visclosky
Member of Congress

PJV:ej

5

U.S. Army
Corps of Engineers
Chicago District

News Release

Contact: Vanessa Villarreal
Telephone: (312) 846-5331
E-Mail: vanessa.villarreal@usace.army.mil
Release date: Sept. 29, 2009

Army Corps held groundbreaking ceremony for last stage of Little Calumet River project

On Sept. 29, 2009, the U.S. Army Corps of Engineers, along with Gov. Mitch Daniels and Rep. Peter Visclosky (IN-1), held a groundbreaking ceremony for the last stage, Stage VIII, of the Little Calumet River project.

"The Little Calumet River project reduces the risk of flood damage for more than 200,000 residents in Gary, Griffith, Hammond, Highland and Munster," District Engineer Col. Vincent Quarles said. "And when completed, will prevent an average of nearly $11 million in flood damage annually."

Overall, the project consists of 22 miles of federal levees, flood walls, control structures, and pump stations, built to a 200-year flood standard. The project preserves 500 acres of wetlands and provides recreational features.

"Today's groundbreaking marks the beginning of the end of a project that cannot be completed soon enough," said Congressman Visclosky. "This coordinated, regional effort will mitigate the risk of flooding for homes and businesses across Northwest Indiana. The project will create new jobs now and, once completed, will remove families from the flood plain to alleviate the need for costly flood insurance and prime new areas for investment and economic development. I appreciate the hard work of all those who have helped us reach this day, and look forward to celebrating the project's completion."

Stage VIII will consist of a approximately 8,611 lineal feet of earthen levee, 780 feet of sheet pile wall, and 7,762 feet of a concrete and sheet pile floodwall. Other project features will be construction of access ramps and roads, one pedestrian bridge, gate well structures, outlet improvements, drainage ditches, riprap for erosion control, and a recreation trail.

-more-

The contract for the project was awarded to Walsh Construction Co. on June 26, 2009, for $12,955,886.79. Construction of the flood control components is expected to be completed by the end of 2010. The local sponsor for the project is the Little Calumet River Basin Development Commission.

-30-

The Times 9-30-09

Work on 11-mile stretch to protect 200,000 residents

NATALIE BATTAGLIA PHOTOS | THE TIMES

Hammond Clinic employees, from left, Armin Pigula, Rob Jensen, Duncan Marriott and Jenny Williamson look at a map of last year's floodwaters after a groundbreaking ceremony Tuesday for the final stage of Little Calumet River levee construction. The 11-mile project will help protect the areas hardest hit by the September 2008 flood.

FINAL PHASE OF LITTLE CAL

BY JEFF BURTON
jeff.burton@nwi.com, (219) 762-1397, ext. 2225

MUNSTER | Work now is under way on the final phase of levee and floodwall construction along the Little Calumet River, and attention is starting to shift to just how the expansive project will be maintained.

Officials, contractors and residents gathered in the Hammond Clinic parking lot Tuesday morning to break ground. Col. Vincent Quarles, commander of the U.S. Army Corps of Engineers in Chicago, which is designing the project, said when the 11-mile stretch is complete – with levees and floodwalls on both sides of the river from Gary to the Illinois state line – more than 200,000 residents will have a level of protection they've never had before.

"By the end of 2010, we will be done," Quarles said

Col. Vincent Quarles, from left, and U.S. Rep. Pete Visclosky, D-Ind., react to a speech given by Gov. Mitch Daniels, during a groundbreaking ceremony Tuesday for the final stage of Little Calumet River levee construction.

The project, which began in the late 1980s, has dragged on for two decades due in part to a lack of funding and negotiations with property owners and utilities to obtain land and easements.

Gov. Mitch Daniels said he realized the importance of the getting the project done when he first won

See LITTLE CALL on Page A4

"By the end of 2010, we will be done." - **COL. VINCENT QUARLES, COMMANDER OF THE U.S. ARMY CORPS OF ENGINEERS IN CHICAGO**

NATALIE BATTAGLIA | THE TIMES

Col. Vincent Quarles, from left, Gov. Mitch Daniels, U.S. Rep. Pete Visclosky, state Rep. Mara Candelaria Reardon, state Sen. Frank Mrvan and project manager Imad Samara headlined a groundbreaking ceremony Tuesday in Hammond for the final stage of Little Calumet River levee construction.

CONTINUED FROM PAGE A1

Little Cal

election in 2004 and U.S. Rep. Pete Visclosky, D-Ind., came to his office with a list of projects in Northwest Indiana needing attention.

"This was at the top of his list," Daniels said.

While the state often focuses on infrastructure projects such as roads to get people to their destinations, Daniels said the Little Calumet project has a greater purpose.

"'This meant human hardship and increased costs," he said, adding that flood related damage associated with the river costs an estimated $11 million annually.

Recalling last year's flood, state Sen. Frank Mrvan, D-Hammond, said the scene behind the Hammond Clinic was in sharp contrast to what he saw a year ago.

"I remember when we first came here in the flood, and I saw all the damage and devastation and the fear in people's eyes. All the people were just beaten down and sad," Mrvan said.

Mrvan and state Rep. Mara Candelaria Reardon, D-Munster, both said finding funding for the maintenance and operation of the levee system will be a priority in the next session of the Indiana General Assembly.

Dan Dernulc, chairman of the Little Calumet River Basin Development Commission, which ultimately is responsible for the project, said he spoke before the State Budget Committee in Indianapolis last week, asking for an additional $5.5 million for the project, with an eye on maintenance.

"That's our new charter," Dernulc said. "We need to get that piece in place."

GOV. MITCH DANIELS AND U.S. REP. PETE VISCLOSKY BREAK GROUND ON LAST PHASE

Post Tribune

Crews working on final stage of Little Calumet River project

Last leg of long-running flood control effort expected to be completed by end of 2010.

By Michelle L. Quinn
Post-Tribune correspondent

MUNSTER — The Little Calumet River Project's end officially appeared on the radar Tuesday as members of the Little Calumet River Commission, U.S. Rep. Peter J. Visclosky and Gov. Mitch Daniels broke ground on the final phase.

Quarles

Mrvan

Located at the northeast corner of the Hammond Clinic's parking lot, Stage 8 will complete 22 miles of federal levees, flood walls, control structures and pump stations built to a 200-year flood standard while preserving 500 acres of wetlands. If all goes as planned, it will be completed at the end of 2010, said Army Corps of Engineers District Col. Vincent Quarles.

"That will be the moment my service ends, and I have been proud to serve this area," a jubilant Quarles said. "We will have reduced the risk of flooding for more than 200,000 residents in Gary, Griffith, Hammond, Highland and Munster and will prevent an average $11 million in flood damage annually."

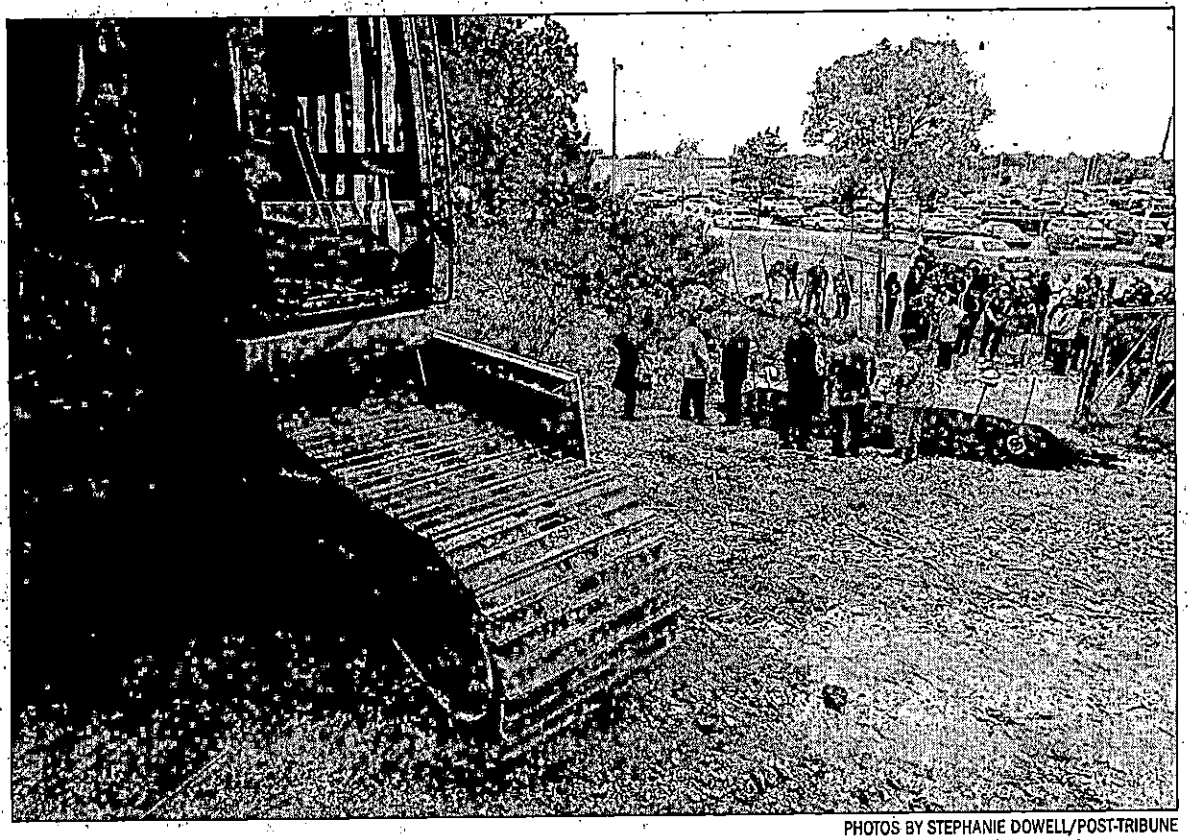
Daniels and Visclosky recalled the moment they met regarding the project — Daniels had just been elected to his first term and Visclosky had been re-elected. Visclosky presented a worn piece of paper to Daniels outlining the major projects he wanted for Northwest Indiana, with the Little Calumet project at the top.

"It was the first time I'd heard the whole history of the project, and when I asked Pete why it had taken so long, he said, 'It's (Lake County), you'll learn,'" he said. "This will be a special moment when this comes to fruition, as it will lessen human hardship.

"Last year was a $50 million event, and the state put four times more money into the project than we ever had before," Daniels said, referring to September flooding.

State Sen. Frank Mrvan Jr., one of the General Assembly members who worked to secure funds, said he hoped "the river of tears and fears" is now a thing of the past.

"I saw the fear in people eyes and how beaten down they were, and I made a vow to do whatever I could to get this done," Mrvan said. "This will hopefully now become the river of opportunity."



PHOTOS BY STEPHANIE DOWELL/POST-TRIBUNE

Construction equipment is parked on a levee overlooking the parking lot of the Hammond Clinic where a groundbreaking ceremony was held Tuesday morning for Stage 8 of the Little Calumet River levee project. The clinic parking lot was flooded and the building was evacuated after the massive flooding last September.

By the numbers

Stage 8 is comprised of ...

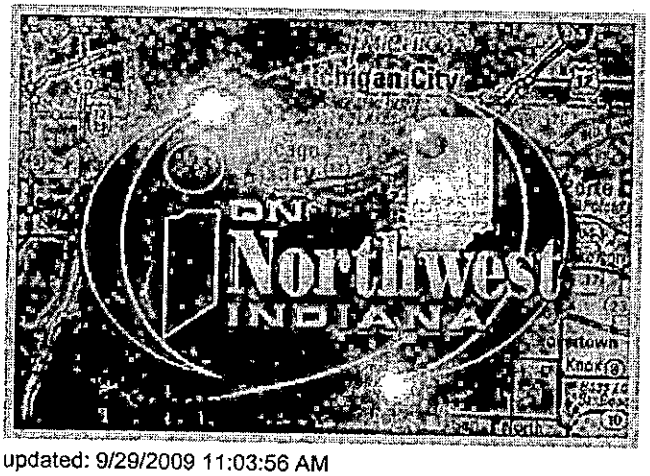
- 8,611 lineal feet of earthen levee
- 780 feet of sheet pile wall
- 7,762 feet of concrete and sheet pile floodwall

SOURCE: U.S. ARMY CORPS OF ENGINEERS

U.S. Rep. Peter Visclosky (left) laughs as Gov. Mitch Daniels reminisces about meeting Visclosky for the first time and hearing about the flood issues with the Little Calumet River.

INSIDE INDIANA BUSINESS
WITH GERRY DICK
INDIANA'S BUSINESS NEWS LEADER

9/29/09



updated: 9/29/2009 11:03:56 AM

Crews Working on Final Stage of Little Calumet River Project

InsideINdianaBusiness.com Report

Governor Mitch Daniels helped break ground today on the final stage of construction for the Little Calumet River project. The plan includes 22 miles of levees and floodwalls to protect citizens and businesses in northwest Indiana. The state's current budget includes $14 million for the completion of the project, scheduled for December 2010.

Source: Inside INdiana Business

Continued Below...

INDIANA BUSINESS NEWS

- Clabber Girl Considering Terre Haute Distribution Center
- Forum to Examine Alternative Energy Readiness
- Harrison Corrects Enrollment Numbers
- Crews Working on Final Stage of Little Calumet River Project
- [UPDATED] SIA Reaches Another Milestone
- Taiwan Collaborating With Lilly on TB Drugs
- IU to Celebrate New Athletics Complex
- [UPDATED] Purdue Gets $10 Million For Speech, Language and Hearing Research
- Nonprofits, Community Leaders to Gather For Annual Event

More News...

Press Release

HAMMOND, Indiana (September 29, 2009) – Governor Mitch Daniels, Congressman Pete Visclosky and federal and local officials today launched the final stage of construction of the Little Calumet River project that will protect thousands of homes and businesses in Gary, Griffith, Hammond, Highland and Munster.

"Residents of Northwest Indiana have been exposed to disastrous flooding here for far too many years. I've been determined to see this menace removed once and for all, and today the finish line has finally come into view," Daniels said at a groundbreaking ceremony for the final stage of the project.

Presidential disaster declarations were made following four severe weather incidents that caused widespread flooding in portions of Lake County between summer 2007 and spring 2009. More than 35,000 applications resulted in $61 million in federal public and individual assistance to Lake and nearby counties as a result of damage. Among the most severe recent flooding incidents in the Little Calumet River project area was in September 2008 when remnants of Hurricane Ike dumped as much as 10 inches of rain.

print email newsletters

RELATED NEWS

- Northwest Indiana to Receive $40 Million for Water Projects
- $3 Million Coming to Help Northwest Indiana Pump Stations
- Visclosky Secures Funding For South Shore, Other Projects
- Governor Assesses Flood Damage
- Six Hoosiers Killed in Weekend Storms

The 22-mile flood project includes federal levees and flood walls as well as 17 miles of hiking trails and the preservation of over 550 acres of wetlands.

10

The state's current budget includes $14 million for the completion of the project, scheduled for December 2010. Since Daniels took office in 2005, the state has contributed $30 million to the project, more state funds than were spent in all previous combined years of state funding for the project.

The state's contributions since 2005 also have included $4 million from the general fund, $6 million from the Indiana Economic Development Corporation, and $6 million from Northwest Indiana Regional Development Authority funds.

The final stage of the Little Cal River project includes about 8,600 lineal feet of earthen level, 780 feet of sheet pile wall, 7,762 feet of concrete and sheet pile floodwall and other features. The Little Calumet River Basin Development Commission and Army Corps of Engineers are overseeing the work.

The project is designed to provide 200-year flood protection to about 9,500 residences and homes in the Northwest Indiana communities of Gary, Griffith, Hammond, Highland and Munster.

Visclosky, U.S. Army Corps of Engineers Chicago District Commander Col. Vincent Quarles, state Representative Mara Candelaria Reardon and state Senator Frank Mrvan participated in today's groundbreaking event.

Source: Office of the Governor

//

SEP 1 4 2009

United States Department of the Interior

U.S. GEOLOGICAL SURVEY

Indiana Water Science Center
5957 Lakeside Boulevard
Indianapolis, Indiana 46278-1996
(317) 290-3333

September 10, 2009

Ms. Sandy Mordus
Little Calumet River Basin Commission
6100 Southport Road
Portage, IN 46368

Dear Ms. Mordus:

Enclosed are three copies of the Joint Funding Agreement for the installation, operation and maintenance of a streamflow gaging station on Hart Ditch at Munster for the period of October 1, 2009 to September 30, 2010. The Little Calumet River Basin Commission will provide $6,500 and the US Geological Survey will provide $5,500 as federal matching funds per 43 USC 50 to accomplish this work.

Please sign all originals; return one signed original to this office and retain the other originals for your records. Work performed with funds from this agreement will be conducted on a fixed-price basis. You will be billed annually for this agreement. The results of all work under this agreement will be available for publication by the US Geological Survey.

If you have any questions concerning this agreement or problems with the billing arrangements, please contact Tonja Clark, Budget Analyst, at (317) 290-3333, extension 123. Should you have any technical questions please feel free to contact Scott Morlock at (317) 290-3333 extension 153. We appreciate your support in this program and look forward to continueing our relationship in future fiscal years.

Sincerely,

William R. Guertal
Director

Enclosures

12

Form 9-1366
(Oct. 2005)

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement

Customer #:	IN042
Agreement #:	10E4IN2412018
Project #:	2412-00100
TIN #:	35-1517363
Fixed Cost Agreement	☑ Yes ☐ No

FOR

THIS AGREEMENT is entered into as of the 1st day of October, 2009, by the U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Little Calumet River Basin Commission, party of the second part.

1. The parties hereto agree that subject to availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation of a program to operate a streamflow gaging station on Hart Ditch at Munster, herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50; and 43 USC 50b.
2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) includes In-Kind Services in the amount of $0.

(a) $5,500 by the party of the first part during the period October 1, 2009 **to** September 30, 2010

(b) $6,500 by the party of the second part during the period October 1, 2009 **to** September 30, 2010

(c) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.

(d) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.
4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.
5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.
6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.
7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

Form 9-1366 continued	U.S. Department of the Interior U.S. Geological Survey Joint Funding Agreement	Customer #: Agreement #: Project #: TIN #:	IN042 10E4IN2412018 2412-00100 35-1517363

8. The maps, records, or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records, or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program and, if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at costs, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records, or reports published by either party shall contain a statement of the cooperative relations between the parties.
9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered **Annually**. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983).

U.S. Geological Survey
United States
Department of the Interior

USGS Point of Contact

Name: Scott Morlock
Address: US Geologial Surevey

5957 Lakeside Boulevard
Indianapolis, IN 46278
Telephone: (317) 290-3333 ext 153
Email: smorlock@usgs.gov

Signatures

By William R. Guertal Date 9/11/09
Name: William R. Guertal
Title: Director, IN WSC

By_____ Date_____
Name:
Title:

By_____ Date_____
Name:
Title:

Little Calumet River Basin Commission

Customer Point of Contact

Name: Sandy Mordus
Address: Little Calumet River Basin Commission
6100 Southport Road
Portage, IN 46368
Telephone: (219) 763-0696
Email: littlecal@nirpc.org

Signatures

By_____ Date_____
Name:
Title:

By_____ Date_____
Name:
Title:

By_____ Date_____
Name:
Title:

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
JULY THROUGH DECEMBER 2009
MONTHLY BUDGET REPORT - OCTOBER 2009

	2009 BUDGET	Actual JULY	Actual AUGUST	Actual SEPTEMBER	Actual OCTOBER	Actual NOVEMBER	Actual DECEMBER	ALLOCATED TOTAL	UNALLOCATED BUDGETED BALANCE
5801 PER DIEM EXPENSES	4,100.00	4,050.00	-	50.00				4,100.00	0.00
5811 LEGAL EXPENSES	849.99	283.33	283.33	283.33	283.33			1,133.32	-283.33
5812 NIRPC SERVICES	60,000.00	9,102.71	7,995.66	8,222.57	8,312.29			33,633.23	26,366.77
5821 TRAVEL/MILEAGE	900.00	693.44	24.64	37.84	44.00			799.92	100.08
5822 PRINTING/ADVERTISING	200.00	-	-	-	-			0.00	200.00
5823 BONDS/INSURANCE	-	-	-	-	-			0.00	0.00
5824 TELEPHONE EXPENSES	5,000.00	657.50	415.63	669.51	535.64			2,278.28	2,721.72
5825 MEETING EXPENSES	-	-	-	-	-			0.00	0.00
5840 PROFESSIONAL SERVICES	175,000.00	-	12,118.10	22,868.01	30,025.23			65,011.34	162,881.90
5860 PROJECT LAND PURCHASE EXP.	162,000.00	-	-	10,050.00	-			10,050.00	151,950.00
5882 UTILITY RELOCATION EXP.	2,800,000.00	4,232.92	22.00	20,408.50	211,855.60			236,519.02	2,563,480.98
5883 PROJECT LAND CAP. IMPROV.	-	-	-					0.00	0.00
5884 O & M BUDGET	155,000.00	16,842.02	-	16,450.00				33,292.02	121,707.98
5892 PROJECT COST SHARE	1,728,550.00	-	-	226,000.00				226,000.00	1,502,550.00
	5,091,599.99	35,861.92	20,859.36	305,039.76	251,056.09	0.00	0.00	56,721.28	5,034,878.71

ADMINISTRATIVE BUDGET	71,049.99				
PROJECT LAND DEVELOPMENT	5,020,550.00				
REMAINING STATE FUNDS	(50,683.00)	16,098.00	7,142.00	0.00	
REMAINING RDA MONIES	(1,701,742.00)	0.00			
TOTAL BUDGET	5,091,599.99				
RDA Deposit #3	1,430,000.00	1,204,000.00	226,000.00	0.00	
RDA Deposit #4	250,000.00			190,831.47	174,320.09

