



Little Calumet River Basin Development Commission

8149 Kennedy Avenue Highland, Indiana 46322 (219) 923-1118

Sandy

ARLENE COLVIN, Chairperson

Mayor of Gary's
Appointment

GEORGE CARLSON, Vice-Chairman

Mayor of Hammond's
Appointment

CLYDE BAUGHARD, Treasurer

Governor's Appointment

WILLIAM CRITSER, Secretary

Governor's Appointment

CHARLES AGNEW

Governor's Appointment

NATHANIEL LEONARD

Lake County Commissioners'
Appointment

STEVE DAVIS

Dept. of Natural Resources'
Appointment

JOHN DEMEO

Governor's Appointment

DAVID SPRINGMAN

Governor's Appointment

WILLIAM TANKE

Porter County Commissioners'
Appointment

VACANCY

Governor's Appointment

DAN GARDNER

Executive Director

MEETING NOTICE

THERE WILL BE A MEETING OF THE
LITTLE CALUMET RIVER BASIN DEVELOPMENT
COMMISSION
AT 6:30 P.M. THURSDAY, FEBRUARY 6, 1992
AT THE OFFICE OF THE
REGIONAL PLANNING COMMISSION
8149 KENNEDY AVENUE
HIGHLAND, INDIANA

A G E N D A

Pages

1. Call to Order by Chairperson Arlene Colvin
2. Recognition of Visitors, Guests
3. Approval of minutes of January 8, 1992
4. Executive Director's Report
 - Recommended 1992 committees structure
 - Finance/Policy Committee
 - Legislative Committee
 - Land Acquisition/Management Committee
 - Marina Development Committee
 - Project Engineering/Construction Committee
 - Federal Project Construction update
 - Gary city council meeting Feb.10 - 5:30 p.m., Gary
 - Contractors' Seminar Feb.13 - 10:00 a.m. - Urban League N.W. IN office, Gary
 - Letter to Corps relaying Phase II comments
 - DNR permit approval for Phase II
 - Report from project engineer, Jim Flora
 - Review of letter sent to Corps re: Section 215 eligibility

1-5

6

7-8

9-21

7 Comm

5. Reports of Standing Committees

A. Finance/Policy Committee - Clyde Baughard,
Treasurer

- Financial status report
- Approval of claims for January, 1992
- Other issues

22
23

B. Legislative Committee - George Carlson

- Report on 1992 State General Assembly Session

C. Land Acquisition/Management Committee - Charles
Agnew, Chairman

- Committee meeting at 5:00 p.m.
- Appraisals, offers, acquisitions, recommended
actions
- Other issues

D. Interim Flood Relief Projects Report - Clyde
Baughard, Chairman

- Conrail R.R. culverts reconstruction project
 - Letter from TPA confirming 90% completion
 - Report by Mike Kerr, TPA
- Indpls. Blvd. area sediment removal project
complete except for minor grading
- Other issues

24

E. Breakwaters/Marina Committee - Bill Tanke, Chairman

- Marina engineering/financial analysis plan for
marina development update
 - Summary of kick-off meeting held 1/23
 - Schedule of Abonmarche activity - proposed
- Other issues

25-26

6. Other Business

7. Statements to the Board from the floor

8. Set date for next meeting; adjournment

MINUTES OF THE LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
HELD AT 6:30 P.M. WEDNESDAY, JANUARY 8, 1992
AT THE COMMISSION OFFICES
8149 KENNEDY AVENUE, HIGHLAND, INDIANA

Chairperson Arlene Colvin called the meeting to order at 6:30 p.m. Seven (7) Commissioners were present. Quorum was declared and guests were recognized.

Development Commissioners:

George Carlson
Charles Agnew
Dave Springman
Nathaniel Leonard
Steve Davis
Arlene Colvin
John DeMeo

Staff:

Dan Gardner
Lou Casale
Sandy Mordus
Bruce Stouffer
Brian Blackmore

Visitors:

Pete Zak - South Shore Marina
Mary Ann Zak - " "
Bob Huffman - Munster
Donald Shapiro - Highland
Dick Wawrzyniak - DNR, Div. of Water
David Cole - Abonmarche Group
Chuck Eckenstahler-Abonmarche
Richard Bundy-Salmon Unlimited
Pete Zolkes-Tenney Pavoni
Dan Ogan-SEMA
Siavash Beik-DNR, Div. of Water
John Bach - Town of Highland
Dick Bell - SEMA
Les Miller-Governor's Office
Nick Simmons-Precinct Commit-
teeman of Gary
Rickey Austin - Gary
Leon Wells-Lake Co. Highway

The minutes of the December 5th, 1991 meeting were approved by a motion from John DeMeo; seconded by Dave Springman; motion passed unanimously.