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
JANUARY THROUGH JUNE 2009
MONTHLY BUDGET REPORT - OCTOBER 2009

	2009 BUDGET	Actual JANUARY	Actual FEBRUARY	Actual MARCH	Actual APRIL	Actual MAY	Actual JUNE	ALLOCATED TOTAL	UNALLOCATED BUDGETED BALANCE
5801 PER DIEM EXPENSES	4,200.00	4,200.00	0.00	0.00	0.00	0.00	0.00	4,200.00	0.00
5811 LEGAL EXPENSES	3,500.00	283.33	283.33	283.33	283.33	283.33	303.33	1,719.98	1,780.02
5812 NIRPC SERVICES	86,462.00	12,299.98	13,322.25	10,672.12	9,422.54	9,216.33	9,243.04	64,176.26	22,285.74
5821 TRAVEL/MILEAGE	1,250.00	1,140.48	30.36	0.00	18.48	39.60	44.00	1,272.92	-22.92
5822 PRINTING/ADVERTISING	750.00	113.13	215.00	38.68	0.00	0.00	0.00	366.81	383.19
5823 BONDS/INSURANCE	6,500.00	0.00	0.00	0.00	5,509.38	0.00	0.00	5,509.38	990.62
5824 TELEPHONE EXPENSES	6,500.00	637.09	666.83	834.94	561.48	665.21	454.44	3,819.99	2,680.01
5825 MEETING EXPENSES	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5840 PROFESSIONAL SERVICES	212,690.00	42,405.25	22,254.20	43,225.51	70,477.80	34,327.24	0.00	212,690.00	0.00
5860 PROJECT LAND PURCHASE EXP.	500,380.00	146,060.00	0.00	345,127.50	0.00	9,192.50	0.00	500,380.00	0.00
5882 UTILITY RELOCATION EXP.	332,577.00	141,291.40	7,495.17	0.00	0.00	42,178.43	137,379.08	328,344.08	4,232.92
5883 PROJECT LAND CAP. IMPROV.	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5884 O & M BUDGET	50,595.00	3,610.00	0.00	15,900.34	14,242.64	0.00	0.00	33,752.98	16,842.02
5892 PROJECT COST SHARE	605,500.00	605,500.00	0.00	0.00	0.00	0.00	0.00	605,500.00	0.00
	1,810,904.00	957,540.66	44,267.14	416,082.42	100,515.65	95,902.64	147,423.89	1,761,732.40	49,171.60

ADMINISTRATIVE BUDGET	109,162.00						
REMAINING STATE FUNDS	50,683.00	47,893.00	47,519.00	44,974.60	30,550.35	19,903.57	16,631.57
REMAINING RDA MONIES	1,701,742.00	762,875.35	733,125.98	328,872.63	234,144.14	158,454.02	21,074.94
TOTAL ALL FUNDS	1,861,587.00						

CLAIMS PAYABLE FOR OCTOBER 2009

ACCT	VENDOR NAME	AMOUNT	EXPLANATION OF CLAIM
5811	DAVID E. WICKLAND	283.33	MONTHLY RETAINER FOR MONTH OF SEPTEMBER
5812	NIRPC	8,196.45	SERVICES PERFORMED AUGUST 2009
5812	INK JET SUPER STORE.COM	105.84	COST INCURRED FOR DRUM UNIT & TONER FOR COMMISSION PRINTER
5812	UPS	10.00	OVERNIGHT MAIL
5824	SANDY MORDUS	44.00	MILEAGE 9/1/09-9/30/09
5824	AT & T	383.30	BILLING PERIOD 8/13/09-9/13/09 (TOTAL BILL: 406.91, KRBC 23.61)
5824	VERIZON NORTH	152.34	BILLING PERIOD 9/16/09-10/16/09(TOTAL BILL 280.70, KRBC 128.36)
5844	JAMES E POKRAJAC	5,437.20	ENGINEERING/LAND MGMT AGENT 8/16/09 to 8/31/09
5844	JAMES E POKRAJAC	253.00	AUGUST MILEAGE
5844	JAMES E POKRAJAC	5,496.30	ENGINEERING/LAND MGMT AGENT 9/1/09 to 9/15/09
5844	JUDITH VAMOS	2,256.80	LAND ACQUISITION AGENT SERVICES 8/16/09 to 8/31/09
5844	JUDITH VAMOS	1,193.50	LAND ACQUISITION AGENT SERVICES 9/1/09 to 9/15/09
5844	G. LORRAINE KRAY	808.20	CREDITING TECH & LAND ACQUISITION ASST 8/16/09 to 8/31/09
5847	G. LORRAINE KRAY	1,066.38	CREDITING TECH & LAND ACQUISITION ASST 9/1/09 to 9/15/09
5861	CASALE WOODWARD BULS LLP	10,520.10	LAND ACQUISITION/LEGAL SERVICES THROUGH SEPTEMBER 28, 2009
5861	DAVID E. WICKLAND	2,993.75	LAND ACQUISITION/LEGAL SERVICES FOR MONTH OF SEPTEMBER
5882	MARATHON PIPE LINE LLC	211,855.60	UTILITY RELOCATION IN PIPELINE CORRIDOR IN SV-2

TOTAL **251,056.09**

ADMINSTRATIVE

DRAW FROM STATE

RDA $250,000

251,056.09
- 211,855.60
39,200.49

APPROVAL TO PAY THE FOLLOWING INVOICES FROM O&M FUND

October 7, 2009

- **$57.45 to T-Mobile for costs incurred for cell phone for engineer field work; monthly service 8/11/09 – 9/10/09**
- **$202.70 to Austgen Electric Inc. for diagnostics to determine pump problems at Burr Street; inspect pumps and provide report; minor problems repaired on site**
- **$271.66 to Austgen Electric Inc. to make pumps at Grant & I-80/94 operable; pump #2 only pump that would run**

Total **$ 531.81**

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
FINANCIAL STATEMENT
JANUARY 1, 2009 - AUGUST 31, 2009

CASH POSITION - JANUARY 1, 2009				
CHECKING ACCOUNT				
LAND ACQUISITION			193,123.92	
GENERAL FUND			118,336.33	
SAVINGS			28,004.80	
TOTAL OF ALL ACCOUNTS				339,465.05
RECEIPTS - JANUARY 1, 2009 - AUGUST 31, 2009				
LEASE RENTS			80,340.44	
INTEREST INCOME (FROM CHECKING)			551.250	
LAND ACQUISITION			1,563,840.78	
ESCROW ACCOUNT INTEREST			**1,704.89**	
MISC. RECEIPTS				
KRBC REIMBURSEMENT RE: TELEPHONE CHARGE			839.19	
TRANSFERRED FROM SAVINGS			883,227.11	
REIMBURSEMENT FROM FEMA			26,431.52	
CITY OF MUNSTER FOR PROPERTIES			73,335.00	
TOTAL RECEIPTS				2,630,270.18
DISBURSEMENTS - JANUARY 1, 2009 - AUGUST 31, 2009				
ADMINISTRATIVE				
2008 EXPENSES PAID IN 2009		393,148.11		
PER DIEM			8,200.00	
LEGAL SERVICES			2,266.64	
NIRPC			84,744.38	
TRAVEL & MILEAGE			1,977.80	
PRINTING & ADVERTISING			366.81	
BONDS & INSURANCE			5,584.38	
TELEPHONE EXPENSE			6,079.03	
MEETING EXPENSE				
LAND ACQUISITION				
LEGAL SERVICES			110,988.70	
APPRAISAL SERVICES			54,750.00	
ENGINEERING SERVICES				
LAND PURCHASE CONTRACTUAL			4,275.00	
FACILITIES/PROJECT MAINTENANCE SERVICES			15,689.90	
OPERATIONS SERVICES				
LAND MANGEMENT SERVICES			149,527.35	
SURVEYING SERVICES			27,261.49	
MISCELANEOUS EXPENSES				
ECONOMIC/MARKETING SOURCES				
PROPERTY & STRUCTURE COSTS			639,370.50	
MOVING ALLOCATION				
TAXES				
PROPERTY & STRUCTURES INSURANCE			46,381.25	
UTILITY RELOCATION SERVICES			161,789.46	
LAND CAPITAL IMPROVEMENT				
STRUCTURAL CAPITAL IMPROVEMENTS			30,142.98	
BANK CHARGES HARRIS BANK			46.00	
PASS THROUGH FROM SAVINGS (O&M)			514.50	
PAYBACK TO SAVINGS				
TOTAL DISBURSEMENTS				1,349,956.17
CASH POSITION - AUGUST 31, 2009				
LAND ACQUISITION (STATE FUNDS)			203,300.16	A
GENERAL FUND			103,523.12	
TOTAL FUNDS IN CHECKING ACCOUNT			**306,823.28**	
CHASE SAVINGS ACCOUNT BALANCE #4414		**266,530.15**		
(Balance of 1,701,742.)	6,960.40			
(Balance of RDA Deposit #3)	0.00			
(Balance of RDA Deposit #4)	250,000.00			
(O & M MONIES)	7,770.77			
SAVINGS INTEREST	1,798.98			
CHASE SAVINGS ACCOUNT BALANCE #4747		**429,281.47**		
ARMY CORP CONSTRUCTION MONEY	428,499.57			B
ESCROW ACCOUNT INTEREST AVAILABLE	8,511.47			
TOTAL OF BOTH SAVINGS ACCOUNTS			695,811.62	
TOTAL OF ALL ACCOUNTS			**1,002,634.90**	C
COMMITTED FUNDS: (FROM ABOVE)				
LAND ACQUISITION	A	**203,300.16**		
ARMY CORP ESCROW MONEY	B	**428,499.57**		
UNCOMMITTED FUNDS AVAILABLE)	C-(A+B)		**370,835.17**	
REMAINING STATE APPROPRIATIONS AVAILABLE (As of August 31, 2009)			-0-	

NORTHWESTERN INDIANA REGIONAL PLANNING COMMISSSION

6100 SOUTHPORT ROAD
PORTAGE, INDIANA 46368

TELEPHONE : (219) 763-6060
FAX: (219) 762-1653

I N V O I C E

To: Little Calumet River Basin Dev. Commission Date: Sept. 15, 2009

For: Services Performed: August 2009 Billing Code: 1201-1012-03-08

DESCRIPTION		AMOUNT
Salaries & Fringe: Sandy Mordus		4,915.00
Occupancy Fees:		2,054.00
Accounting Services: Project Relating Accounting		846.00
Postage:		73.45
Copier Charges @ $5.00/month plus $.06 per copy: #	2,710	167.60
Color Prints made on Color Copier @ $0.20 per pa(#	477	95.40
Fax machine/long distance @ $5.00 plus current charges:		5.00
Graphics, printing & clerical time @ $40 per hou#	1	40.00
Petty Cash Distributions:		-
	TOTAL DUE:	$ 8,196.45

DEPARTMENT OF THE ARMY
CHICAGO DISTRICT, U.S. ARMY CORPS OF ENGINEERS
111 NORTH CANAL STREET
CHICAGO IL 60606-7206

September 15, 2009

Programming and Project
Management Branch

Mr. Dan Dernulc
Chairman Little Calumet River Basin
Development Commission
6100 Southport Road
Portage, Indiana 46368

Dear Mr. Dernulc:

I am requesting that the Little Calumet River Basin Development Commission provide the cash contribution of $385,000 for the Little Calumet River Flood Protection and Recreation Project in accordance with Articles II and VI of the Local Cooperation Agreement (LCA) executed on August 16, 1990. These funds are required to continue the progress of the construction contracts of Stage VII, VIII and V-2 through the first part of the first quarter of Fiscal Year 2010.

Please deposit the funds into the established escrow account (Number 7500-0244-4747) as specified in Article VI.6.2 of the LCA no later than September 23, 2009.

The requested cash contribution represents part of the Commission's cash obligation for federal Fiscal Year 2010.

If you have any questions, please contact me at 312-846-5560.

Sincerely Yours,

Imad N. Sahara
Project Manager

21

Travel Management Office

Subscribe for e-mail updates >

Policies

The Travel Management Office:

- Assists state employees with business travel arrangements.
- Administers the current travel card program offered through National City Bank.
- Enforces state travel rules and regulations.
- Works to minimize state business travel costs.

The Travel Management Office also drafts and implements policies dealing with state employee business travel.

All out-of-state business travel by state employees, board and commission members, persons under contract with the state, and all others seeking state travel reimbursement must be reviewed and approved by the Travel Management Office. Those seeking to travel out of state must complete the Authorization for Out of State Travel, available below.

Hotel, Parking, and Mileage Rates

- The current in-state lodging rate is $89 per night plus all applicable tax, with the exception of Indianapolis, which is $97 a night plus all applicable tax.
- The maximum base rate for airport parking is $9.00 a day, however if the facility charges airport fees and gas surcharges those may be reimbursed with an itemized receipt.
- The current mileage reimbursement rate is $0.44 per mile for all business miles driven.
  Effective Oct. 1, 2009, the mileage reimbursement rate will be $0.40 per mile for all business miles driven.

Authorization Forms and Instructions

- Instructions for Out of State Travel Authorization
- Authorization for Out of State Travel: xls | pdf
  All state employees who are scheduled to travel outside of Indiana on state business must complete an Authorization for Out of State Travel form prior to their departure (State Form 823). The form outlines the employees expected itinerary as well as estimated travel expenses. Instructions detailing how this form should be completed are available above.

  NOTE: The form is to be printed on 5 part carbonless standard sequence paper. This paper is not available on the State's QPA; however, it can be purchased through Central Printing by filling out State Form 44874 (a request for copy service) and asking for the 5 part carbonless standard sequence paper. In order to print the form on this paper, put the 5 part carbonless paper in your printer and request 5 copies. Please make sure you print on the correct side in order to obtain the signatures throughout all 5 pages.

Travel Request and Reimbursement Forms

- Travel Request Form (doc)
  To streamline the process of requesting travel accomodations, including airfare, hotel rooms, and rental cars, please complete the Travel Request Form.
- Travel Voucher (pdf)

A Travel Voucher must be submitted after a state employee returns from business-related state travel. The travel voucher enables the employee to recoup actual travel-related expenses and enables the state to attribute those expenses to the appropriate state account.

- Certification for Missing Receipt (pdf)
  The Certification for Missing Receipt form enables state employees who have traveled on behalf of the state to apply for reimbursement without a substantiating receipt.

Policies

- State Travel Policy (pdf)
- State Resources Policy (pdf)
- Employee Mileage Reimbursement Memo (pdf)

All forms must be submitted to the IDOA Travel Office for approval. Incomplete forms may be delayed or may be returned to the submitting employee for completion.

Contacts:

Minnie Hoskins
Travel Coordinator
Phone: (317) 232-4258
Fax: (317) 233-0012
E-mail: mhoskins@idoa.IN.gov

To make travel arrangements:
Tammy Duran
On-site Travel Agent
Carefree World Travel
Phone: (317) 233-5418
E-mail: carefree@idoa.in.gov
Travel Request Form

STATE OF INDIANA

Mitchell E. Daniels, Jr.
Governor

STATE BUDGET AGENCY
212 State House
Indianapolis, Indiana 46204-2796
317/232-5610

Christopher A. Ruhl
Director

PUBLIC ANNOUNCEMENT

THE BUDGET COMMITTEE
WILL MEET ON

Friday

September 25, 2009

9:45 A.M.

PURDUE UNIVERSITY TECHNOLOGY CENTER

3000 KENT AVENUE – ROOM C1-400

WEST LAFAYETTE, IN

THE TIMES

STATE

ABOUT THE TIMES: Published daily by Lee Publications Inc., a subsidiary of Lee Enterprises Inc., at 601 W. 45th Ave., Munster, IN and 1111 Glendale, Valparaiso, IN.

Postmaster: Send address changes to: 601 W. 45th Ave., Munster, IN 46321 or 1111 Glendale, Valparaiso, IN 46384

Member Audit Bureau of Circulation

The Times is entered as Second Class Matter with periodic postage paid at Valparaiso, Ind., and Hammond, Ind., under Act of Congress of March 1879.

Vol. 101, No. 62 (USPS 629-960) and Vol. 99, No. 24 (629-960)

$5.5M released for Little Cal flood control

State money will be used to repair levees, relocate utilities and train tracks

BY DAN CARDEN
dan.carden@nwi.com, (317) 637-9078

INDIANAPOLIS | The repair of levees along the Little Calumet River will be the first project undertaken following the release Friday of $5.5 million in state flood control money.

State Rep. Maria Candelaria Reardon, D-Munster, inserted $14 million for Northwest Indiana flood prevention in the state budget during the June special legislative session. The remaining $8.5 million will be spent over the next two years.

"I was very pleased that other lawmakers saw the need for the $14 million appropriation during budget negotiations, and even more pleased that the Budget Committee released the funds so quickly," Candelaria Reardon said. "Region residents should be happy that important work on this project will continue in an expedient fashion."

In addition to repairs, these first flood control dollars also will be used to acquire property and relocate utilities and a section of the Norfolk Southern Railroad, state Sen. Sue Landske, R-Cedar Lake, said.

The flood control project is being paid for through a combination of state appropriations and federal stimulus money. The U.S. Army Corps of Engineers is administering the project.

Candelaria Reardon said the September 2008 region floods made clear the need to fix and finish Little Cal levees as soon as possible.

"Those floods devastated local families and businesses, proving once again that the potential for natural disaster is always present," Candelaria Reardon said.

More than 17,000 homes and businesses were damaged when a three-day torrential rainstorm caused the river to spill over its banks.

She said she expects the project to ensure "torrential flooding should never again pose a threat to those who live along the Little Calumet."

The Budget Committee, made up of lawmakers from the House and Senate, meets monthly to authorize the release of funds appropriated in the state budget.

NEWS ARTICLES

LOCAL

In Crown Point .....(219) 662-5300 | In Portage .....(219) 762-4334
In Munster .....(219) 933-3223 | In Valparaiso .....(219) 462-5151

Flow of new businesses to Tri-Town PAGE A4

Little Cal levee panel mulling maintenance

Flood walls are expected to be finished next year

BY JEFF BURTON
jeff.burton@nwi.com, (219) 933-3246

MUNSTER | With flood wall completion set for next year, members of the Little Calumet River Basin Development Commission began discussion on how they'll maintain the levee system that runs from Gary to the Illinois state line.

Commissioners approved their first maintenance claim, for mowing and brush removal around a section running from Martin Luther King Drive in Gary to Cline Avenue in Griffith. Commissioner Kent Gurley said routine maintenance can hold the key to preventing big problems.

"It allows us to do inspections to make sure there are not gopher holes," he said.

Commissioners also are examining drafts of an operations and maintenance manual from the U.S. Army Corps of Engineers. Gurley said the manual sets a maintenance timetable and points out how to effectively do the job.

It doesn't, though, say who does what or how it's funded. To figure that out, Gurley said the commission will be meeting with officials from communities adjacent to the river.

"We have to get all five, six communities together," Gurley said.

While the commissioners shift their attention from construction to maintenance, Munster resident Steve Enger said they're not discussing what's important to those who face the dangers of flooding.

"We have to be taken out of the flood plain. We can't lose sight of that," Enger said.

Enger, who pays about $2,300 annually for flood insurance, said residents need to know when they'll see financial relief and asked for a timetable as to when he and his neighbors can expect to be removed from the flood plain.

"We're a long way away from that," Commissioner Ron McAhron said.

McAhron said homes can't be taken out of the flood plain until the levees are certified by the Federal Emergency Management Agency, and the commission can't apply for consideration until the project is complete. McAhron said FEMA approval usually happens six to eight months after completion.

John Harrigan, a resident of Munster's Northcote Avenue, said even when the levee system is certified, he'll still be investing in flood insurance, something McAhron said the state encourages.

McAhron said while the levees were designed to withstand a 200-year flood, with a man-made structure anything is possible.

"It's not infallible," he said.

The Times

Flood fallout rests with panel

Little Cal board reshaped after governor, Visclosky criticized levee delays

BY JEFF BURTON
jeff.burton@nwi.com, (219) 933-3246

MUNSTER | As waters swept through neighborhoods adjacent to the Little Calumet River and its tributaries last year, elected officials from the Statehouse to the U.S. Capitol began focusing their attentions on who dropped the ball, with fingers soon pointing at the Little Calumet River Basin Development Commission.

The commission, formed in the 1980s and charged with constructing levees along the river, was seen as inefficient. Work on the Little Calumet floodwalls began in 1991 and was scheduled to be completed within a decade, yet large phases of the project in Hammond, Munster and Highland hadn't been started when the river's waters overflowed into neighborhoods last September.

Days after the deluge, U.S. Rep. Pete Visclosky, D-Ind., called for the removal of Dan Gardner, the commission's executive director since 1990. Gov. Mitch Daniels echoed those sentiments and a week later, Gardner resigned. Visclosky also called for a sweeping reorganization of the commission, moving from an 11-member to five-member panel, all appointed by the governor, regardless of political affiliation. The Indiana General Assembly approved that plan, and, in July, the new panel was seated. Of those members, only Kent Gurley, of Hammond, was on the commission at the time of the flood.

Dan Dernulc, the commission's current chairman, said he doesn't look at what happened as a "shake-up" but as a "reinvention." Dernulc said the flood was a wake-up call to not only the commission members but to elected officials that the project needs to be completed as soon as possible.

"Each of the commissioners that were on before did what they felt was right," Dernulc said. "All I know is when I was appointed to this board, my goal was to do two things: get the money we needed to complete the project and give the Army Corps permission to get bids."

Before last year, the commission was regularly awarded $2 million from the state's biennial budget. This year, it was earmarked $14 million.

"The $14 million will be enough to complete the project, unless the contractors find something in the ground we don't know about," Dernulc said. "The (final) two bids were substantially less than we estimated, so the local match will be less. We'll be paying less."

Regarding the commission's internal structure, members formerly were appointed by the governor, the Lake County and Porter County commissioners, the Indiana Department of Natural Resources and the mayors of Hammond and Gary. With fewer members, and without individual interests, Dernulc said he expects commissioners will be able to make well-informed decisions more quickly.

"I think with less people, we'll be able to expedite it and have a more robust debate on things to get it done," he said.

Commissioners also are looking at filling the executive director position, which has remained vacant since Gardner's resignation, except for a three-month period during which Jody Melton, the director of the Kankakee River Basin Commission, filled in.

ONE YEAR AFTER THE FLOODS

The Times 9-15-09

REPEAT RISK IS DIMINISHED

JOHN J. WATKINS PHOTOS | THE TIMES

Jim Pokrajac, engineer for the Little Calumet River Basin Development Commission, talks about the progress of the levee project. "For flooding purposes, the lines of protection are complete," he said.

Levees, other improvements providing 'line of protection'

BY JEFF BURTON
jeff.burton@nwi.com, (219) 933-3246

MUNSTER | A risk of flooding along the Little Calumet River will remain this time next year, but completed levees should greatly reduce the odds of anything like the flooding that occurred in September 2008, engineers say.