Chuck Agnew, Chairman of the Nominating Committee, presented the slate of officers for 1992. Mr. Agnew made a motion for Arlene Colvin to be retained as Chairperson, motion seconded by John DeMeo, motion passed unanimously; Mr. Agnew made a motion for George Carlson to be retained as Vice Chairman, motion seconded by Nathaniel Leonard, motion passed unanimously; Mr. Agnew made a motion for Clyde Baughard to be retained as Treasurer, motion seconded by John DeMeo, motion passed unanimously; Mr. Agnew made a motion for William Critser to be retained as Secretary, motion seconded by Nathaniel Leonard, motion passed unanimously.

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Construction of the first phase segment is being performed by Dyer Construction and is ongoing. The provided borrow site that the Lake County Parks Dept. owns probably will not be used in this first phase. Dyer Construction appears to have found another site suitable for levee material that is more to their advantage to use. The Commission borrow site still remains to be used a later time.

Discussion was held on the Wicker Park Manor interim levee. Dean Ogan from the State Emergency Management Agency was present as well as Les Miller from the Governor's staff to address Commission. Mr. Miller thanked the Commission for addressing the situation and for proceeding to draft a letter to the Corps under Section 215. Mr. Miller indicated that although the state cannot commit itself for future funding, he reiterated that there is a history of over \$16 million to the Commission thus far and a commitment to the project. They will continue to act in good faith to keep the project rolling. He stated that there is a need to move ahead quickly.

A contract between IDNR (funding the design of the interim levee) and SEG (engineering firm doing the design work) is in the process of being signed. Mr. Gardner discussed the draft letter to the Corps requesting them to investigate the eligibility of the levee reconstruction project for the Section 215 designation and credit/reimbursement. Under Section 215, the Commission will receive credit from the Corps for monies expended. The draft letter is based upon the 4 conditions adopted by the Board earlier and wrote the letter within the constraints the Board authorized. Discussion ensued on how complete the letter was as it now exists. Mr. Carlson indicated he felt more support material would be requested by the Corps. Mr. Gardner indicated the letter was the starting point to at least get the issue before them. In light of new correspondence received and made known to us lately, some update may have to be done. Mr. Agnew made a motion to approve the concept of the letter and forward it to the Corps with whatever necessary updated changes need to be made. Mr. Carlson added that any future information to supplement the document be provided to the Commission prior to submission to the Corps; motion seconded by Nathaniel Leonard; motion passed unanimously.

Mr. Wawrzyniak from DNR presented a copy of a Memorandum of Understanding between INDOT and DNR to change the construction schedule of the U.S. Hwy #41 bridge over the river from 1995 to 1993.

Mr. Miller stated to the Board members that the Governor's Office is also looking at the vacancies and lapsed appointment dates for Board members. We should hear something in the near future.

Mr. Gardner informed the Commissioners that Congressman Visclosky now sits on the Appropriations Committee. The Congressman stressed to Dan his continued support and push for funding.

The legislature is now in session. This is the short session and is not a budget year.

Finance/Policy Committee - In Treasurer Clyde Baughard's absence, Mr. Gardner presented the financial status report for December as well as the claims. Nathaniel Leonard made a motion to approve the pending claims; motion seconded by George Carlson; motion passed unanimously.

Discussion was held on completion of Conrail R.R. culvert reconstruction. Pete Zolkes from Tenney Pavoni confirmed that 90% of the contract work by Dyer Construction has been completed. The remaining 10% work should be completed within the next two weeks. The bill that Dyer has submitted is valid and agreed to by TPA so payment to Dyer can be made. At the next meeting, there should be a slide presentation of the work performed. Mr. Zolkes stated that Conrail personnel have inspected the work on a regular basis. The open cut method has saved the Commission many dollars that otherwise would have been spent for a temporary bridge.

Land Acquisition/Management Committee - Committee Chairman Chuck Agnew gave the land acquisition report. Mr. Agnew made a motion authorizing Chairman to sign agreement with NIPSCO for a levee easement pending some final wording being worked out by attorney; motion seconded by George Carlson; motion passed unanimously. Approving the agreement now will alleviate the waiting period for our next meeting.

The Commission has received a Corps letter regarding the passing of a resolution and the Memorandum of Agreement for Burr Street betterment. The Commission has previously authorized the Corps to proceed with the design of a levee to provide equal protection to Burr Street residents. Approximate cost would be \$2 million. This cost will be the responsibility of the Commission. Mr. Carlson made a motion to adopt Resolution 92-1 which authorizes

and directs the Chairman to sign on the Commission's behalf the Memorandum of Agreement and Escrow agreement and any other documents needed to effectuate same; motion seconded by Chuck Agnew; motion passed unanimously.