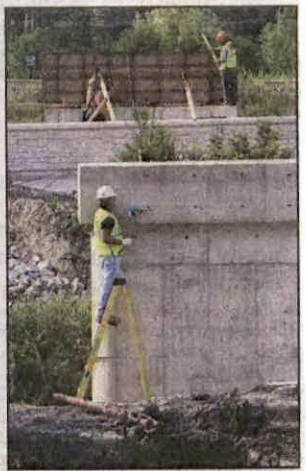
With an infusion of funding during the past year, the pace has quickened on floodwall construction, with crews building earthen levees along recreational and unpopulated areas and concrete floodwalls in neighborhoods between Kennedy and Northcote avenues. While some of those levees aren't complete, Little Calumet River Basin Development Commission engineer Jim Pokrajac said if a flood hit those areas tomorrow, residents would be protected.

"For flooding purposes, the lines of protection are complete," Pokrajac said.

One area of concern has been a wide utility corridor abutting the Norfolk-Southern railroad tracks, just west of Kennedy Avenue, near Optimist Lake. Pokrajac said that area, subject to two years of negotiations with eight different companies and home to 16 petroleum and natural gas pipelines,

INSIDE: City, town leaders seek solutions together as floods force cooperation. **PAGE A6**

See FLOODING on Page A6



As part of the levee project, workers construct concrete abutments for a pedestrian bridge over the Little Calumet River from Highland to Hammond just west of Kennedy Avenue.

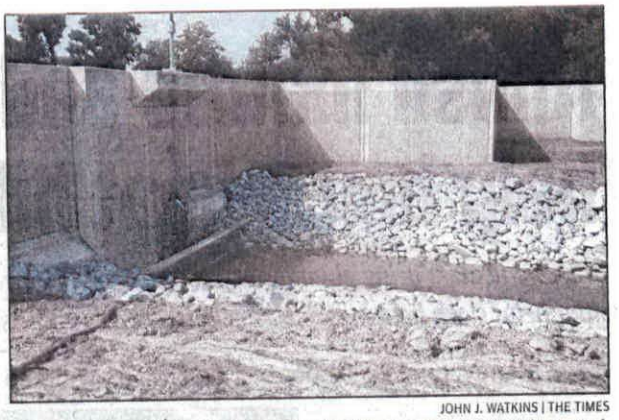
A LOOK AT THE SERIES

SUNDAY: Victims and volunteers step up as communities struggle to survive, rebuild.

MONDAY: In the fallout of the deluge, officials are blamed and panels 'reinvented.'

TODAY: What does the future hold for residents along the Little Calumet River?

ONLINE: Go to NWI.COM to read the complete series, as well as see all the stories, videos and photos from last September. Find the project online at NWI.COM/FLOODS.



JOHN J. WATKINS | THE TIMES

Much of the flood protection work has been completed, including this section of the levee in Hammond. Included is a sluice gate in conjunction with a flap gate that allows water to flow into the Little Calumet River if necessary but prevents water from flooding the nearby land.

CONTINUED FROM PAGE A1

Flooding

is nearing completion.

The only flood control gap right now is next to the tracks, but an aluminum gate soon will be installed to seal off the area during flooding, he said. In the interim, crews will need to sandbag.

"This took so long to complete. So much of the water came up from there," Pokrajac said. "In the event there's a flood right now, Hammond and Highland could sandbag this area. It's so much less than what we had to do before."

Earthen levees now protect the area around Wicker Memorial Park, constructed slightly ahead of schedule, Pokrajac said. North Township Trustee Frank J. Mrvan and the township board donated easements along both the river and Hart's Ditch, saving time that would have been spent negotiating land acquisition.

And North Township saved the project money by allowing excavators to dig clay from the golf course to use in levee construction, Pokrajac said. In return, the golf course received two large retention ponds that will help control flooding in low-lying areas.

While it sustained heavy damage last year, Pokrajac said Wicker Park actually helped save homes in Munster and Highland from floodwaters.

"Wicker Park was designed to hold water," he said. "If all that water hadn't gone to Wicker, it could have been much worse for residents."

> "Wicker Park was designed to hold water. If all that water hadn't gone to Wicker, it could have been much worse for residents."
>
> **JIM POKRAJAC**, engineer

On the other side of the ditch, water once flowed right across Hawthorne Drive, Pokrajac said. Now tall concrete floodwalls line the eastern side of the street.

"This whole neighborhood was under 3, 4 feet of water," he said.

From there, levees and floodwalls run uninterrupted to Northcote Avenue, where work is beginning on the final two phases of the project.

"Right now our main directive is to get the line of protection in to the state line," Pokrajac said.

While Northcote is not currently protected, a recently completed control structure could lessen the impact of a flood, even without the levees in place. Pokrajac said the twin concrete towers in the middle of the Little Calumet River, just east of Northcote Avenue, are designed to reduce the flow of water heading west.

With a new real-time monitoring station from the U.S. Geological Survey located in Hart's Ditch on the western edge of Wicker Memorial Park, Pokrajac said officials from Munster, Hammond and Highland will have additional warning when they need to put into place emergency plans.

Hart Ditch brings stormwater from as far south as Dyer and Schererville into the Little Calumet River.

For the system to work as planned, Pokrajac said, routine maintenance will be needed on the new construction.

Times 9-17-09

THE TIMES
OPINION

EDITORIAL

Levee panel must move swiftly

The newly reconstituted Little Calumet River Basin Development Commission must move quickly to finish this levee system. And then the state General Assembly must consider how to maintain the levees already built along the Kankakee and Little Calumet rivers.

The lessons from the September 2008 flooding along the Little Calumet River must not soon be forgotten.

The flood claimed two lives and damaged 4,000 homes.

That flood also was the event that precipitated a major change in the structure of the Little Calumet River Basin Development Commission. After years of slow progress, Executive Director Dan Gardner was sacked and board members replaced by Gov. Mitch Daniels' appointees.

Those were the same people who had said for years that the state government wasn't pitching in enough for the local match so federal funds could flow more freely. When work began in 1991, it was supposed to be completed within a decade.

That era is history. However, the pressure is on for the new commission members to make sure they get the job done fast and without exceeding their budget.

In prior years, the commission normally received $2 million every two years. The current state budget, however, includes $14 million for the project. That should be plenty.

Contrary to the axiom that many hands make light work, the newly constituted commission has 5 members, not 11, and should be more nimble and less beholden to others than before.

The newly reconstituted Little Calumet River Basin Development Commission must move quickly and effectively to finish this levee system once and for all. The new members, appointed in August, must hit the ground running.

And then the state General Assembly must consider how to maintain the levees already built along the Kankakee and Little Calumet rivers. It is not enough simply to build levees. They must be maintained to keep them effective.

Your opinion, please

What advice do you have for the Little Calumet River Basin Development Commission?

Share your thoughts at NWI.COM/OPINION

THE TIMES

No plans for Little Cal work in Illinois

Official says construction in Indiana should provide benefits across stateline

BY GREGORY TEJEDA
Times Correspondent

The U.S. Army Corps of Engineers has no plans to do any work on the Illinois portion of the Little Calumet River, although an official said Tuesday the work being done in Indiana will help Illinois residents along the state line.

"Just because the work focuses on Indiana does not mean there are no benefits to people in Illinois," said Lynne Whalen, a Chicago-based spokeswoman for the Army Corps, explaining that better flood control in Indiana reduces the chances of excess water flowing into Illinois.

On Tuesday, construction work began on repairing and building levees and floodwalls along the river from Gary to the state line. Officials say they expect that work to be complete by the end of next year, and there are no plans to extend it farther west.

"The project only goes to the state line," said Whalen, adding that the project's engineers have not done the studies that would be necessary to extend work into Illinois.

The work along the Indiana portion of the river is meant to reduce the likelihood that heavy rainfall will cause flooding throughout the area.

The project has been in the works for years, and its need became more apparent following heavy rainfall during a weekend in mid-September 2008 that caused floods throughout the Calumet Region on both sides of the state border.

In Illinois, the dikes that keep river water from overflowing into Lansing held up - in part because they are made from concrete.

In Calumet City, an environmentally friendly earthen dike is used, and that dike collapsed, causing floods throughout that particular south suburb. City officials rebuilt that dike during the past year, and reinforced it in points to make it less likely to collapse in the event of heavy rains.

STATE SENATOR

FRANK MRVAN

District 1

2009 SESSION REPORT
STATE BUDGET APPROVED

On a local note. . .

I am very pleased that our local community will benefit from $14 million allocated in the state budget for the completion of the Little Calumet River Flood Control and Recreation Project.

Thanks to the efforts of local residents who shared their stories through letters, calls and visits to the statehouse, this project will receive the needed funding.

Senator Mrvan and Representative Mara Candelaria Reardon with the Wicker Park Neighborhood Association at the Statehouse in support of additional state funding for the Little Calumet River Flood Control and Recreation Project.

Senator Mrvan talks with Senate Student Pages during a recess in floor activities.

Little Calumet River Basin:
HEA 1716 reduces the membership of the Little Calumet River Basin Development Commission from 11 to 5, and requires the commission to perform account audits and make annual reports to the General Assembly and governor. The commission is also required to provide training and instruction to those responsible for maintaining levees or making other flood control improvements.

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
ATTENDANCE ROSTER

NAME OF MEETING: LCRBDC DATE: 10-7-09

LOCATION: Munster Town Hall CHAIRMAN: Dan Dernulc

PLEASE SIGN IN

	NAME (PLEASE PRINT)	ORGANIZATION, ADDRESS, PHONE NUMBER
1	DAVID WILLIAMS	TOWN OF MUNSTER
2	JEFF BARTON	The Times
3	Pat Huber	8146 Linden Ave
4	Jayson Reeves	3137 W 81st Pl Ave Cory, In
5	Steve Engel	CITIZEN OF MUNSTER
6	RICHARD WHITE	731 RIVER DR.
7	RUTH MORES	SOUTHMOOR RD HAM'D
8	BOB GRIFFIN	8009 MADISON, MUNSTER
9	TINA KUTKOSKI	HAMMOND IN 46324
10	Mike ZARANTONELLO	Southmoor Rd
11	BOB Paulsen	8240 NORTHCOTE
12	Kalliope + James R Dedelow	8140 White Oak Av.
13	John Flannigan	7801 Northcote Hammond
14	Don + Carol Bellman	8236 Berry Dr
15	George Janic	1701 170th Pl. Hammond
16	[illegible]	Munster
17	FRANK MCVAN	SENATOR
18	Elizabeth Johnson	Congressman Visclosky
19	Bill Howe	8181 NORTHCOTE
20	James R. and Kalliope Dedelow	8140 White Oak Ave - Munster
21	BILL KVASNICA	7832 JACKSON
22	Leon & Alice Kozlowski	8102 Oakwood Avenue, Munster
23	Karen Lorenz	270 Southmoor Hamd
24	Linda Cook	227 W Oak Place Griffith, IN 46319
25	M. Campbell	1817 Crestwood Ave Munster

Frank Lopez? Elizabeth R?
Vanessa?

Frank?

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
ATTENDANCE ROSTER

NAME OF MEETING:	DATE:
LOCATION:	CHAIRMAN:

PLEASE SIGN IN

	NAME (PLEASE PRINT)	ORGANIZATION, ADDRESS, PHONE NUMBER
1	JOHN MULESA	8049 JEFFERSON
2	Sheldon Edd	U.S. Army Corps of Engineers
3	Fred Bayinski	7920 Belmont Hammond
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	DACW27-01-C-0001	CONTRACT TYPE:	Construction	D. Anderson
CONTRACTOR:	Overstreet Electric Co., Inc.			G. Anderson
DESCRIPTION:	Little Calumet River - Pump Station Rehabilitation Phase 1A			Craib

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		5-Oct-00	4,638,400.00
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	A00015 & P00021	7-Nov-00	4,177,420.85
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION:		8-Oct-02	700
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		21-Oct-04	1,444
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		21-Oct-04	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:		T4D - Not Applicable	

ESTIMATED PROGRESS

A. Present Earnings as of Pay Est. No.	31	4,177,420.85
B. Estimated Earnings thru end of reporting period		0.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		4,177,420.85

TOTAL ESTIMATED FINAL CONTRACT AMOUNT

D. Current Contract Amount thru Mod.	A00015 & P00021	4,177,420.85
E. Current Value of Overruns/Underruns (+/-)		0.00
F. Directed, Pending Modifications		0.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		4,177,420.85

FUNDS OBLIGATED FOR PAYMENT: thru Modification	A00015 & P00021	4,177,420.85
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		100.00%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		100.00%
TOTAL EARNINGS AT THE END OF FY08		4,239,286.58

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	0.00	0.00	Feb	0.00	0.00	Jun	0.00
0.00	Nov	0.00	0.00	Mar	0.00	0.00	Jul	0.00
0.00	Dec	0.00	0.00	Apr	0.00	0.00	Aug	0.00
0.00	Jan	0.00	0.00	May	0.00	0.00	Sep	0.00

G. Current Projection of Total Fiscal Year Earnings	0.00
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	0.00
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	0.00

ACCRUALS THIS MONTH	LINE ITEM	WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FEDERAL	0001	00229B	0.00	0.00	0.00
NON-FED	0001A	00229C	0.00	0.00	0.00

PROJECT STATUS/MAJOR ISSUES:

- The Termination for Default Modification P00020 was issued by the CO on 22 FEB 2006.
The T4D mod decreased the contract amount by $711,445.19 (estimated work not complete)
- Work will be completed under the Pump 1A Surety Takeover Agreement contract.
- Surety Takeover Agreement between USACE and bonding company signed 25 JAN 2008.
- Evaluation Finalized in CCASS on 6/18/2009 - No contractor response.
- Fiscal Closeout Complete - Close-Out Package in Progress. Contract files will be retained until completion of the Surety Takeover contract.

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	DACW23-02-C-0011	CONTRACT TYPE:	Service /Supply	D. Anderson
CONTRACTOR:	Renewable Resources			G. Anderson
DESCRIPTION:	Little Calumet River - Mitigation			Babcock

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		29-Sep-02	921,102.68
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	P00025	7-Nov-02	1,405,845.29
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION		11-Jan-04	430
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		31-May-08	1895
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		31-May-08	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:		31-May-08	

ESTIMATED PROGRESS

A. Present Earnings as of Pay Est. No.	19	1,405,845.29
B. Estimated Earnings thru end of reporting period		0.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		1,405,845.29

TOTAL ESTIMATED FINAL CONTRACT AMOUNT

D. Current Contract Amount thru Mod.	P00025	1,405,845.29
E. Current Value of Overruns/Underruns (+/-)		0.00
F. Directed, Pending Modifications		0.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		1,405,845.29

FUNDS OBLIGATED FOR PAYMENT: thru Modification	P00025	1,405,940.96
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		100.00%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		100.00%
TOTAL EARNINGS AT THE END OF FY08		1,405,845.29

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	0.00	0.00	Feb	0.00	0.00	Jun	0.00
0.00	Nov	0.00	0.00	Mar	0.00	0.00	Jul	0.00
0.00	Dec	0.00	0.00	Apr	0.00	0.00	Aug	0.00
0.00	Jan	0.00	0.00	May	0.00	0.00	Sep	0.00

G. Current Projection of Total Fiscal Year Earnings	0.00
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	0.00
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	0.00

ACCRUALS THIS MONTH	LINE ITEM	WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FEDERAL	0001	FC9630	0.00	0.00	0.00
NON-FED	0002	JGDLFC	0.00	0.00	0.00
FEDERAL	0003	723J83	0.00	0.00	0.00
NON-FED	0004	DD93KF	0.00	0.00	0.00

PROJECT STATUS/MAJOR ISSUES:

- Final Quantities Modification P00022 was completed 22 OCT 2007 (-$95.67)
- Modification P00024 completed 15 JAN 2008 to extend contract to 31 MAY 2008 to achieve final burn.
- Final Inspection completed 11 JUL 2008 - no punch list items remain.
- **WORK CONSIDERED SUBSTANTIALLY COMPLETE ON 05/31/2008.**
- **CONTRACT CLOSE-OUT IN PROGRESS - AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY GOVERNMENT AND RETURNED TO THE CONTRACTOR TO BE FINALIZED AFTER WHICH KTR EVAL WILL BE PREPARED.**

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	W912P6-04-C-0003	CONTRACT TYPE:	Construction	D. Anderson
CONTRACTOR:	Tallgrass Restoration, LLC			Mills
DESCRIPTION:	Little Calumet River Landscaping, Phase 2			Rundzaitis

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		30-Jun-04	648,995.23
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	P00008	29-Jul-04	648,995.23
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION		1-Oct-10	2255
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		1-Oct-10	2255
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS		1-Oct-10	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE			

ESTIMATED PROGRESS		
A. Present Earnings as of Pay Est. No.	13	549,291.90
B. Estimated Earnings thru end of reporting period		10,000.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		559,291.90
TOTAL ESTIMATED FINAL CONTRACT AMOUNT		
D. Current Contract Amount thru Mod.	P00008	648,995.23
E. Current Value of Overruns/Underruns (+/-)		0.00
F. Directed, Pending Modifications		0.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		648,995.23
FUNDS OBLIGATED FOR PAYMENT: thru Modification	P00008	648,995.23
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		86.18%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		87.00%
TOTAL EARNINGS AT THE END OF FY08		490,962.43

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	158,032.80	0.00	Feb	117,986.85	0.00	Jun	117,986.85
22,058.74	Nov	135,974.06	0.00	Mar	117,986.85	0.00	Jul	117,986.85
17,987.21	Dec	117,986.85	0.00	Apr	117,986.85	0.00	Aug	107,986.85
0.00	Jan	117,986.85	0.00	May	117,986.85	10,000.00	Sep	107,986.85

G. Current Projection of Total Fiscal Year Earnings	50,045.95
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	58,539.16
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	-8,493.21

ACCRUALS THIS MONTH	LINE ITEM	WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FEDERAL	0001	001T8X	0.00	0.00	0.00
NON-FED	0002	001TCQ	0.00	0.00	0.00
FEDERAL	0003	1C94LF	0.00	9,300.00	9,300.00
NON-FED	0004	1C94LF	0.00	700.00	700.00

PROJECT STATUS/MAJOR ISSUES:

-Modification pending to remove project areas that were covered with gravel.

- Some bare areas existed along the project stretch,however the Contractor reseeded the areas in Spring of 2009. USACE recently participated in a levee inspection with Tallgrass. The bare areas have grown in. However, some of the growth still requires invasive species removal. The Contractor plans to mow in the next 2 weeks.
- The Contractor is working on the monitoring portion of the project.

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	W912P6-04-C-0007	CONTRACT TYPE:	Construction	D. Anderson
CONTRACTOR:	Illinois Constructors Corporation			Edd
DESCRIPTION:	Local Flood Protection Little Calumet River, Indiana Stage VI-1 South Levee			Lee

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		30-Sep-04	6,503,093.70
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	P00015& A00013	4-Nov-04	7,568,211.87
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION:		4-Dec-06	760
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		5-Sep-07	1035
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		5-Sep-07	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:			

ESTIMATED PROGRESS		
A. Present Earnings as of Pay Est. No.	27	7,568,211.87
B. Estimated Earnings thru end of reporting period		0.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		7,568,211.87
TOTAL ESTIMATED FINAL CONTRACT AMOUNT		
D. Current Contract Amount thru Mod.	P00015& A00013	7,568,211.87
E. Current Value of Overruns/Underruns (+/-)	(Variations in Final Quant)	0.00
F. Directed, Pending Modifications		0.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		7,568,211.87
FUNDS OBLIGATED FOR PAYMENT: thru Modification	P00015& A00013	7,568,211.87
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		100.00%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		100.00%
TOTAL EARNINGS AT THE END OF FY0(Includes $97,969.48 accruals made in FY 08)		7,558,843.75

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	9,368.12	0.00	Feb	9,368.12	0.00	Jun	0.00
0.00	Nov	9,368.12	9,368.12	Mar	0.00	0.00	Jul	0.00
0.00	Dec	9,368.12	0.00	Apr	0.00	0.00	Aug	0.00
0.00	Jan	9,368.12	0.00	May	0.00	0.00	Sep	0.00

Liquidated Damages of $20,748 within SEP 08 earnings

G. Current Projection of Total Fiscal Year Earnings	9,368.12
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	0.00
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	9,368.12

ACCRUALS THIS MONTH	LINE ITEM	PROJECT WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FEDERAL	0001	001TXB	0.00	0.00	0.00
NON-FED	0002	00230C	0.00	0.00	0.00
FEDERAL	0003	1C94LF	0.00	0.00	0.00
NON-FED	0004	KF4KF0	0.00	0.00	0.00
FEDERAL	0005	1C94LF	0.00	0.00	0.00
NON-FED	0006	KF4KF0	0.00	0.00	0.00
		TOTALS	0.00	0.00	0.00

PROJECT STATUS/MAJOR ISSUES:

Contract fully funded. - North Drive Pump Station being fully operated by Town of Highland. Town installed permanent standby generator. Punch List Completed, last repair of leaking conduit in North Drive Pump Station seems to have worked . Final Quantity Mod complete. Final Inspection was held on Oct 12, 2007.

=====> $14,150.00 withheld until as-builts complete. Corps final comments sent to Contractor.

=====> Liquidated damages of $20,748.00 are being assessed Sep 6 thru Sep 19, 2007.

***** WORK CONSIDERED SUBSTANTIALLY COMPLETE ON 09/19/2007 *****

*****REPAIRS OF LEAKAGE INTO NDPS CONTROL ROOM DELAYED CLOSE OUT PROCESS*****

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	W912P6-05-C-0006	CONTRACT TYPE: Construction		D. Anderson
CONTRACTOR:	Dyer Construction Company			Edd/Nielsen
DESCRIPTION:	Little Calumet River, Stage VI-Phase II			Babcock

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		18-Oct-05	4,205,644.17
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	A00004/P00008	18-Oct-05	4,293,833.91
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION:		11-Apr-07	540
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		1-Jun-07	591
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		1-Jun-07	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:		NA	

ESTIMATED PROGRESS		
A. Present Earnings as of Pay Est. No.	16	4,293,833.91
B. Estimated Earnings thru end of reporting period		0.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		4,293,833.91
TOTAL ESTIMATED FINAL CONTRACT AMOUNT		
D. Current Contract Amount thru Mod.	A00004/P00008	4,293,833.91
E. Current Value of Overruns/Underruns (+/-)		0.00
F. Directed, Pending Modifications		0.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		4,293,833.91
FUNDS OBLIGATED FOR PAYMENT: thru Modification	A00004/P00008	4,293,833.91
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		100.00%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		100.00%
TOTAL EARNINGS AT THE END OF FY08	(Includes $56,741.09 accruals made in FY08)	4,219,329.46

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	74,504.45	0.00	Feb	74,504.45	0.00	Jun	0.00
0.00	Nov	74,504.45	0.00	Mar	74,504.45	0.00	Jul	0.00
0.00	Dec	74,504.45	74,504.45	Apr	0.00	0.00	Aug	0.00
0.00	Jan	74,504.45	0.00	May	0.00	0.00	Sep	0.00

G. Current Projection of Total Fiscal Year Earnings	74,504.45
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	77,494.16
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	-2,989.71

ACCRUALS THIS MONTH	LINE ITEM	PROJECT WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FEDERAL	0001	1C94LF	0.00	0.00	0.00
NON-FEDERAL	0002	KF4KF0	0.00	0.00	0.00
FEDERAL	0003	1C94LF	0.00	0.00	0.00
NON-FEDERAL	0004	KF4KF0	0.00	0.00	0.00
		TOTAL	0.00	0.00	0.00

PROJECT STATUS/MAJOR ISSUES:

Contract is fully funded -

- Final Inspection held on August 22, 2007. Punch list completed. Some trees to be moved by others.
- As-Builts complete. Miscellaneous items turned over to Local Sponsor. Close out package approved.
- Final $100 payment in process. Project files to be boxed up for archive.

***** THE WORK WAS DETERMINED TO BE SUBSTANTIALLY COMPLETE ON JUNE 1, 2007 *****

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	W912P6-05-C-0010	CONTRACT TYPE:	Construction	D. Anderson
CONTRACTOR:	Illinois Constructors Corporation			Edd
DESCRIPTION:	Local Flood Protection Little Calumet River, Indiana Stage VI-1 North Levee			Lee

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		30-Sep-05	5,566,871.00
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	A00009 & P00012	19-Oct-05	5,749,374.51
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION:		21-Jul-07	640
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		27-Nov-07	769
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		27-Nov-07	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:		N/A	

ESTIMATED PROGRESS		
A. Present Earnings as of Pay Est. No.	16	5,448,720.53
B. Estimated Earnings thru end of reporting period		$217,306.58
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		5,666,027.11
TOTAL ESTIMATED FINAL CONTRACT AMOUNT		
D. Current Contract Amount thru Mod.	A00009 & P00012	5,749,374.51
E. Current Value of Overruns/Underruns (+/-)	(Variations in estimated Quantities)	-87,098.50
F. Directed, Pending Modifications		24,622.58
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		5,686,898.59
FUNDS OBLIGATED FOR PAYMENT: thru Modification	A00009 & P00012	5,749,374.51
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		99.63%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		100.00%
TOTAL EARNINGS AT THE END OF FY08	(Includes $287,711.31 accruals made in FY08)	5,526,505.19

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	222,869.32	0.00	Feb	222,869.32	0.00	Jun	222,869.32
0.00	Nov	222,869.32	0.00	Mar	222,869.32	0.00	Jul	222,869.32
0.00	Dec	222,869.32	0.00	Apr	222,869.32	0.00	Aug	222,869.32
0.00	Jan	222,869.32	0.00	May	222,869.32	$144,966.84	Sep	77,902.48

G. Current Projection of Total Fiscal Year Earnings	144,966.84
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	200,000.00
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	-55,033.16

ACCRUALS THIS MONTH	LINE ITEM	Obligation WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FED	0002	1C94LF	$72,339.74	$139,500.00	$211,839.74
NON-FED	0001	KF4KF0	$0.00	$5,466.84	$5,466.84
		TOTAL	$72,339.74	$144,966.84	$217,306.58

FULLY FUNDED PROJECT Contractor directed to replace non-conforming satisfactory fill, 100% Contractor responsibility, work completed Final Inspection held on June 19, 2009 Most work essentially completed. Final Punchlist assembled.
** Wetland fill violation at Oxbow outside work limits an issue between LCRBDC, City of Hammond, Corps Regulatory and IDEM. RESOLUTION UNKNOWN - in hands of LCRBDC. Krosan Properties crossed easements and tied into MH 172 with RCP outlet line and placed minor retaining wall on levee land side slope, LCRBDC informed. Final cross sections after repairs submitted and being reviewed. ****SUBSTANTIAL COMPLETION WAS 11/27/07 - *****
****REPLACEMENT OF NON-CONFORMING LEVEE FILL AND SUBSEQUENT PROJECT PUNCH LIST WORK, CURRENTLY IN PROGRESS, HAS DELAYED CLOSEOUT OF THIS PROJECT.****

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	W912P6-07-C-0003	CONTRACT TYPE:	Construction	D. Anderson
CONTRACTOR:	Dyer Construction Co., Inc.			Edd/Nielsen
DESCRIPTION:	LCR, Local Flood Protection, Burr Street Phase 2 East			Craib

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		28-Feb-07	3,342,583.22
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	A00005	13-Mar-07	3,265,664.86
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION:		5-Jul-08	480
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		6-May-09	785
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		6-May-09	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:		N/A	

ESTIMATED PROGRESS		
A. Present Earnings as of Pay Est. No.	8	2,831,385.55
B. Estimated Earnings thru end of reporting period		414,279.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		3,245,664.55
TOTAL ESTIMATED FINAL CONTRACT AMOUNT		
D. Current Contract Amount thru Mod.	A00005	3,265,664.86
E. Current Value of Overruns/Underruns (+/-)		-10,322.73
F. Directed, Pending Modifications	(Mult. Changes)	56,600.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		3,311,942.13
FUNDS OBLIGATED FOR PAYMENT: thru Modification	A00005	3,265,664.86
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		98.00%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		100.00%
TOTAL EARNINGS AT THE END OF FY0 (Includes $180,000.00 accruals made in FY08)		3,011,385.55

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	254,279.31	0.00	Feb	254,279.31	0.00	Jun	254,279.31
0.00	Nov	254,279.31	0.00	Mar	254,279.31	0.00	Jul	254,279.31
0.00	Dec	254,279.31	0.00	Apr	254,279.31	$0.00	Aug	254,279.31
0.00	Jan	254,279.31	0.00	May	254,279.31	$234,279.00	Sep	20,000.31

G. Current Projection of Total Fiscal Year Earnings	234,279.00
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	360,566.31
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	-126,287.31

ACCRUALS THIS MONTH	LINE ITEM	WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FEDERAL	0001	1C94L4	140,000.00	55,640.00	195,640.00
NON-FED	0002	B72JJ5	140,000.00	78,639.00	218,639.00
		TOTAL	280,000.00	134,279.00	414,279.00

PROJECT STATUS/MAJOR ISSUES:

This Contract is fully funded. Contract Awarded 02/28/2007. NTP Acknowledged 03/13/2007

- RFP sent to Contractor for miscellaneous mod and debris in levee foundation, received preliminary approval from LCRBDC. Proposal being reviewed and processed.
- Final Quantities being determined, reviewing contractor resubmittal.
- Final Inspection was held on May 18, 2009. Punch List was generated and Contractor has completed all work on list.
- As Built Drawings being finalized.

**** CONTRACT CONSIDERED SUBSTANTIALLY COMPLETE 06 MAY 2009****

Construction Progress Report
Thru End of September 2009

				TS-C-S
CONTRACT NO.:	W912P6-07-C-0011	CONTRACT TYPE:	Construction	D. Anderson
CONTRACTOR:	Dyer Construction Co., Inc.			Edd
DESCRIPTION:	LCR, Local Flood Protection, Stage 5-2			Babcock

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		29-Sep-07	13,140,189.41
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	A00021/P00011	17-Oct-07	18,171,409.25
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION:		5-Nov-09	750
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		30-Jan-10	836
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		25-May-10	115
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:		31-Jul-10	

ESTIMATED PROGRESS

A. Present Earnings as of Pay Est. No.	20	14,905,092.90
B. Estimated Earnings thru end of reporting period	(est. work in place)	750,000.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		15,655,092.90

TOTAL ESTIMATED FINAL CONTRACT AMOUNT

D. Current Contract Amount thru Mod.	A00021/P00011	18,171,409.25
E. Current Value of Overruns/Underruns (+/-)	(over strip/impervioius)	1,500,000.00
F. Directed, Pending Modifications (see comments below for descr.)		850,500.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		20,521,909.25

FUNDS OBLIGATED FOR PAYMENT: thru Modification	A00021/P00011	16,846,257.70
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		76.28%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		77.00%
TOTAL EARNINGS AT THE END OF FY08	(Includes $790,000.00 accruals made in FY08)	9,768,247.54

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	7,078,010.16	130,065.37	Feb	6,401,964.31	252,212.12	Jun	4,382,200.81
390,310.56	Nov	6,687,699.60	501,863.32	Mar	5,900,100.99	1,282,046.69	Jul	3,100,154.12
73,547.86	Dec	6,614,151.74	451,377.54	Apr	5,448,723.45	1,159,989.32	Aug	1,940,164.80
82,122.06	Jan	6,532,029.68	814,310.52	May	4,634,412.93	750,000.00	Sep	1,190,164.80

G. Current Projection of Total Fiscal Year Earnings	5,887,845.36
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	6,508,742.15
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	-620,896.79

ACCRUALS THIS MONTH	LINE ITEM	OBLIGATION WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
NON-FED	0001	KF4KFO	$0.00	$52,500.00	$52,500.00
FEDERAL	0002	1C94L4	$0.00	$697,500.00	$697,500.00
FEDERAL (Recr.)	0003	1C94L4	$0.00	$0.00	$0.00
NON-FED (Recr.)	0004	KF4KFO	$0.00	$0.00	$0.00
FEDERAL (Cntrl. Str.)	0005	1C94L4	$0.00	$0.00	$0.00
NON-FED (Cntrl. Str.)	0006	KF4KFO	$0.00	$0.00	$0.00
TOTAL			$0.00	$750,000.00	$750,000.00

PROJECT STATUS/MAJOR ISSUES:

This Contract is incrementally funded. - A contract modification has been negotiated and is being processed to compensate the Contractor for all remaining adverse weather delay days and Differing Site Condition delays experienced prior to April 1, 2009 that will extend the contract completion date to May 15, 2010. The current completion date is January 30, 2010. April and May 2009 were extremely wet, the impact of this adverse weather is being determined at this time. The combination of the affects of this adverse weather and the effects of contract modifications that are being processed will result in a contract extension approximately to the end of July 2010. This estimate does not include additional future modifications or more unusually severe weather in 2009.
Current Progress - Concrete for flood wall in process in SE utility corridor. The Hart Ditch Control Structure concrete has been completed, embankment yet to finish. Ped Bridge supports nearly complete. Working on Gatewells west of Kennedy,
> Pending mods- not all listed * East of Kennedy Ped Bridge DSC - RFP being developed
* Hart Ditch Cntrl Structure Access & Hart Ditch Control Structure So. Fill DSC - RFPs issued
* RFP issued for 18" CMP DSC Wicker Park I-Wall. Proposal Received * Baring floodwall raise, negotiations in progress
* Excess excav material - Overstrip/Imperv. fill in var. locns. - $1,500,000 add to contract
* Access Ramp 5N-E and drainage structure re-alignment modification in process.
* So. Kennedy Pump Station Gatewell DSC, RFP being developed.

Construction Progress Report
Thru End of September
2009

TS-C-S
D. Anderson
G. Anderson
Craib

CONTRACT NO.:	W81G6680523765	CONTRACT TYPE: Construction	
CONTRACTOR:	The Hartford		
DESCRIPTION:	Little Calumet River - Pump Station Phase 1A - Surety Takeover Agreement		

ORIGINAL CONTRACT AWARD DATE/AMT. (SURETY TAKEOVER SIGNED):		25-Jan-08	725,845.54
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	03	17-Jul-08	764,774.81
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION:		12-Jul-09	360
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		25-Sep-09	435
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		25-Sep-09	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:		25-Sep-09	

ESTIMATED PROGRESS

A. Present Earnings as of Pay Est. No.	7	628,020.84
B. Estimated Earnings thru end of reporting period		100,000.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		728,020.84

TOTAL ESTIMATED FINAL CONTRACT AMOUNT

D. Current Contract Amount thru Mod.	03	764,774.81
E. Current Value of Overruns/Underruns (+/-)		0.00
F. Directed, Pending Modifications		0.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		764,774.81

FUNDS OBLIGATED FOR PAYMENT: thru Modification	03	764,774.81
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		95.19%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		94.00%
TOTAL EARNINGS AT THE END OF FY08		0.00

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	764,774.81	67,926.98	Feb	696,847.83	80,276.18	Jun	332,969.36
0.00	Nov	764,774.81	80,110.93	Mar	616,736.90	112,106.69	Jul	220,862.67
0.00	Dec	764,774.81	115,162.38	Apr	501,574.52	84,108.70	Aug	136,753.97
0.00	Jan	764,774.81	88,328.98	May	413,245.54	100,000.00	Sep	36,753.97

G. Current Projection of Total Fiscal Year Earnings	728,020.84
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	725,845.54
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	2,175.30

ACCRUALS THIS MONTH	LINE ITEM	WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FEDERAL	0001	00229B	33,378.91	59,621.09	93,000.00
NON-FED	0001A	00229C	2,512.39	4,487.61	7,000.00
			35,891.30	64,108.70	100,000.00

PROJECT STATUS/MAJOR ISSUES:

South Kennedy SWP Pump No. 3 field tested 11 NOV 2008. Test results acceptable.
South Kennedy SWP Pump No. 2 field tested 27 May 2009. Test results acceptable.
South Kennedy SWP Pump No. 1 on site and ready for installation.
This is the last pump to be removed, rebuilt and reinstalled on this contract.
Walnut Avenue SWP #6 Complete.
Walnut Avenue SWP #5 Complete.
Walnut Avenue SWP #4 Complete.
Modifications: 01 - Additional Rehab S. Kennedy SWP #2 ($12,258.69 & 35 Day Extension)
02 - Additional Rehab S. Kennedy SWP #1 ($14,312.26 & 30 Day Extension)
03 - Additional Rehab Walnut Pump 4 Motor ($12,358.32 & 10 Day Extension)
Pending changes: NONE

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	W912P6-08-C-0016	CONTRACT TYPE:	Construction	D. Anderson
CONTRACTOR:	Theineman Construction			G. Anderson
DESCRIPTION:	PUMP STATION 2A Rehabilitation			R.Craib

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		26-Jun-08	1,644,000.00
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	A00003	15-Jul-08	1,683,599.82
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION:		20-Jun-09	340
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		10-Nov-09	483
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		10-Dec-09	30
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:		10-Dec-09	

ESTIMATED PROGRESS		
A. Present Earnings as of Pay Est. No.	9	1,148,319.42
B. Estimated Earnings thru end of reporting period		180,000.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		1,328,319.42
TOTAL ESTIMATED FINAL CONTRACT AMOUNT		
D. Current Contract Amount thru Mod.	A00003	1,683,599.82
E. Current Value of Overruns/Underruns (+/-)		0.00
F. Directed, Pending Modifications		35,000.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		1,718,599.82
FUNDS OBLIGATED FOR PAYMENT: thru Modification	A00003	1,664,744.42
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		68.21%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		82.00%
TOTAL EARNINGS AT THE END OF FY08		12,208.00

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	1,631,792.00	0.00	Feb	1,527,276.09	206,170.92	Jun	836,155.71
0.00	Nov	1,631,792.00	74,860.39	Mar	1,452,415.70	185,176.11	Jul	650,979.60
73,272.00	Dec	1,558,520.00	209,456.80	Apr	1,242,958.90	155,299.02	Aug	495,680.58
31,243.91	Jan	1,527,276.09	200,632.27	May	1,042,326.63	180,000.00	Sep	315,680.58

G. Current Projection of Total Fiscal Year Earnings	1,316,111.42
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	1,629,000.00
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	-312,888.58

ACCRUALS THIS MONTH	LINE ITEM	WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FEDERAL	0001	1C94LF	$ 41,571.91	$ 125,828.09	$ 167,400.00
FEDERAL	0002	KF4KF0	$ 3,129.07	$ 9,470.93	$ 12,600.00

PROJECT STATUS/MAJOR ISSUES

NIPSCO Utility upgrade work complete at Forest Avenue and Tapper.
Forest Avenue - SWP #2 installed - SWP #1 removed and sent for inspection. Additional Rehab required.
Tapper - SWP #2 installed - SWP #1 removed and sent for inspection. Additional Rehab required
Modification A00003 completed 02 SEP 2009 for NIPSCO Utility Upgrade Delay ($18,855.40 & 69 Day Extension)
Pending changes:
SS004 Tapper Pump 1 Discharge Pipe Repair ($5,000.00 w/ no time extension)
SS005 Tapper Pump 1 Additional Rehabilitation ($15,000 w/ 30 day time extension)
SS006 Forest Ave. Pump 1 Additional Rehabilitation ($15,000 w/ no time extension)

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	W912P6-08-C-0027	CONTRACT TYPE:	Construction	D. Anderson
CONTRACTOR:	Garner Services, LLC			G. Anderson
DESCRIPTION:	Little Calumet River, Pump Station 2B			R. Craib

ORIGINAL CONTRACT AWARD DATE/AMT.:		30-Sep-08	18,903,380.00
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	A00001 & P00008	20-Oct-08	18,891,580.00
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION		13-Apr-10	540
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		13-Apr-10	540
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS		13-Apr-10	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE		13-Apr-10	

ESTIMATED PROGRESS		
A. Present Earnings as of Pay Est. No.	7	7,098,906.27
B. Estimated Earnings thru end of reporting period		1,500,000.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		8,598,906.27
TOTAL ESTIMATED FINAL CONTRACT AMOUNT		
D. Current Contract Amount thru Mod.	A00001 & P00008	18,891,580.00
E. Current Value of Overruns/Underruns (+/-)		0.00
F. Directed, Pending Modifications		28,000.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		18,919,580.00
FUNDS OBLIGATED FOR PAYMENT: thru Modification	A00001 & P00008	9,726,000.00
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		45.45%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		40.00%
TOTAL EARNINGS AT THE END OF FY08		0.00

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	9,726,000.00	682,578.00	Feb	8,692,498.00	1,417,813.19	Jun	6,456,581.06
350,924.00	Nov	9,375,076.00	0.00	Mar	8,692,498.00	1,174,244.70	Jul	5,282,336.36
0.00	Dec	9,375,076.00	158,745.87	Apr	8,533,752.13	2,655,242.63	Aug	2,627,093.73
0.00	Jan	9,375,076.00	659,357.88	May	7,874,394.25	1,500,000.00	Sep	1,127,093.73

G. Current Projection of Total Fiscal Year Earnings	8,598,906.27
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	5,125,000.00
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	3,473,906.27

ACCRUALS THIS MONTH	LINE ITEM	WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FED	0001	KD2D2D	0.00	1,023,000.00	1,023,000.00
NON-FED	0002	37K7KB	0.00	77,000.00	77,000.00
FED ARRA	0003	9D6307	0.00	372,000.00	372,000.00
NON-FED ARRA	0004	41KFCD	0.00	28,000.00	28,000.00

Contract Awarded 30 September 2008

- New Pumps for the three pump stations factory tested during week of 14 SEP 2009. Pump installation scheduled end of SEP 2009.
- Pending Issue - Excessive influent into the Indianapolis Pump Station prevented Contractor from working in the wet well from mid April until early July. Contract change in progress - delay ruled by KO to be partially adverse weather & partially differing site condition. Requested Contractor to provide impact to contract in letter dated 30 JUL 2009.
- Contracting Officer issued an RFP to NIPSCO for utility upgrades at Southside, Jackson & Indianapolis.
- Modifications:
  - A00007 ARRA Incremental Funding ($3,226,000.00) completed 31 AUG 2009.
  - A00008 Incremental Funding ($1,000,000.00) pending approval.
- Pending Changes:
  - SS005 Remove Additional Discharge Box Plates at Southside PS - Est. $15,000 Increase
  - SS006 Revise Ceiling Light Supports - Est. $2,000 Decrease
  - SS007 Provide Photocontrols on Exterior Lights - Estimate Pending
  - SS008 Remove Carbon Dust - Pending Further Evaluation
  - SS009 Remove Grit from Southside Pump Station - Est. $15,000 Increase.
  - SS015 Incremental Funding ($1,632,403.00) in progress.

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	W912P6-09-C-0003	CONTRACT TYPE:	Construction	D. Anderson
CONTRACTOR:	Ceres Environmental			Edd
DESCRIPTION:	LCR, Local Flood Protection, Stage VII - Floodwall			Babcock

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		16-Apr-09	13,814,973.70
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	P00002	12-May-09	13,814,973.70
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION:		8-Dec-10	575
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		8-Dec-10	575
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		8-Dec-10	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:		8-Dec-10	

ESTIMATED PROGRESS

A. Present Earnings as of Pay Est. No.	1	454,577.60
B. Estimated Earnings thru end of reporting period	(est. work in place)	120,000.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		574,577.60

TOTAL ESTIMATED FINAL CONTRACT AMOUNT

D. Current Contract Amount thru Mod.	P00002	13,814,973.70
E. Current Value of Overruns/Underruns (+/-)	(over strip/impervioius)	0.00
F. Directed, Pending Modifications (see comments below for descr.)		0.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		13,814,973.70

FUNDS OBLIGATED FOR PAYMENT: thru Modification	P00002	3,700,000.00
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		4.16%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		4.00%
TOTAL EARNINGS AT THE END OF FY08		0.00

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	3,700,000.00	0.00	Feb	3,700,000.00	0.00	Jun	3,700,000.00
0.00	Nov	3,700,000.00	0.00	Mar	3,700,000.00	454,577.60	Jul	3,245,422.40
0.00	Dec	3,700,000.00	0.00	Apr	3,700,000.00	0.00	Aug	3,245,422.40
0.00	Jan	3,700,000.00	0.00	May	3,700,000.00	120,000.00	Sep	3,125,422.40

G. Current Projection of Total Fiscal Year Earnings	574,577.60
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	0.00
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	574,577.60

ACCRUALS THIS MONTH	LINE ITEM	OBLIGATION WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FEDERAL	0001	1C94LF	0.00	111,600.00	111,600.00
NON-FED	0002	KF4KF0	0.00	8,400.00	8,400.00
	TOTAL		0.00	120,000.00	120,000.00

PROJECT STATUS/MAJOR ISSUES:

Contract is incrementally funded.

- The Contractor is required to complete the flood control work within the first 500 days of the project (Sept. 24, 2010).
- The Contractor has submitted a project schedule and the key initial submittals have been approved. The Contractor has started work on the site with surveying.
- The Contractor has brought a field trailer on site for a project office and also mobilized some equipment to the site.
- P00002 - a modification providing an additional $3,200,000 funding.

Construction Progress Report
Thru End of September
2009

				TS-C-S
CONTRACT NO.:	W912P6-09-C-0013	CONTRACT TYPE:	Construction	D. Anderson
CONTRACTOR:	Walsh Construction Company			Paredes/Edd
DESCRIPTION:	LCR, Local Flood Protection, Stage VIII - Floodwall and Levee			Babcock

ORIGINAL CONTRACT AWARD DATE/AMOUNT:		26-Jun-09	12,955,886.79
NTP DATE./CURRENT CONTRACT AMOUNT: Mods	NONE	27-Jul-09	12,955,886.79
ORIGINAL CONTRACT COMPLETION DATE/ORIGINAL DURATION:		27-Jun-11	700
REVISED CONTRACT COMPLETION DATE/REVISED DURATION:		27-Jun-11	700
PENDING SCHEDULED COMPLETION DATE/PENDING TIME EXTENSIONS:		27-Jun-11	0
AREA ENGINEER'S ESTIMATED SUBSTANTIAL COMPLETION DATE:		1-Sep-11	

ESTIMATED PROGRESS

A. Present Earnings as of Pay Est. No.	N/A	0.00
B. Estimated Earnings thru end of reporting period	(est. work in place)	300,000.00
C. Value of work Performed on Directed Mods (Earnings not paid for)		0.00
TOTAL ESTIMATED PROGRESS (A+B+C)		300,000.00

TOTAL ESTIMATED FINAL CONTRACT AMOUNT

D. Current Contract Amount thru Mod.	NONE	12,955,886.79
E. Current Value of Overruns/Underruns (+/-)	(over strip/impervioius)	0.00
F. Directed, Pending Modifications (see comments below for descr.)		0.00
TOTAL ESTIMATED FINAL CONTRACT AMOUNT (D+E+F)		12,955,886.79

FUNDS OBLIGATED FOR PAYMENT: thru Modification	NONE	2,000,000.00
ACTUAL PERCENT COMPLETE (A+B+C)/(D+E+F)		2.32%
SCHEDULED PERCENT COMPLETE (per NAS or Progress Chart)		0.00%
TOTAL EARNINGS AT THE END OF FY08		0.00

Earnings		Funds Available	Earnings		Funds Available	Earnings		Funds Available
0.00	Oct	2,000,000.00	0.00	Feb	2,000,000.00	0.00	Jun	2,000,000.00
0.00	Nov	2,000,000.00	0.00	Mar	2,000,000.00	0.00	Jul	2,000,000.00
0.00	Dec	2,000,000.00	0.00	Apr	2,000,000.00	0.00	Aug	2,000,000.00
0.00	Jan	2,000,000.00	0.00	May	2,000,000.00	300,000.00	Sep	1,700,000.00

G. Current Projection of Total Fiscal Year Earnings	300,000.00
H. Initial Projection of Fiscal Year Earnings (From First Progress Report This FY)	0.00
I. Amount Ahead of Initial Earnings Projection (Negative Indicates Behind) (G-H)	300,000.00

ACCRUALS THIS MONTH	LINE ITEM	OBLIGATION WORK ITEM	CURRENT ACCRUAL	THIS MONTH ACCRUAL	TOTAL ACCRUAL
FEDERAL	0001	1C94LF	116,250.00	162,750.00	279,000.00
NON-FED	0002	KF4KF0	8,750.00	12,250.00	21,000.00
	TOTAL		125,000.00	175,000.00	300,000.00

PROJECT STATUS/MAJOR ISSUES:

Contract is incrementally funded.

- The Contractor is required to complete the flood control work by Dec. 9, 2010 and is required to complete the remainder of the project by June 27, 2011.
- The Pre-Construction meeting was held on August 5, 2009.
- NTP was issued 07/22/09 and acknowledged by the Contractor on 07/27/09.
- Contractor working on pre-construction submittals and various material shop drawings.

SOUTMOOR OPTION NEEDS TO BE AWARDED BY 10/24/09, 120 DAYS AFTER CONTRACT AWARD

Flood Damage Reduction Segment / System Inspection Report

US Army Corps of Engineers®

Name of Segment / System: Hammond - Forest Ave Levee

Public Sponsor(s): Little Calumet River Basin Development Commission

Public Sponsor Representative: Jim Pokrajac

Sponsor Phone:

Sponsor Email:

Corps of Engineers Inspector: Chicago District Team (see sign-in sheet) Date of Inspection: 9/21/2009

Inspection Report Prepared By: Zohaib Ahmed Date Report Prepared: 9/22/2009

Internal Technical Review (for Periodic Inspections) By: William A. Rochford, PE, LSPM Date of ITR: 10/1/2009

Final Approved By: Joseph J. Schmidt, PE, Levee Safety Officer Date Approved: 10/31/2009

Type of Inspection:

- ☐ **Initial Eligibility Inspection**
- ☒ **Continuing Eligibility Inspection (Routine)**
- ☐ **Continuing Eligibility Inspection (Periodic)**

Overall Segment / System Rating:

- ☐ **Acceptable**
- ☐ **Minimally Acceptable**
- ☒ **Unacceptable**

Contents of Report:

- ☒ **Instructions**
- ☐ **Initial Eligibility Inspection**
- ☒ **General Items for All Flood Control Works**
- ☒ **Levee Embankment**
- ☐ **Concrete Floodwalls**
- ☒ **Sheet Pile and Concrete I-walls**
- ☒ **Interior Drainage System**
- ☒ **Pump Stations**
- ☐ **FDR System Channels**

Note: In addition to the report contents indicated here, a plan view drawing of the system, with stationing, should be included with this report to reference locations of items rated less than acceptable. Photos of general system condition and any noted deficiencies should also be attached.

Note: This inspection rating represents the Corps evaluation of operations and maintenance of the flood damage reduction system and may be used in conjunction with other information for a levee certification determination for National Flood Insurance Program (NFIP) purposes if applicable. An Acceptable Corps inspection rating, alone, does not equate to a certifiable levee for the NFIP. It is recommended for levee systems currently accredited by the Federal Emergency Management Agency (FEMA) for NFIP purposes receiving a Corps Minimally Acceptable or Unacceptable rating be evaluated by the levee owner to determine the potential impacts to the certification for FEMA.

General Instructions for the Inspection of Flood Damage Reduction Segments / Systems

A. Purpose of USACE Inspections:

The primary purpose of these inspections is to prevent loss of life and catastrophic damages; preserve the value of Federal investments, and to encourage non-Federal sponsors to bear responsibility for their own protection. Inspections should assure that Flood Damage Reduction structures and facilities are continually maintained and operated as necessary to obtain the maximum benefits. Inspections are also conducted to determine eligibility for Rehabilitation Assistance under authority of PL 84-99 for Federal and non-Federal systems. (ER 1130-2-530, ER 500-1-1)

B. Types of Inspections:

The Corps conducts several types of inspections of Flood Damage Reduction systems, as outlined below:

Initial Eligibility Inspections	Continuing Eligibility Inspections	
	Routine Inspections	**Periodic Inspections**
IEIs are conducted to determine whether a non-Federally constructed Flood Damage Reduction system meets the minimum criteria and standards set forth by the Corps for initial inclusion into the Rehabilitation and Inspection Program.	RIs are intended to verify proper maintenance, owner preparedness, and component operation.	PIs are intended to verify proper maintenance and component operation and to evaluate operational adequacy, structural stability, and safety of the system. Periodic Inspections evaluate the system's original design criteria vs. current design criteria to determine potential performance impacts, evaluate the current conditions, and compare the design loads and design analysis used against current design standards. This is to be done to identify components and features for the sponsor that need to be monitored more closely over time or corrected as needed. (Periodic Inspections are used as the basis of risk assessments.)

C. Inspection Boundaries:

Inspections should be conducted so as to rate each Flood Damage Reduction "Segment" of the system. The overall system rating will be the lowest segment rating in the system.

Project	System	Segment
A flood damage reduction project is made up of one or more flood damage reduction systems which were under the same authorization.	A flood damage reduction system is made up of one or more flood damage reduction segments which collectively provide flood damage reduction to a defined area. Failure of one segment within a system constitutes failure of the entire system. Failure of one system does not affect another system.	A flood damage reduction segment is defined as a discrete portion of a flood damage reduction system that is operated and maintained by a single entity. A flood damage reduction segment can be made up of one or more features (levee, floodwall, pump stations, etc).

D. Land Use Definitions:

The following three definitions are intended for use in determining minimum required inspection intervals and initial requirements for inclusion into the Rehabilitation and Inspection Program. Inspections should be considered for all systems that would result in significant environmental or economic impact upon failure regardless of specific land use.

Agricultural	Rural	Urban
Protected population in the range of zero to 5 households per square mile protected.	Protected population in the range of 6 to 20 households per square mile protected.	Greater than 20 households per square mile; major industrial areas with significant infrastructure investment. Some protected urban areas have no permanent population but may be industrial areas with high value infrastructure with no overnight population.

E. Use of the Inspection Report Template:

The report template is intended for use in all Army Corps of Engineers inspections of levee and floodwall systems and flood damage reduction channels. The section of the template labeled "Initial Eligibility" only needs to be completed during Initial Eligibility Inspections of Non-Federally constructed Flood Damage Reduction Systems. The section labeled "General Items" needs to be completed with every inspection, along with all other sections that correspond to features in the system. The section labeled "Public Sponsor Pre-Inspection Report" is intended for completion before the inspection, if possible.

F. Individual Item / Component Ratings:

Assessment of individual components rated during the inspection should be based on the criteria provided in the inspection report template, though inspectors may incorporate additional items into the report based on the characteristics of the system. The assessment of individual components should be based on the following definitions.

Acceptable Item	Minimally Acceptable Item	Unacceptable Item
The inspected item is in satisfactory condition, with no deficiencies, and will function as intended during the next flood event.	The inspected item has one or more minor deficiencies that need to be corrected. The minor deficiency or deficiencies will not seriously impair the functioning of the item as intended during the next flood event.	The inspected item has one or more serious deficiencies that need to be corrected. The serious deficiency or deficiencies will seriously impair the functioning of the item as intended during the next flood event.

G. Overall Segment / System Ratings:

Determination of the overall system rating is based on the definitions below. Note that an Unacceptable System Rating may be either based on an engineering determination that concluded that noted deficiencies would prevent the system from functioning as intended during the next flood event, or based on the sponsor's demonstrated lack of commitment or inability to correct serious deficiencies in a timely manner.

Acceptable System	Minimally Acceptable System	Unacceptable System
All items or components are rated as Acceptable.	One or more items are rated as Minimally Acceptable or one or more items are rated as Unacceptable and an engineering determination concludes that the Unacceptable items would not prevent the segment / system from performing as intended during the next flood event.	One or more items are rated as Unacceptable and would prevent the segment / system from performing as intended, or a serious deficiency noted in past inspections (which had previously resulted in a minimally acceptable system rating) has not been corrected within the established timeframe, not to exceed two years.

H. Eligibility for PL84-99 Rehabilitation Assistance:

Inspected systems that are not operated and maintained by the Federal government may be Active in the Corps' Rehabilitation and Inspection Program (RIP) and eligible for rehabilitation assistance from the Corps as defined below:

If the Overall System Rating is Acceptable	If the Overall System Rating is Minimally Acceptable	If the Overall System Rating is Unacceptable
The system is active in the RIP and eligible for PL84-99 rehabilitation assistance.	The system is Active in the RIP during the time that it takes to make needed corrections. Active systems are eligible for rehabilitation assistance. However, if the sponsor does not present USACE with proof that serious deficiencies (which had previously resulted in a minimally acceptable system rating) were corrected within the established timeframe, then the system will become Inactive in the RIP.	The system is Inactive in the RIP, and the status will remain Inactive until the sponsor presents USACE with proof that all items rated Unacceptable have been corrected. Inactive systems are ineligible for rehabilitation assistance.

I. **Reporting:**

After the inspection, the Corps is responsible for assembling an inspection report (or a summary report if it was a Periodic Inspection) including the following information:

a. All sections of the report template used during the inspection, including the cover and pre-inspection materials. (Supplemental data collected, and any sections of the template that weren't used during the inspection do not need to be included with the report.)

b. Photos of the general system condition and noted deficiencies.

c. A plan view drawing of the system, with stationing, to reference locations of items rated less than acceptable.

d. The relative importance of the identified maintenance issues should be specified in the transmittal letter.

e. If the Overall System Rating is Minimally Acceptable, the report needs to establish a timeframe for correction of serious deficiencies noted (not to exceed two years) and indicate that if these items are not corrected within the required timeframe, the system will be rated as Unacceptable and made Inactive in the Rehabilitation Inspection Program.

J. **Notification:**

Reports are to be disseminated as follows within 30 days of the inspection date.

If the Overall System Rating is Acceptable	If the Overall System Rating is Minimally Acceptable	If the Overall System Rating is Unacceptable
Reports need to be provided to the local sponsor and the county emergency management agency.	Reports need to be provided to the local sponsor, state emergency management agency, county emergency management agency, and to the FEMA region.	Reports need to be provided to the local sponsor, state emergency management agency, county emergency management agency, FEMA region, and to the Congressional delegation within 30 days of the inspection.

General Items for All Flood Damage Reduction Segments / Systems

For use during all inspections of all Flood Damage Reduction Segments / Systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
1. Operations and Maintenance Manuals	M	A	Levee Owner's Manual, O&M Manuals, and/or manufacturer's operating instructions are present.	An O&M Manual does not exist for this Levee Segment. The Local Sponsor indicated that this segment will be incorporated into the Hammond Levee O&M Manual.
		M	Sponsor manuals are lost or missing or out of date; however, sponsor will obtain manuals prior to next scheduled inspection.	
		U	Sponsor has not obtained lost or missing manuals identified during previous inspection.	
2. Emergency Supplies and Equipment (A or M only)	M	A	The sponsor maintains a stockpile of sandbags, shovels, and other flood fight supplies which will adequately supply all needs for the initial days of a flood fight. Sponsor determines required quantity of supplies after consulting with inspector.	The Little Cal Commission does not have any emergency supplies or equipment to utilize in the event of a flood. They rely on the resources of the City of Hammond, but there is no formal agreement in place. The City did provide these resources during the Sep 2008 flood event.
		M	The sponsor does not maintain an adequate supply of flood fighting materials as part of their preparedness activities.	
3. Flood Preparedness and Training (A or M only)	M	A	Sponsor has a written system-specific flood response plan and a solid understanding of how to operate, maintain, and staff the FDR system during a flood. Sponsor maintains a list of emergency contact information for appropriate personnel and other emergency response agencies.	The Sponsor has a good knowledge of the flood response activities. The Flood Warning Plan is out of date and not well understood by the community. The Local Sponsor needs to provide notification to the residents and businesses in the protected area about the limitations of the levee and emergency measures.
		M	The sponsor maintains a good working knowledge of flood response activities, but documentation of system-specific emergency procedures and emergency contact personnel is insufficient or out of date.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Levee Embankments

For use during Initial and Continuing Eligibility Inspections of levee segments / systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
1. Unwanted Vegetation Growth[1]	U	A	The levee has little or no unwanted vegetation (trees, bush, or undesirable weeds), except for vegetation that is properly contained and/or situated on overbuilt sections, such that the mandatory 3-foot root-free zone is preserved around the levee profile. The levee has been recently mowed. The vegetation-free zone extends 15 feet from both the landside and riverside toes of the levee to the centerline of the tree. If the levee access easement doesn't extend to the described limits, then the vegetation-free zone must be maintained to the easement limits. Reference EM 1110-2-301 or Corps policy for regional vegetation variance.	Pt_0004: Excessive vegetation along both sides of entire south leg of levee. Numerous trees fallen across levee: Extensive clearing and grubbing required (U) Pt_0007: Several ornamental trees and bushes on level between Pump Station and Hohman Ave.: Remove trees and bushes In levee . Photo 1 (U) Pt_0011: Tree growing at edge of spillway on levee.: Remove tree. (M) Pt_0013: Extensive growth on levee. Mature trees and dense thickets.: Extensive clearing and grubbing required. Photo 4 (U) Pt_0018: Trees on levee crest and riverside slope.: Clear and grub trees. (U) The entire length of the levee had significant weeks, brush, and trees greater than 2-inches on top and on both sides of the levee. Photos 1, 4 and 7.
		M	Minimal vegetation growth (brush, weeds, or trees 2 inches in diameter or smaller) is present within the zones described above. This vegetation must be removed but does not currently threaten the operation or integrity of the levee.	
		U	Significant vegetation growth (brush, weeds, or any trees greater than 2 inches in diameter) is present within the zones described above and must to be removed to reestablish or ascertain levee integrity.	
2. Sod Cover	U	A	There is good coverage of sod over the levee.	Overgrown areas along the south section of the levee and areas along the river are heavily shaded, that prevents the establishment of suitable sod cover.
		M	Approximately 25% of the sod cover is missing or damaged over a significant portion or over significant portions of the levee embankment. This may be the result of over-grazing or feeding on the levee, unauthorized vehicular traffic, chemical or insect problems, or burning during inappropriate seasons.	
		U	Over 50% of the sod cover is missing or damaged over a significant portion or portions of the levee embankment.	
		N/A	Surface protection is provided by other means.	
3. Encroachments	U	A	No trash, debris, unauthorized farming activity, structures, excavations, or other obstructions present within the easement area. Encroachments have been previously reviewed by the Corps, and it was determined that they do not diminish proper functioning of the levee.	Pt_0001: Trees on top of Embankment.: Remove trees. Photos 1 and 2 (U) Pt_0005: Fence on levee.; Remove fence: Photo 7 (M) Pt_0015: Wooden fence encroaching on levee.: Remove fence. (U) Pt_0016: Fence along lever crest and across levee at property boundary. Prohibits access.: Remove fence. Photo 8
		M	Trash, debris, unauthorized farming activity, structures, excavations, or other obstructions present, or inappropriate activities noted that should be corrected but will not inhibit operations and maintenance or emergency operations. Encroachments have not been reviewed by the Corps.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Levee Embankments

For use during Initial and Continuing Eligibility Inspections of levee segments / systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
		U	Unauthorized encroachments or inappropriate activities noted are likely to inhibit operations and maintenance, emergency operations, or negatively impact the integrity of the levee.	(U) Pt_0019: Lawn sprinkler system on levee.: Remove sprinkler system and educate residents about levee safety. Photo 9 (U) Pt_0023: Lawn sprinkler system on levee: Remove sprinkler system and educate adjacent property owners about levee safety. Photo 10 (U) Pt_0024: Fence on levee. preventing easy access.: Remove fence. Photo 19 (U) Levee has numerous encroachments, ranging from ornamental trees and bushes, fences, stairs, and sprinklers. These encroachments will need to be removed and the adjacent property owners advised about levee safety. Encroachments to be considered to remain will need to be reviewed and approved by the Corps.
4. Closure Structures (Stop Log, Earthen Closures, Gates, or Sandbag Closures) (A or U only)	NA	A	Closure structure in good repair. Placing equipment, stoplogs, and other materials are readily available at all times. Components are clearly marked and installation instructions/ procedures readily available. Trial erections have been accomplished in accordance with the O&M Manual.	
		U	Any of the following issues is cause for this rating: Closure structure in poor condition. Parts missing or corroded. Placing equipment may not be available within the anticipated warning time. The storage vaults cannot be opened during the time of inspection. Components of closure are not clearly marked and installation instructions/ procedures are not readily available. Trial erections have not been accomplished in accordance with the O&M Manual.	
		N/A	There are no closure structures along this component of the FDR segment / system.	
5. Slope Stability	M	A	No slides, sloughs, tension cracking, slope depressions, or bulges are present.	Pt_0025: Levee slope very steep. No instability observed on landside however riverside stability questionable.: Evaluate levee stability. Photo 11 (M)
		M	Minor slope stability problems that do not pose an immediate threat to the levee embankment.	
		U	Major slope stability problems (ex. deep seated sliding) identified that must be repaired to reestablish the integrity of the levee embankment.	
6. Erosion/ Bank Caving	U	A	No erosion or bank caving is observed on the landward or riverward sides of the levee that might endanger its stability.	No significant erosion or caving was noted following Sep 2008 flood. However, erosion control likely due to root establishment of trees and vines which will need to be removed. Pt_0010: Scour next to the spillway at the Hohman Pump Station. Photo 23 (U)
		M	There are areas where minor erosion is occurring or has occurred on or near the levee embankment, but levee integrity is not threatened.	
		U	Erosion or caving is occurring or has occurred that threatens the stability and integrity of the levee. The erosion or caving has progressed into the levee section or into the extended footprint of the levee foundation and has compromised the levee foundation stability.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Levee Embankments

For use during Initial and Continuing Eligibility Inspections of levee segments / systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
7. Settlement[2]	A	A	No observed depressions in crown. Records exist and indicate no unexplained historical changes.	No settlement issues noted. Levee crest appears stable after approximately 25 years of service.
		M	Minor irregularities that do not threaten integrity of levee. Records are incomplete or inclusive.	
		U	Obvious variations in elevation over significant reaches. No records exist or records indicate that design elevation is compromised.	
8. Depressions/ Rutting	A	A	There are scattered, shallow ruts, pot holes, or other depressions on the levee that are unrelated to levee settlement. The levee crown, embankments, and access road crowns are well established and drain properly without any ponded water.	Pt_0002: A low area was noted between the Pump Station and Hohman Ave. Levee tie-back extends north.; Photo 12 (A) Pt_0011: A low point was noted on the levee crest where a culvert near the pump station. Levee crest should be surveyed to verify adequate height. Photo 3 (A)
		M	There are some infrequent minor depressions less than 6 inches deep in the levee crown, embankment, or access roads that will pond water.	
		U	There are depressions greater than 6 inches deep that will pond water.	
9. Cracking	A	A	Minor longitudinal, transverse, or desiccation cracks with no vertical movement along the crack. No cracks extend continuously through the levee crest.	
		M	Longitudinal and/or transverse cracks up to 6 inches in depth with no vertical movement along the crack. No cracks extend continuously through the levee crest. Longitudinal cracks are no longer than the height of the levee.	
		U	Cracks exceed 6 inches in depth. Longitudinal cracks are longer than the height of the levee and/or exhibit vertical movement along the crack. Transverse cracks extend through the entire levee width.	
10. Animal Control	U	A	Continuous animal burrow control program in place that includes the elimination of active burrowing and the filling in of existing burrows.	Pt_0003: Burrows near Pump Station; Fill holes and improve animal control.; Photo 13 (M) Pt_0006: Several animal burrows noted near Pump Station: Fill holes and improve animal control measures.: Photo 13 (M) Pt_0014: Numerous animal burrows throughout south section of levee. Unable to determine full extent due to heavy vegetation.: Repair animal burrows after clearing vegetation.: Photo 14 (U)
		M	The existing animal burrow control program needs to be improved. Several burrows are present which may lead to seepage or slope stability problems, and they require immediate attention.	
		U	Animal burrow control program is not effective or is nonexistent. Significant maintenance is required to fill existing burrows, and the levee will not provide reliable flood protection until this maintenance is complete.	
11. Culverts/ Discharge Pipes[3] (This item includes both concrete and corrugated metal pipes.)	U	A	There are no breaks, holes, cracks in the discharge pipes/ culverts that would result in significant water leakage. The pipe shape is still essentially circular. All joints appear to be closed and the soil tight. Corrugated metal pipes, if present, are in good condition with 100% of the original coating still in place (either asphalt or galvanizing) or have been relined with appropriate material, which is still in good condition. Condition of pipes has been verified using television camera video taping or visual inspection methods within the past five years, and the report for every pipe is available for review by the inspector.	Pt_0010, Photo 21 Pt_0017, Photo 22 Pt_0024, Photo 18 Pt_0021. Four culverts are believed to penetrate the levee. No video camera survey was available to verify condition of pipes.

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Levee Embankments

For use during Initial and Continuing Eligibility Inspections of levee segments / systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
		M	There are a small number of corrosion pinholes or cracks that could leak water and need to be repaired, but the entire length of pipe is still structurally sound and is not in danger of collapsing. Pipe shape may be ovalized in some locations but does not appear to be approaching a curvature reversal. A limited number of joints may have opened and soil loss may be beginning. Any open joints should be repaired prior to the next inspection. Corrugated metal pipes, if present, may be showing corrosion and pinholes but there are no areas with total section loss. Condition of pipes has been verified using television camera video taping or visual inspection methods within the past five years, and the report for every pipe is available for review by the inspector.	
		U	Culvert has deterioration and/or has significant leakage; it is in danger of collapsing or as already begun to collapse. Corrugated metal pipes have suffered 100% section loss in the invert. HOWEVER: Even if pipes appear to be in good condition as judged by an external visual inspection, an Unacceptable Rating will be assigned if the condition of pipes has not been verified using television camera video taping or visual inspection methods within the past five years, and reports for all pipes are not available for review by the inspector.	
		N/A	There are no discharge pipes/ culverts.	
12. Riprap Revetments & Bank Protection	U	A	No riprap displacement or stone degradation that could pose an immediate threat to the integrity of channel bank. Riprap intact with no woody vegetation present.	Pt_0010; Significant scour by the pump station outlet. Replace riprap. Photo 23 (U)
		M	Minor riprap displacement or stone degradation that could pose an immediate threat to the integrity of the channel bank. Unwanted vegetation must be cleared or sprayed with an appropriate herbicide.	
		U	Significant riprap displacement, exposure of bedding, or stone degradation observed. Scour activity is undercutting banks, eroding embankments, or impairing channel flows by causing turbulence or shoaling. Rock protection is hidden by dense brush, trees, or grasses.	
		N/A	There is no riprap protecting this feature of the segment / system, or riprap is discussed in another section.	
13. Revetments other than Riprap	NA	A	Existing revetment protection is properly maintained, undamaged, and clearly visible.	
		M	Minor revetment displacement or deterioration that does not pose an immediate threat to the integrity of the levee. Unwanted vegetation must be cleared or sprayed with an appropriate herbicide.	
		U	Significant revetment displacement, deterioration, or exposure of bedding observed. Scour activity is undercutting banks, eroding embankments, or impairing channel flows by causing turbulence or shoaling. Revetment protection is hidden by dense brush and trees.	
		N/A	There are no such revetments protecting this feature of the segment / system.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Levee Embankments

For use during Initial and Continuing Eligibility Inspections of levee segments / systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
14. Underseepage Relief Wells/ Toe Drainage Systems	NA	A	Toe drainage systems and pressure relief wells necessary for maintaining FDR segment / system stability during high water functioned properly during the last flood event and no sediment is observed in horizontal system (if applicable). Nothing is observed which would indicate that the drainage systems won't function properly during the next flood, and maintenance records indicate regular cleaning. Wells have been pumped tested within the past 5 years and documentation is provided.	
		M	Toe drainage systems or pressure relief wells are damaged and may become clogged if they are not repaired. Maintenance records are incomplete or indicate irregular cleaning and pump testing.	
		U	Toe drainage systems or pressure relief wells necessary for maintaining FDR segment / system stability during flood events have fallen into disrepair or have become clogged. No maintenance records. No documentation of the required pump testing.	
		N/A	There are no relief wells/ toe drainage systems along this component of the FDR segment / system.	
15. Seepage	A	A	No evidence or history of unrepaired seepage, saturated areas, or boils.	
		M	Evidence or history of minor unrepaired seepage or small saturated areas at or beyond the landside toe but not on the landward slope of levee. No evidence of soil transport.	
		U	Evidence or history of active seepage, extensive saturated areas, or boils.	

[1] If there is significant growth on the levee that inhibits the inspection of animal burrows or other items, the inspection should be ended until this item is corrected.
[2] Detailed survey elevations are normally required during Periodic Inspections and whenever there are obvious visual settlements.
[3] The decision on whether or not USACE inspectors should enter a pipe to perform a detailed inspection must be made at the USACE District level. This decision should be made in conjunction with the District Safety Office, as pipes may be considered confined spaces. This decision should consider the age of the pipe, the diameter of the pipe, the apparent condition of the pipe, and the length of the pipe. If a pipe is entered for the purposes of inspection, the inspector should record observations with a video camera in order that the condition of the entire pipe, including all joints, can later be assessed. Additionally, the video record provides a baseline to which future inspections can be compared.

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Floodwalls

For use during Initial and Continuing Eligibility Inspections of all floodwalls

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
1. Unwanted Vegetation Growth[1]	U	A	A grass-only or paved zone is maintained on both sides of the floodwall, free of all trees, brush, and undesirable weeds. The vegetation-free zone extends 15 feet from both the land and riverside of the floodwall, at ground-level, to the centerline of the tree. Additionally, an 8-foot root-free zone is maintained around the entire structure, including the floodwall toe, heel, and any toe-drains. If the floodwall access easement doesn't extend to the described limits, then the vegetation-free zone must be maintained to the easement limits. Reference EM 1110-2-301 and/or Corps policy for regional vegetation variance.	Significant vegetation on the riverside of sheet pile wall throughout. Several locations with trees on crest and toe of floodwall. Pt_0015, Photo 7 Pt_00, Photo 15 Pt_00, Photo 16
		M	Minimal vegetation growth (brush, weeds, or trees 2 inches in diameter or smaller) is present within the zones described above. This vegetation must be removed but does not currently threaten the operation or integrity of the floodwall.	
		U	Significant vegetation growth (brush, weeds, or any trees greater than 2 inches in diameter) is present within the zones described above. This vegetation threatens the operation or integrity of the floodwall and must be removed.	
2. Encroachments	U	A	No trash, debris, unauthorized structures, excavations, or other obstructions present within the easement area. Encroachments have been previously reviewed by the Corps, and it was determined that they do not diminish proper functioning of the floodwall.	Pt_0015: Fence on floodwall; Remove fence. Photo 7 Pt_0018; Fence on floodwall; Remove fence. Photo 15 Pt_0016; Fence on floodwall; Remove fence. Photo 16
		M	Trash, debris, unauthorized structures, excavations, or other obstructions present, or inappropriate activities noted that should be corrected but will not inhibit operations and maintenance or emergency operations. Encroachments have not been reviewed by the Corps.	
		U	Unauthorized encroachments or inappropriate activities noted are likely to inhibit operations and maintenance, emergency operations, or negatively impact the integrity of the floodwall.	
3. Closure Structures (Stop Log Closures and Gates) (A or U only)	NA	A	Closure structure in good repair. Placing equipment, stoplogs, and other materials are readily available at all times. Components are clearly marked and installation instructions/ procedures readily available. Trial erections have been accomplished in accordance with the O&M Manual.	
		U	Any of the following issues is cause for this rating: Closure structure in poor condition. Parts missing or corroded. Placing equipment may not be available within the anticipated warning time. The storage vaults cannot be opened during the time of inspection. Components of closure are not clearly marked and installation instructions/ procedures are not readily available. Trial erections have not been accomplished in accordance with the O&M Manual.	
		N/A	There are no closure structures along this component of the FDR segment / system.	
4. Concrete Surfaces		A	Negligible spalling, scaling or cracking. If the concrete surface is weathered or holds moisture, it is still satisfactory but should be seal coated to prevent freeze/ thaw damage.	
		M	Spalling, scaling, and open cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel may be exposed. Repairs/ sealing is necessary to prevent additional damage during periods of thawing and freezing.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Floodwalls

For use during Initial and Continuing Eligibility Inspections of all floodwalls

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
		U	Surface deterioration or deep cracks present that may result in an unreliable structure. Any surface deterioration that exposes the sheet piling or lies adjacent to monolith joints may indicate underlying reinforcement corrosion and is unacceptable.	
5. Tilting, Sliding or Settlement of Concrete Structures[2]	A	A	There are no significant areas of tilting, sliding, or settlement that would endanger the integrity of the structure.	Condition of sheetpile wall appears good. No observed movement.
		M	There are areas of tilting, sliding, or settlement (either active or inactive) that need to be repaired. The maximum offset, either laterally or vertically, does not exceed 2 inches unless the movement can be shown to be no longer actively occurring. The integrity of the structure is not in danger.	
		U	There are areas of tilting, sliding, or settlement (either active or inactive) that threaten the structure's integrity and performance. Any movement that has resulted in failure of the waterstop (possibly identified by daylight visible through the joint) is unacceptable. Differential movement of greater than 2 inches between any two adjacent monoliths, either laterally or vertically, is unacceptable unless it can be shown that the movement is no longer active. Also, if the floodwall is of I-wall construction, then any visible or measurable tilting of the wall toward the protected side that has created an open horizontal crack on the riverside base of a monolith is unacceptable.	
6. Foundation of Concrete Structures[1]		A	No active erosion, scouring, or bank caving that might endanger the structure's stability.	
		M	There are areas where the ground is eroding towards the base of the structure. Efforts need to be taken to slow and repair this erosion, but it is not judged to be close enough to the structure or to be progressing rapidly enough to affect structural stability before the next inspection. For the purposes of inspection, the erosion or scour is not closer to the riverside face of the wall than twice the floodwall's underground base width if the wall is of L-wall or T-wall construction; or if the wall is of sheetpile or I-wall construction, the erosion is not closer than twice the wall's visible height. Additionally, rate of erosion is such that the wall is expected to remain stabile until the next inspection.	
		U	Erosion or bank caving observed that is closer to the wall than the limits described above, or is outside these limits but may lead to structural instabilities before the next inspection. Additionally, if the floodwall is of I-wall or sheetpile construction, the foundation is unacceptable if any turf, soil or pavement material got washed away from the landside of the I-wall as the result of a previous overtopping event.	
7. Monolith Joints	NA	A	The joint material is in good condition. The exterior joint sealant is intact and cracking/ desiccation is minimal. Joint filler material and/or waterstop is not visible at any point.	
		M	The joint material has appreciable deterioration to the point where joint filler material and/or waterstop is visible in some locations. This needs to be repaired or replaced to prevent spalling and cracking during freeze/ thaw cycles, and to ensure water tightness of the joint.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Floodwalls

For use during Initial and Continuing Eligibility Inspections of all floodwalls

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
		U	The joint material is severely deteriorated or the concrete adjacent to the monolith joints has spalled and cracked, damaging the waterstop; in either case damage has occurred to the point where it is apparent that the joint is no longer watertight and will not provide the intended level of protection during a flood.	
		N/A	There are no monolith joints in the floodwall.	
8. Underseepage Relief Wells/ Toe Drainage Systems	NA	A	Toe drainage systems and pressure relief wells necessary for maintaining FDR segment / system stability during high water functioned properly during the last flood event and no sediment is observed in horizontal system (if applicable). Nothing is observed which would indicate that the drainage systems won't function properly during the next flood, and maintenance records indicate regular cleaning. Wells have been pumped tested within the past 5 years and documentation is provided.	
		M	Toe drainage systems or pressure relief wells are damaged and may become clogged if they are not repaired. Maintenance records are incomplete or indicate irregular cleaning and pump testing.	
		U	Toe drainage systems or pressure relief wells necessary for maintaining FDR segment / system stability during flood events have fallen into disrepair or have become clogged. No maintenance records. No documentation of the required pump testing.	
		N/A	There are no relief wells/ toe drainage systems along this component of the FDR segment / system.	
9. Seepage	A	A	No evidence or history of unrepaired seepage, saturated areas, or boils.	No seepage issues noted through floodwall during Sep 2008 flood.
		M	Evidence or history of minor unrepaired seepage or small saturated areas at or beyond the landside toe but not on the landward slope of levee. No evidence of soil transport.	
		U	Evidence or history of active seepage, extensive saturated areas, or boils.	

[1] Inspectors must have as-built drawings available during the inspection so that the lateral distance to the heel and toe of the floodwalls can be determined in the field.
[2] The sponsor should be monitoring any observed movement to verify whether the movement is active or inactive.

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Interior Drainage System

For use during Initial and Continuing Eligibility Inspections of interior drainage systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
1. Vegetation and Obstructions	M	A	No obstructions, vegetation, debris, or sediment accumulation noted within interior drainage channels or blocking the culverts, inlets, or discharge areas. Concrete joints and weep holes are free of grass and weeds.	Large trees and vegetation in interior drainage channel. Photo 17 (M)
		M	Obstructions, vegetation, debris, or sediment are minor and have not impaired channel flow capacity or blocked more than 10% of any culvert openings, but should be removed. A limited volume of grass and weeds may be present in concrete channel joints and weep holes.	
		U	Obstructions, vegetation, debris, or sediment have impaired the channel flow capacity or blocked more than 10% of a culvert opening. Sediment and debris removal required to re-establish flow capacity.	
2. Encroachments	M	A	No trash, debris, unauthorized structures, excavations, or other obstructions present within the easement area. Encroachments have been previously reviewed by the Corps, and it was determined that they do not diminish proper functioning of the interior drainage system.	Pt_0025; Encroachments (pool, fence) on landside of levee near culvert inlet. Photo 18.
		M	Trash, debris, unauthorized structures, excavations, or other obstructions present, or inappropriate activities noted that should be corrected but will not inhibit operations and maintenance or emergency operations. Encroachments have not been reviewed by the Corps.	
		U	Unauthorized encroachments or inappropriate activities noted are likely to inhibit operations and maintenance, emergency operations, or negatively impact the integrity of this component of the interior drainage system.	
3. Ponding Areas	NA	A	No trash, debris, structures, or other obstructions present within the ponding areas. Sediment deposits do not exceed 10% of capacity.	
		M	Trash, debris, excavations, structures, or other obstructions present, or inappropriate activities that will not inhibit operations and maintenance. Sediment deposits do not exceed 30% of capacity.	
		U	Trash, debris, excavations, structures, or other obstructions, or other encroachments or activities noted that will inhibit operations, maintenance, or emergency work. Sediment deposits exceeds 30% of capacity.	
		N/A	There are no ponding areas associated with the interior drainage system.	
4. Fencing and Gates[1]	A	A	Fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	Pt_0009; Fence is good condition at pump station spillway; Photo 20 (A)
		M	Fencing or gates are damaged or corroded but appear to be maintainable. Locks may be missing or damaged.	
		U	Fencing and gates are damaged or corroded to the point that replacement is required, or potentially dangerous features are not secured.	
		N/A	There are no features noted that require safety fencing.	
5. Concrete Surfaces (Such as gate	U	A	Negligible spalling, scaling or cracking. If the concrete surface is weathered or holds moisture, it is still satisfactory but should be seal coated to prevent freeze/ thaw damage.	Pt_0009: Significant crack across concrete spillway. Some displacement noted.: Repair crack and ensure that slab is

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Interior Drainage System

For use during Initial and Continuing Eligibility Inspections of interior drainage systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
wells, outfalls, intakes, or culverts)		M	Spalling, scaling, and open cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel may be exposed. Repairs/ sealing is necessary to prevent additional damage during periods of thawing and freezing.	stable. Photo 20 (U)
		U	Surface deterioration or deep cracks present that may result in an unreliable structure. Any surface deterioration that exposes the sheet piling or lies adjacent to monolith joints may indicate underlying reinforcement corrosion and is unacceptable.	
		N/A	There are no concrete items in the interior drainage system.	
6. Tilting, Sliding or Settlement of Concrete and Sheet Pile Structures[2] (Such as gate wells, outfalls, intakes, or culverts)	U	A	There are no significant areas of tilting, sliding, or settlement that would endanger the integrity of the structure.	Pt_0009: Significant crack across concrete spillway. Some displacement noted.: Repair crack and ensure that slab is stable. Photo 20 (U)
		M	There are areas of tilting, sliding, or settlement (either active or inactive) that need to be repaired. The maximum offset, either laterally or vertically, does not exceed 2 inches unless the movement can be shown to be no longer actively occurring. The integrity of the structure is not in danger.	
		U	There are areas of tilting, sliding, or settlement (either active or inactive) that threaten the structure's integrity and performance. Any movement that has resulted in failure of the waterstop (possibly identified by daylight visible through the joint) is unacceptable. Differential movement of greater than 2 inches between any two adjacent monoliths, either laterally or vertically, is unacceptable unless it can be shown that the movement is no longer active. Also, if the floodwall is of I-wall construction, then any visible or measurable tilting of the wall toward the protected side that has created an open horizontal crack on the riverside base of a monolith is unacceptable.	
		N/A	There are no concrete items in the interior drainage system.	
7. Foundation of Concrete Structures[3] (Such as culverts, inlet and discharge structures, or gatewells.)	U	A	No active erosion, scouring, or bank caving that might endanger the structure's stability.	Pt_0009: Significant crack across concrete spillway. Some displacement noted.: Repair crack and ensure that slab is stable. Photo 20 (U)
		M	There are areas where the ground is eroding towards the base of the structure. Efforts need to be taken to slow and repair this erosion, but it is not judged to be close enough to the structure or to be progressing rapidly enough to affect structural stability before the next inspection. The rate of erosion is such that the structure is expected to remain stabile until the next inspection.	
		U	Erosion or bank caving observed that may lead to structural instabilities before the next inspection.	
		N/A	There are no concrete items in the interior drainage system.	
8. Monolith Joints		A	The joint material is in good condition. The exterior joint sealant is intact and cracking/ desiccation is minimal. Joint filler material and/or waterstop is not visible at any point.	
		M	The joint material has appreciable deterioration to the point where joint filler material and/or waterstop is visible in some locations. This needs to be repaired or replaced to prevent spalling and cracking during freeze/ thaw cycles, and to ensure water tightness of the joint.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Interior Drainage System

For use during Initial and Continuing Eligibility Inspections of interior drainage systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
		U	The joint material is severely deteriorated or the concrete adjacent to the monolith joints has spalled and cracked, damaging the waterstop; in either case damage has occurred to the point where it is apparent that the joint is no longer watertight and will not provide the intended level of protection during a flood.	
		N/A	There are no monolith joints in the interior drainage system.	
9. Culverts/ Discharge Pipes[4]	U	A	There are no breaks, holes, cracks in the discharge pipes/ culverts that would result in significant water leakage. The pipe shape is still essentially circular. All joints appear to be closed and the soil tight. Corrugated metal pipes, if present, are in good condition with 100% of the original coating still in place (either asphalt or galvanizing) or have been relined with appropriate material, which is still in good condition. Condition of pipes has been verified using television camera video taping or visual inspection methods within the past five years, and the report for every pipe is available for review by the inspector.	Pt_0012: Culvert outfall had no flap-gate or sluice gate.: Install sluice gate and flap gate. Photo 21 (U) Pt_0017: Manhole reported to have been leaking during 2008 flood. No sluice or other secondary closure on culvert.: Investigate culverts to determine drainage and install effective closures.Photo 22 (A)
		M	There are a small number of corrosion pinholes or cracks that could leak water and need to be repaired, but the entire length of pipe is still structurally sound and is not in danger of collapsing. Pipe shape may be ovalized in some locations but does not appear to be approaching a curvature reversal. A limited number of joints may have opened and soil loss may be beginning. Any open joints should be repaired prior to the next inspection. Corrugated metal pipes, if present, may be showing corrosion and pinholes but there are no areas with total section loss. Condition of pipes has been verified using television camera video taping or visual inspection methods within the past five years, and the report for every pipe is available for review by the inspector.	
		U	Culvert has deterioration and/or has significant leakage. It is in danger of collapsing or as already begun to collapse. Corrugated metal pipes have suffered 100% section loss in the invert. HOWEVER: Even if pipes appear to be in good condition, as judged by an external visual inspection, an Unacceptable Rating will be assigned if the condition of pipes has not been verified using television camera video taping or visual inspection methods within the past five years, and reports for all pipes are not available for review by the inspector.	
		N/A	There are no discharge pipes/ culverts.	
10. Sluice / Slide Gates[5]	U	A	Gates open and close freely to a tight seal or minor leakage. Gate operators are in good working condition and are properly maintained. Sill is free of sediment and other obstructions. Gates and lifters have been maintained and are free of corrosion. Documentation provided during the inspection.	Pt_0020: Culvert inlet with sluice gate not functional. Reported to leak extensively during 2008 flood.: Rehabilitate culvert and sluice gate. Check to ensure flap gate functional. (U) Pt_0022: Sluice gate reported to be inoperable. Caused interior flooding during 2008 flood.: Repair or rehabilitate sluice gate. Photo 18 (U)
		M	Gates and/or operators have been damaged or have minor corrosion, and open and close with resistance or binding. Leakage quantity is controllable, but maintenance is required. Sill is free of sediment and other obstructions.	
		U	Gates do not open or close and/or operators do not function. Gate, stem, lifter and/or guides may be damaged or have major corrosion.	
		N/A	There are no sluice/ slide gates.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Interior Drainage System

For use during Initial and Continuing Eligibility Inspections of interior drainage systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
11. Flap Gates/ Flap Valves/ Pinch Valves[1]	M	A	Gates/ valves open and close easily with minimal leakage, have no corrosion damage, and have been exercised and lubricated as required.	Pt_0021: Flap gate appeared acceptable but reported to leak significantly during 2008 flood.: Rehabilitate flap gate. (M)
		M	Gates/ valves will not fully open or close because of obstructions that can be easily removed, or have minor corrosion damage that requires maintenance.	
		U	Gates/ valves are missing, have been damaged, or have deteriorated to the point that they need to be replaced.	
		N/A	There are no flap gates.	
12. Trash Racks (non-mechanical)	NA	A	Trash racks are fastened in place and properly maintained.	
		M	Trash racks are in place but are unfastened or have bent bars that allow debris to enter into the pipe or pump station, bars are corroded to the point that up to 10% of the sectional area may be lost. Repair or replacement is required.	
		U	Trash racks are missing or damaged to the extent that they are no longer functional and must be replaced. (For example, more than 10% of the sectional area may be lost.)	
		N/A	There are no trash racks, or they are covered in the pump stations section of the report.	
13. Other Metallic Items	NA	A	All metal parts are protected from corrosion damage and show no rust, damage, or deterioration that would cause a safety concern.	
		M	Corrosion seen on metallic parts appears to be maintainable.	
		U	Metallic parts are severely corroded and require replacement to prevent failure, equipment damage, or safety issues.	
		N/A	There are no other significant metallic items.	
14. Riprap Revetments of Inlet/ Discharge Areas	U	A	No riprap displacement or stone degradation that could pose an immediate threat to the integrity of channel bank. Riprap intact with no woody vegetation present.	Pt_0010: Riprap displaced at end of pump station spillway. End of spillway being undercut. Erosion also progressing along west edge of spillway.: Replace eroded areas with riprap. Photo 23 (U)
		M	Minor riprap displacement or stone degradation that could pose an immediate threat to the integrity of the channel bank. Unwanted vegetation must be cleared or sprayed with an appropriate herbicide.	
		U	Significant riprap displacement, exposure of bedding, or stone degradation observed. Scour activity is undercutting banks, eroding embankments, or impairing channel flows by causing turbulence or shoaling. Rock protection is hidden by dense brush, trees, or grasses.	
		N/A	There is no riprap protecting this feature of the segment / system, or riprap is discussed in another section.	
15. Revetments other than Riprap	NA	A	No riprap displacement or stone degradation that could pose an immediate threat to the integrity of channel bank. Riprap intact with no woody vegetation present.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Interior Drainage System

For use during Initial and Continuing Eligibility Inspections of interior drainage systems

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
		M	Minor riprap displacement or stone degradation that could pose an immediate threat to the integrity of the channel bank. Unwanted vegetation must be cleared or sprayed with an appropriate herbicide.	
		U	Significant riprap displacement, exposure of bedding, or stone degradation observed. Scour activity is undercutting banks, eroding embankments, or impairing channel flows by causing turbulence or shoaling. Rock protection is hidden by dense brush, trees, or grasses.	
		N/A	There are no such revetments protecting this feature of the segment / system.	

[1] Proper operation of this item must be demonstrated during the inspection.
[2] The sponsor should be monitoring any observed movement to verify whether the movement is active or inactive.
[3] Inspectors must have as-built drawings available during the inspection so that the lateral distance to the heel and toe of the floodwalls can be determined in the field.
[4] The decision on whether or not USACE inspectors should enter a pipe to perform a detailed inspection must be made at the USACE District level. This decision should be made in conjunction with the District Safety Office, as pipes may be considered confined spaces. This decision should consider the age of the pipe, the diameter of the pipe, the apparent condition of the pipe, and the length of the pipe. If a pipe is entered for the purposes of inspection, the inspector should record observations with a video camera in order that the condition of the entire pipe, including all joints, can later be assessed. Additionally, the video record provides a baseline to which future inspections can be compared.
[5] Proper operation of the gates (full open and closed) must be demonstrated during the inspection if no documentation is available. Be aware of both manual and electrical operators.

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Pump Stations

For use during Initial and Continuing Eligibility Inspections of pump stations

Rated Item	Rating		Rating Guidelines	Location/Remarks/Recommendations
1. Pump Stations Operating, Maintenance, Training, & Inspection Records		A	Operation, maintenance and inspection records are present at the pump station and are being used and updated, and personnel have been trained in pump station operations. Names and last training date shown in the record book.	Pump Station not inspected.
		M	Operation, maintenance and inspection records are present but not adequately used and updated.	
		U	No operation, maintenance and inspection records are present, or refresher training for personnel has not been conducted.	
2. Pump Station Operations and Maintenance Equipment Manuals		A	Operation and Maintenance Equipment Manuals and/or posted operating instructions are present and updated as required, and adequately cover all pertinent pump station features. O&M manuals include points of contact for manufacturers and suppliers of major equipment used in the facility.	
		M	Operation and Maintenance Equipment Manuals and/or posted operating instructions are present and adequately cover all pertinent pump station features. However, they are incomplete and the necessary updates have not been made.	
		U	Operation and Maintenance Equipment Manuals are not available.	
3. Safety Compliance		A	Safety compliance inspection reports by applicable local, state, or federal agencies available for review.	
		M	No safety compliance inspection reports are available for review.	
4. Communications (A or M only)		A	A telephone, cellular phone, two-way radio, or similar device is available to pump station operator and maintenance personnel.	
		M	A telephone, cellular phone, two-way radio, or similar device is not available to pump station operator and maintenance personnel.	
5. Plant Building		A	The building is in good structural condition with no major foundation settlement problems. The roof is not leaking, intake & exhaust louvers are clear of debris, fans are operational, etc.	Pt_0008: Pump Station building integrated into levee. Unable to inspect interior space. No problems were reported during 2008 flood event.: Inspect Pump Station building (A)
		M	There are minor structural defects, minimal foundation settlement, leaks, or other conditions noted that need repair. Defects do not threaten the structural integrity or stability of the building, and will not impact pumping operations.	
		U	The structural integrity or stability of the building is threatened, or there is damage to the building that threatens safety of the operator or impacts pumping operations.	
6. Fencing and Gates[1]		A	Fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	
		M	Fencing or gates are damaged or corroded but appear to be maintainable. Locks may be missing or damaged.	
		U	Fencing and gates are damaged or corroded to the point that replacement is required, or potentially dangerous features are not secured.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Pump Stations

For use during Initial and Continuing Eligibility Inspections of pump stations

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
		N/A	There are no features noted that require safety fencing.	
7. Pumps[1]		A	All pumps are properly maintained and lubricated. Systems are periodically tested and documented for review. No vibration, cavitation noises or unusual sounds are noted when the pump is operated. Bearing temperature sensor records don't indicate any problems.	
		M	Minor deficiencies noted that need to be closely monitored or repaired, such as the presence of slight vibrations, leakage of packing gland, bearing temperature sensors are inoperable or no record is present. However, the pumps are operational and are expected to perform through the next period of usage.	
		U	Major deficiencies identified that may significantly reduce pumping operations. For example, bearing sensor records indicate problems, excessive vibration noted, impellers are badly corroded, or there are eroded or missing blades.	
8. Motors, Engines, Fans, Gear Reducers, Back Stop Devices, etc.		A	All items are operational. Preventative maintenance and lubrication is being performed and the system is periodically subjected to performance testing. Instrumentation, alarms, bearing sensors and auto shutdowns are operational.	
		M	Systems have minor deficiencies, but are operational and will function adequately through the next flood. Bearing sensors are not operational.	
		U	One or more of the primary motors or systems is not operational, or noted deficiencies have not been corrected.	
9. Sumps / Wet well		A	Clear of debris, sediment, or other obstructions. Procedures are in place to remove debris accumulation during operation.	
		M	Debris, sediment, or other obstructions may be present and must be removed, but the sump/ wet well will function as intended during the next flood. Procedures are in place to remove debris accumulation during operation.	
		U	Large debris or excessive silt present which will hinder or damage pumps during operation, or no procedures established to remove debris accumulation during operation.	
10. Mechanical Operating Trash Rakes[1]		A	Drive chain, bearing, gear reducers, and other components are in good operating condition and are being properly maintained.	
		M	The trash rake is in need of maintenance, but is still operational.	
		U	Trash rake not operational or deficiencies will inhibit operations during the next flood event.	
		N/A	There are no mechanical trash rakes.	
11. Non-Mechanical Trash Racks		A	Trash racks are fastened in place and properly maintained.	
		M	Trash racks are in place but are unfastened or have bent bars that allow debris to enter into the pipe or pump station, bars are corroded to the point that up to 10% of the sectional area may be lost. Repair or replacement is required.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Pump Stations

For use during Initial and Continuing Eligibility Inspections of pump stations

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
		U	Trash racks are missing or damaged to the extent that they are no longer functional and must be replaced. (For example, more than 10% of the sectional area may be lost.)	
		N/A	There are no trash racks, or they are covered in the pump stations section of the report.	
12. Fuel System for Pump Engines		A	Fuel system is operational, day tank present and operational, fuel fresh and rotated regularly.	
		M	Fuel system is operational and of adequate capacity, but day tank is missing or fuel is not fresh and rotated regularly.	
		U	Fuel system not functional.	
		N/A	No fuel system.	
13. Power Source		A	The normal power source and backup generators, if installed, are operational, properly exercised and well maintained. Surge protection, grounding, lightning protection, transformers, and automatic/manual transfer of main power to backup system is working.	
		M	Normal power source and backup units, if applicable, are operational with minor discrepancies or maintenance, inspection and exercising record is present but not up to date. Preventative maintenance or repairs are required.	
		U	Normal power source or generators are not operational and must be repaired; or generator, if required, is not on site.	
14. Electrical Systems[2]		A	Operational and maintained free of damage, corrosion, and debris. Preventative maintenance and system testing is being performed periodically.	
		M	Operational with minor discrepancies. Preventative maintenance or repairs are required, but the components are expected to function adequately during the next flood event.	
		U	Components of the electrical system will not function adequately during the next flood event and must be replaced.	
15. Megger Testing on Pump Motors and Critical Power Cables		A	Results of megger tests on pump motors or critical power cables show that the insulation meets manufacturer's or industry standards. Tested within the last year.	
		M	Megger testing not conducted within the past year. If megger tests on pump motors indicate that insulation resistance is below the manufacturer's or industry standard, but the resistance can be corrected with proper application of heat, this is minimally acceptable. (The application of heat does not relate to critical power cables.)	
		U	Megger tests not conducted within past two years, or tests indicate that insulation resistance is low enough that the equipment will not be able to meet design standards of operation; or evidence of arcing or shorting is detected visually.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

Pump Stations

For use during Initial and Continuing Eligibility Inspections of pump stations

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
16. Enclosures, Panels, Conduit and Ducts		A	All enclosures, panels, conduits, and ducts are protected from corrosion damage and show no rust, damage, or deterioration that would cause a safety concern.	
		M	Minor surface corrosion which appears to be maintainable. Cleaning and painting required.	
		U	Severely corroded and must be replaced to prevent failure, equipment damage, or safety issues.	
17. Intake and Discharge Pipelines		A	Intake and discharge pipelines have no corrosion and paint is intact, except for minor touch up required. Pipe couplings and anchors have no leakage or corrosion.	
		M	Intake and discharge pipelines have minor corrosion and repair and painting is required. Pipe coupling with anchors have minor leakage, corrosion and require bolts to be tightened.	
		U	Intake and discharge pipelines have major corrosion and replacement is required. Pipe coupling with anchors have major leakage and is heavily corroded and requires replacement.	
18. Sluice/ Slide Gates[3]		A	Gates open and close freely to a tight seal or minor leakage. Gate operators are in good working condition and are properly maintained. Sill is free of sediment and other obstructions. Gates and lifters have been maintained and are free of corrosion. Documentation provided during the inspection.	
		M	Gates and/or operators have been damaged or have minor corrosion, and open and close with resistance or binding. Leakage quantity is controllable, but maintenance is required. Sill is free of sediment and other obstructions.	
		U	Gates do not open or close and/or operators do not function. Gate, stem, lifter and/or guides may be damaged or have major corrosion.	
		N/A	There are no sluice/slide gates.	
19. Flap Gates/ Flap Valves/ Pinch Valves[1]		A	Gates/ valves open and close easily with minimal leakage, have no corrosion damage, and have been exercised and lubricated as required.	
		M	Gates/ valves will not fully open or close because of obstructions that can be easily removed, or have minor corrosion damage that requires maintenance.	
		U	Gates/ valves are missing, have been damaged, or have deteriorated to the point that they need to be replaced.	
		N/A	There are no gates on discharge lines from pump station.	
20. Cranes[1]		A	Cranes operational and have been inspected and load tested in accordance with applicable standards within the last year. Documentation is on hand.	

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction

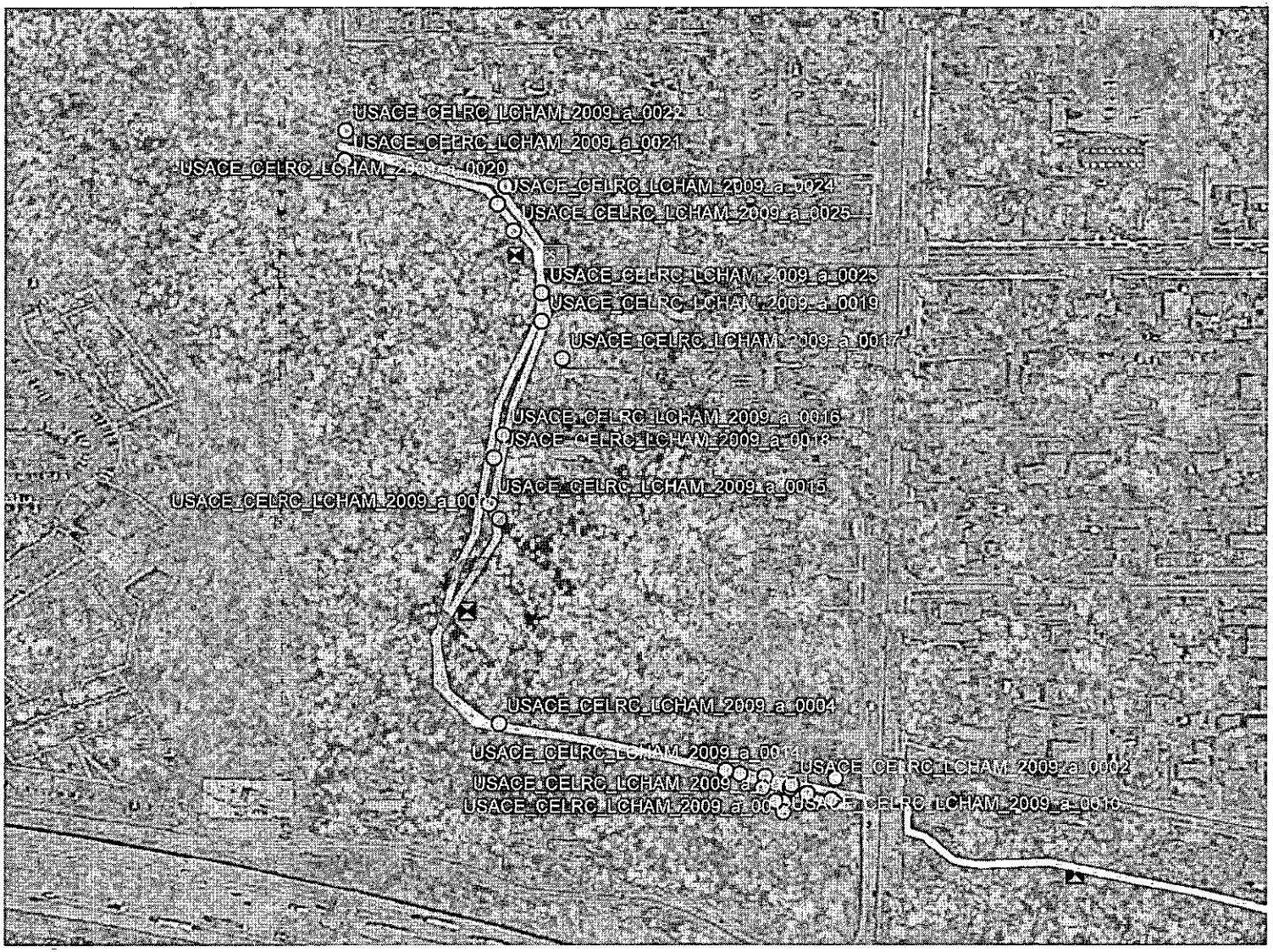
Pump Stations

For use during Initial and Continuing Eligibility Inspections of pump stations

Rated Item	Rating	Rating Guidelines		Location/Remarks/Recommendations
		M	Cranes have not been inspected or operationally tested within the past year, or there are visible signs of corrosion, oil leakage, etc, requiring maintenance.	
		U	Cranes are not operational, and this may prevent the pump station from functioning as required. No documentation available on cranes.	
		N/A	There are no cranes.	
21. Other Metallic Items (Equipment, Ladders, Platform Anchors, etc)		A	All metal parts are protected from corrosion damage and show no rust, damage, or deterioration that would cause a safety concern.	
		M	Corrosion seen on metallic parts appears to be maintainable.	
		U	Metallic parts are severely corroded and require replacement to prevent failure, equipment damage, or safety issues.	
		N/A	There are no other significant metallic items.	

[1] Proper operation of this item must be demonstrated during the inspection.
[2] Check motor control center, circuit breakers, pilot lights, volt meters, ammeters, sump level indicator, gate position indicators, remote operating systems, including SCADA and telemetry systems. Also, check interior and exterior lighting; especially lighting near trash rack screens, ladders, walkways, etc.
[3] Proper operation of the gates (full open and closed) must be demonstrated during the inspection if no documentation is available. Be aware of both manual and electrical operators.

Key: A = Acceptable. M = Minimally Acceptable; Maintenance is required. U = Unacceptable. N/A = Not Applicable. FDR = Flood Damage Reduction


USACE_CELRC_LCHAM_2009_a_0022
USACE_CELRC_LCHAM_2009_a_0021
USACE_CELRC_LCHAM_2009_a_0020
USACE_CELRC_LCHAM_2009_a_0024
USACE_CELRC_LCHAM_2009_a_0025
USACE_CELRC_LCHAM_2009_a_0023
USACE_CELRC_LCHAM_2009_a_0019
USACE_CELRC_LCHAM_2009_a_0017
USACE_CELRC_LCHAM_2009_a_0016
USACE_CELRC_LCHAM_2009_a_0015
USACE_CELRC_LCHAM_2009_a_0004
USACE_CELRC_LCHAM_2009_a_0014
USACE_CELRC_LCHAM_2009_a_0002
USACE_CELRC_LCHAM_2009_a_0010

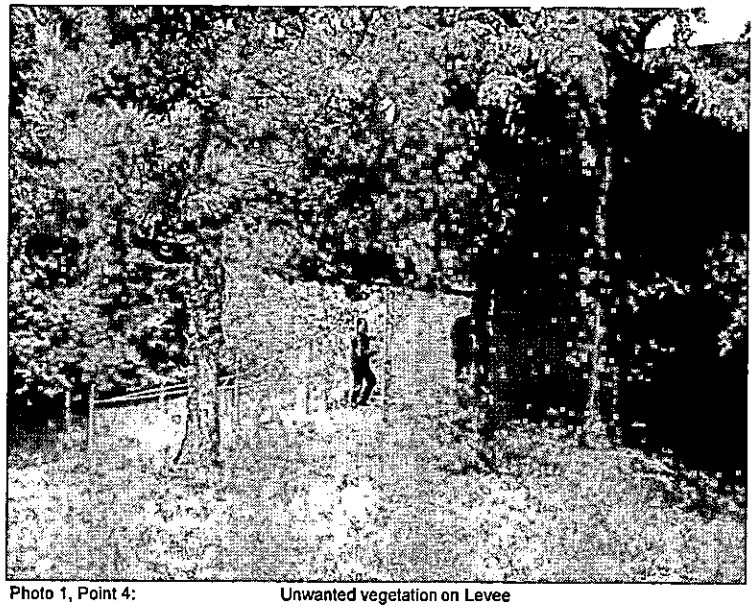


Photo 1, Point 4: Unwanted vegetation on Levee

Photo 2, Point 7: Several Ornamental vegetation on level between PS and Hohman Ave.

Photo 3, Point 11: Tree growing at edge of spillway on levee

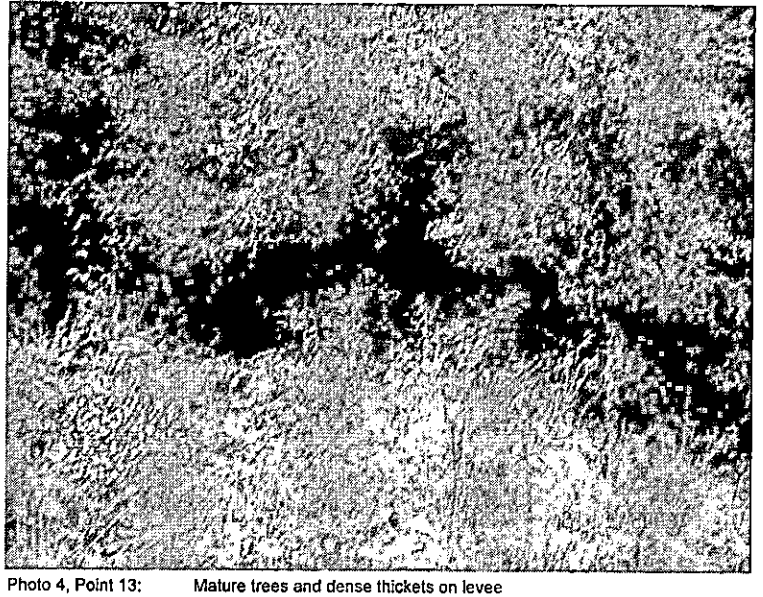


Photo 4, Point 13: Mature trees and dense thickets on levee

Photo 5, Point 18: Trees on levee crest and riverside slope

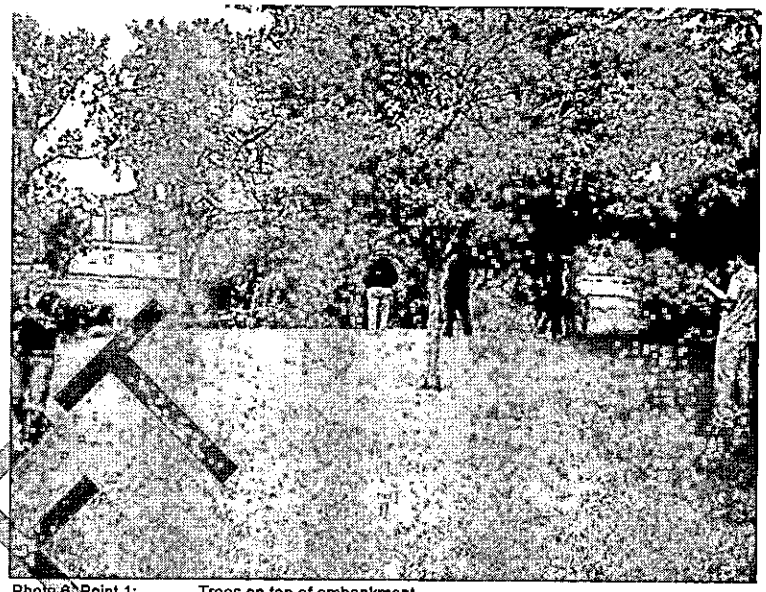


Photo 6, Point 1: Trees on top of embankment

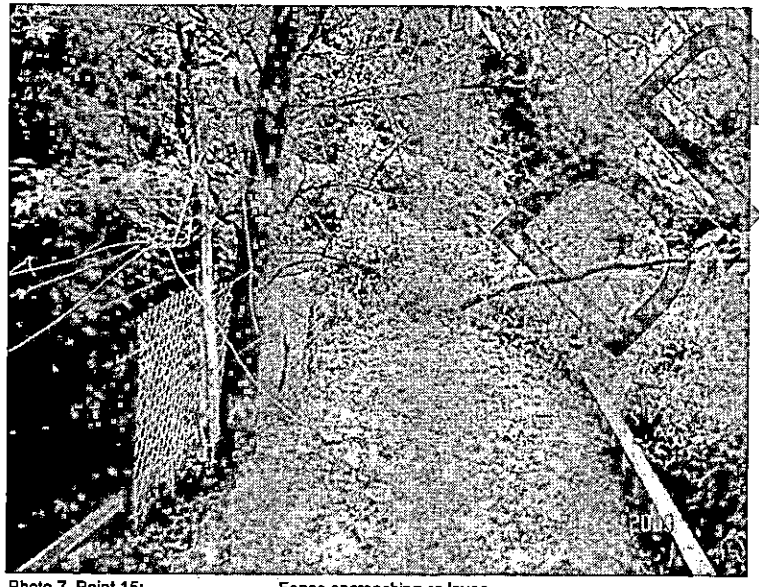


Photo 7, Point 15: Fence encroaching on levee

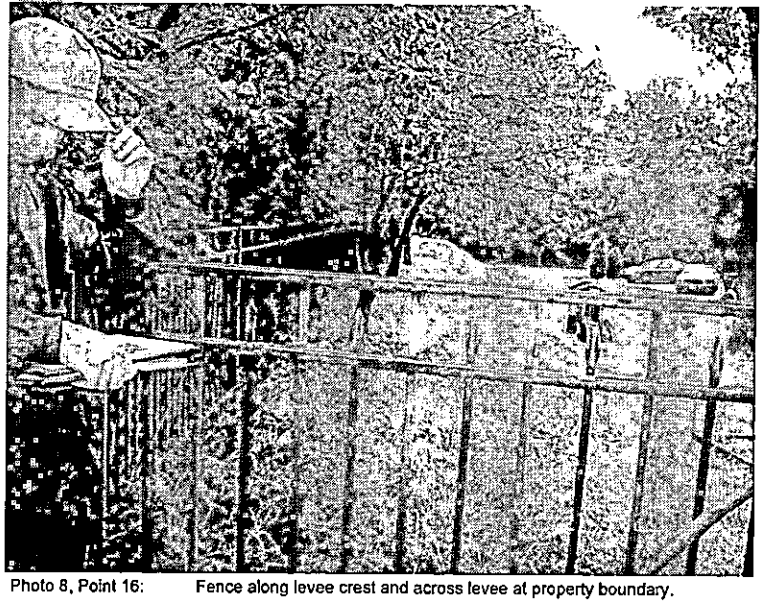


Photo 8, Point 16: Fence along levee crest and across levee at property boundary.

Photo 9, Point 19: Lawn sprinkler system on levee

Photo 10, Point 23 & 24: Lawn sprinkler system and fence on levee

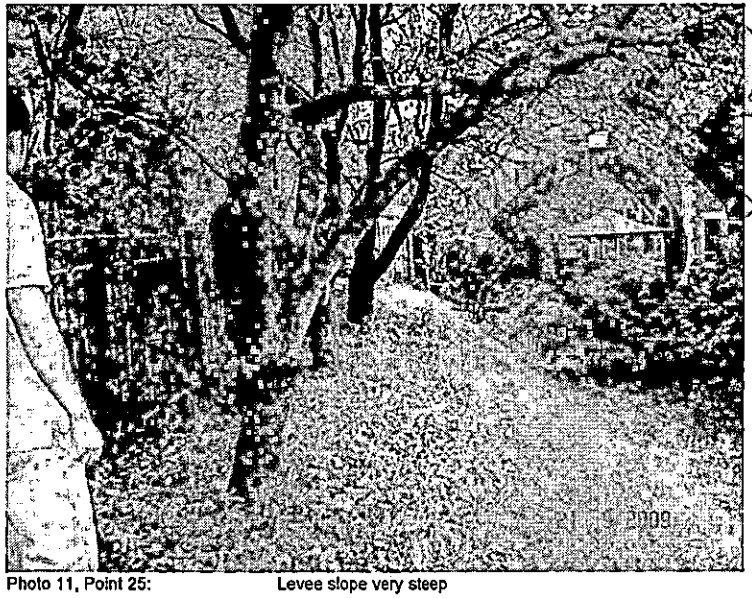


Photo 11, Point 25: Levee slope very steep

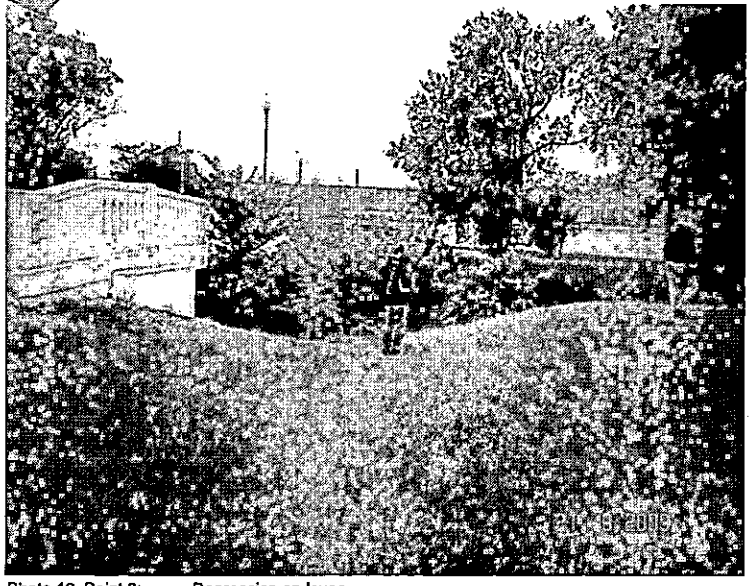


Photo 12, Point 2: Depression on levee

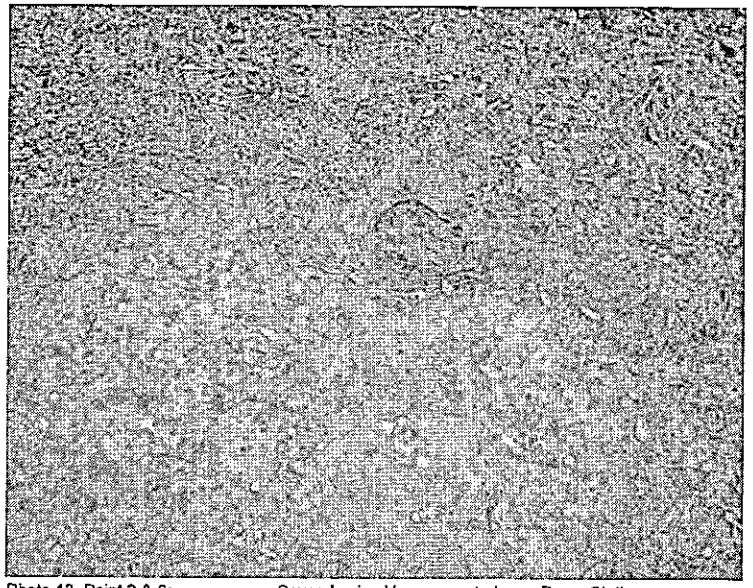


Photo 13, Point 3 & 6: Several animal burrows noted near Pump Station

Photo 14, Point 14: Numerous animal burrows throughout south section of levee

Photo 15: Significant vegetation on the riverside of the outer sheet pile wall and crest

Photo 16: Fencing across wall

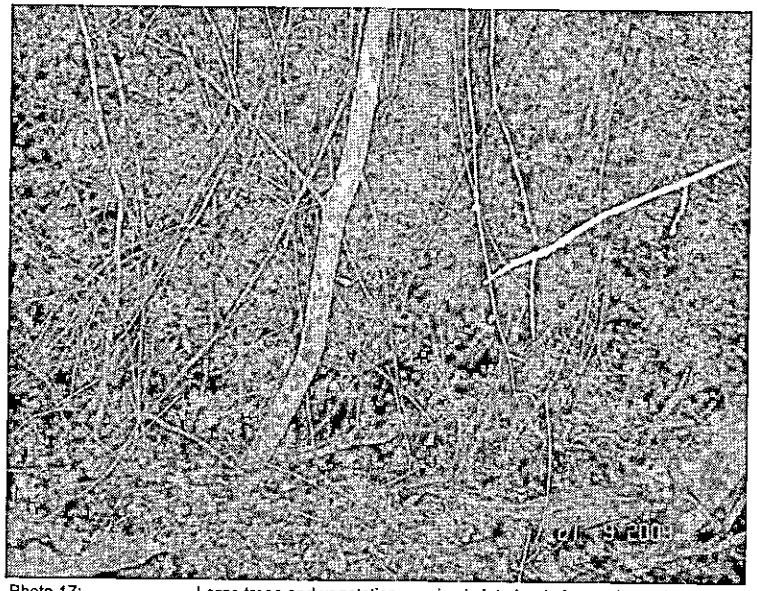


Photo 17: Large trees and vegetation growing in interior drainage channel

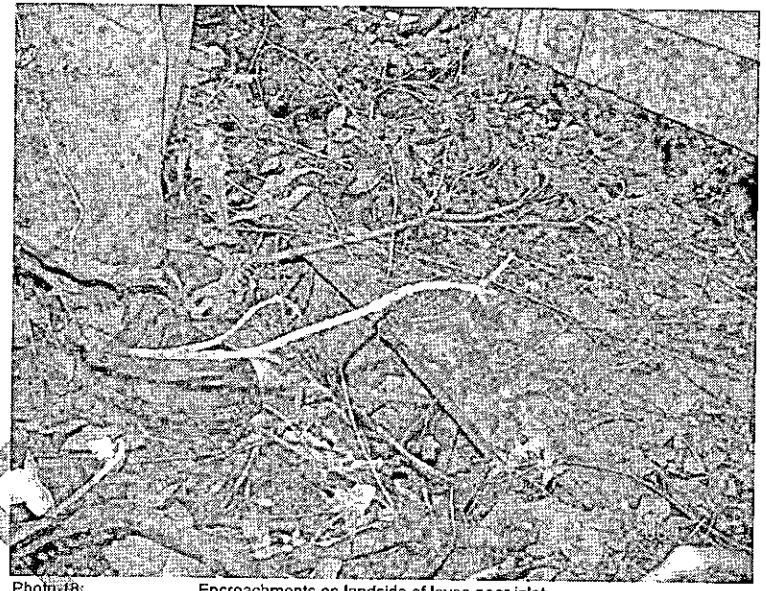


Photo 18: Encroachments on landside of levee near inlet

Photo 19: Structures surrounding the inlet

Photo 20, Point 9: Only observed fence associated with project was the PS fence. Significant crack across concrete spillway.

Photo 21, Point 12: Culvert outfall had no flap-gate or sluice gate

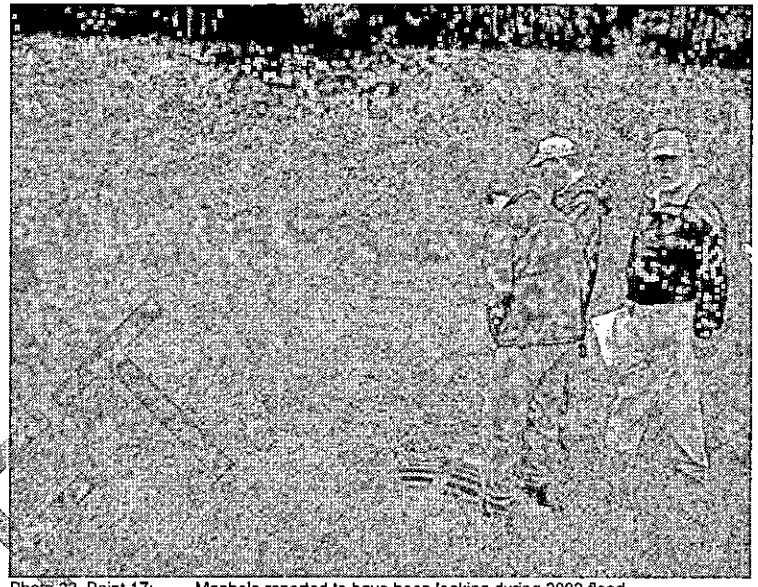


Photo 22, Point 17: Manhole reported to have been leaking during 2008 flood. No sluice or other secondary closure on culvert.

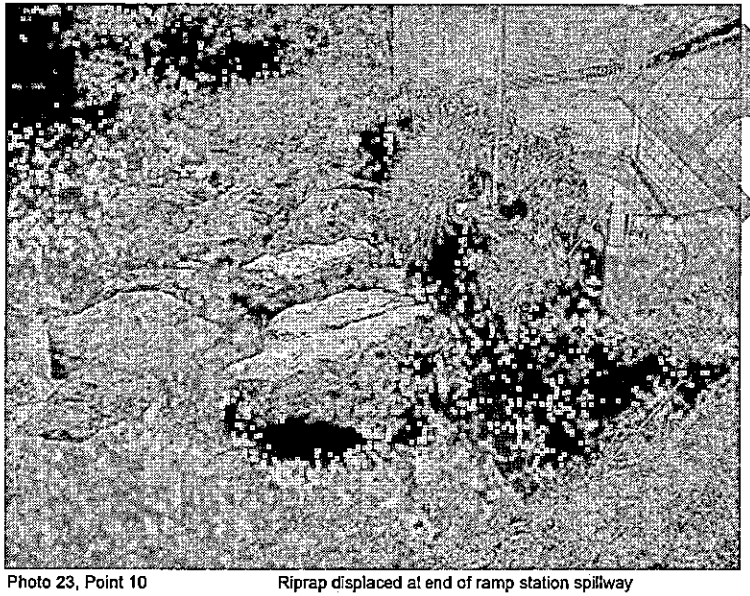


Photo 23, Point 10 Riprap displaced at end of ramp station spillway

US Army Corps of Engineers. Chicago District	PROJECT TITLE: Little Cal Levee Inspections	COMPUTED BY:	DATE: 9/21/09	SHEET: of
	COMPUTATION TITLE: Hammond	CHECKED BY:	DATE:	

Name	Org	Phone
Bill Rockford	USACE	312-846-5450
Mark Gordish	City of Hammond	219-853-6336
Yuki Galisanao	USACE	312-846-5408
Zohaib Ahmed	USACE	312-846-5405
Joel Schmidt	USACE	312 846-5517
Jim Pokrasac	LCRBDC/Local Sponsor	219-763-0696

Eng.

- SU-2 NSRR 03
- SUIII
- P.S. stay

O&M

- Prakash.

2009 A.C.

O&M / E.R.

Little Calumet River Basin Development Commission

6100 Southport Road
Portage, Indiana 46368

(219) 763-0696 Fax (219) 762-1653
E-mail: littlecal@nirpc.org

November 10, 2009

Honorable Rudy Clay
Mayor of Gary
Gary City Hall
401 Broadway
Gary, Indiana 46402

HOLD FOR
Tom's signature -
mailed Thurs
11-12

Dear Mayor:

Enclosed please find R[illegible]o. 99-1 that was unanimously approved at the reg[illegible]evelopment Commission board meeting on November 4, 2009.

The Commission feels that it is in the best interest of the Little Calumet River flood control project and citizen safety to permanently close off Chase Street at the north end. It would be the intent of the Commission for the Army Corps to install a permanent closure structure that is acceptable to Corps design and installation. There would be no cost to the City.

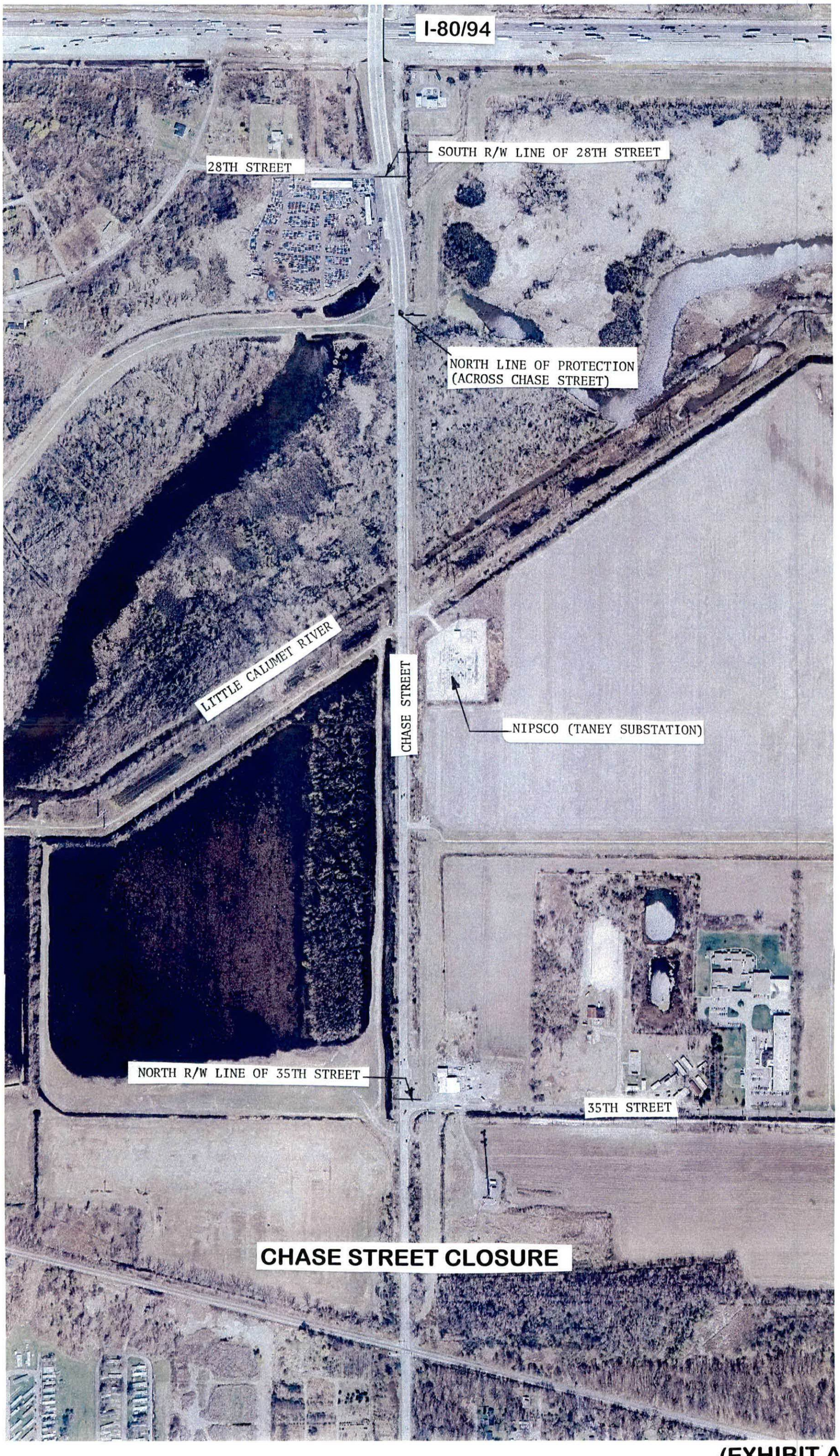
We would kindly ask for your approval and authorization to allow the closing of this road.

If you have any questions, please call or email Jim Pokrajac, engineering agent, at the above number/email. Thank you for your consideration of our request.

Sincerely,

Daniel E. Dernulc
Chairman

sjm
Encl.
Cc: Geraldine Tousant, *Deputy Mayor*
Arlene Colvin, *Chief of Staff*


I-80/94
28TH STREET
SOUTH R/W LINE OF 28TH STREET
NORTH LINE OF PROTECTION
(ACROSS CHASE STREET)
LITTLE CALUMET RIVER
CHASE STREET
NIPSCO (TANEY SUBSTATION)
NORTH R/W LINE OF 35TH STREET
35TH STREET
CHASE STREET CLOSURE

(EXHIBIT A)