Interim Flood Committee - John Bach from town of Highland reported to Commission that the dredging project at Indianapolis Blvd. is basically complete. Minor work only remains to be done. He thanked the Commission and thanked Mr. Ogan from SEMA, who was very instrumental in helping fund the project. Mr. Carlson expressed concern that the slope of the dike was not left at the elevation it was prior. Mr. Bach stated he would send the town engineer to inspect it and verify the elevation and it will be corrected. Mr. Bach stated that Dyer Construction did a fine job of dredging.

Marina/Breakwater Committee - In Committee Chairman Bill Tanke's absence, Mr. Gardner reported that the Commission has received the final environmental assessment from Portage of the proposed marina projects, including the public marina.

Mr. Gardner referred to the NIPSCO letter in packet stating their support for the project and their willingness to work with us. Mr. Gardner informed Commissioners that a meeting is scheduled with the city, Abonmarche, NIPSCO, etc. to work out a scope of services Abonmarche will provide. Attorney Casale has drafted up a contract with Abonmarche (copy to be given to them for their review). After a kickoff meeting, the contract is expected to be signed.

Statements from the floor - Richard Bundy, Salmon Unlimited, reminded Commission that the marina is a public marina. As such, no one should be denied access.

Mr. Bundy also expressed his opinion that the river at Kennedy Ave. is clean on the east side but has debris and buildup on the west side. Stated there is also dumping going out along the service road by the Oxbow area. Someone has been dozing it over to the river side and it needs cleanup.

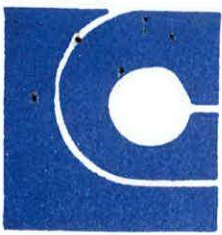
Leon Wells from the Lake County Highway Dept. introduced himself to the Commission and stated he would periodically attend the meetings. The County Highway is concerned with Burr St. bridge.

LCRBDC Minutes
January 8, 1992
Page 5

Its replacement is the responsibility of the County. Mr. Gardner stated that the County authorized engineering of Burr St. bridge replacement in 1992. It was stated to be the second highest bridge construction priority in Lake County.

There was no other business. The next Commission meeting was scheduled for Thursday, February 6 at 6:30 p.m.

/sjm



Little Calumet River Basin Development Commission

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DAN GARDNER
Executive Director

January 23, 1992

Randall R. Inouye
LTC, Corps of Engineers
Chicago District
111 N. Canal Street
Chicago IL 60606-7206

Dear Col. Inouye:

Relative to your request for comments on plans and specifications for Stage 2 Phase 2, we offer the following:

We have one comment of substance we feel needs change in the proposed plans and specifications. We suggest changing the plans and specifications to show the Indiana Department of Transportation right-of-way fence to be reconstructed on or in its existing location rather than located further south. The land between the existing fence location and the real INDOT right-of-way is to be turned over to the Commission by INDOT. With that one exception, the plans and specifications for Stage 2 Phase 2 are acceptable as presented to us.

If you have any questions, please free feel to call me.

Sincerely,


Dan Gardner
Executive Director

/sjm
cc: Beldon McPheron

STATE OF INDIANA
DEPARTMENT OF NATURAL RESOURCES
NATURAL RESOURCES COMMISSION

**Certificate of Approval
of
Construction In A Floodway**

This certificate is issued to Little Calumet River Basin Development Commission

in accordance with an application dated September 10, 1991

filed by Dan Gardner

for flood control levee along the Little Calumet River between Harrison Street

and Grant Street along the north side of the river adjacent to the south Inter-

state 80/94 embankment at Gary, Lake County, SW $\frac{1}{4}$, Section 16, T. 36 N., R. 8 W.,

UTMN=601575, UTME=471090 (downstream end)

upon the finding by the Commission that the proposed work will not in the reasonably foreseeable future interfere with flood control in the State, or adversely affect the efficiency of nor unduly restrict the capacity of the floodway or constitute an unreasonable hazard to the safety of life or property, nor result in an unreasonable detrimental effect upon fish, wildlife or botanical resources. The Commission approves the proposed work, subject to the limitations and conditions stipulated below, provided the project is constructed and maintained in accordance with the plans, specifications and other data submitted with the application. There shall be no deviation from said plans unless the proposed change in plans shall first have been submitted to and approved in writing by the State of Indiana acting by and through its Natural Resources Commission.

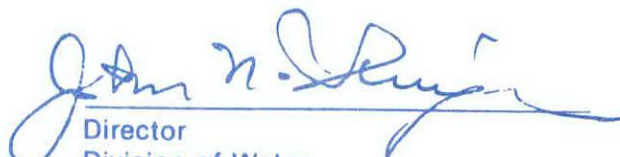
LIMITATIONS AND CONDITIONS

This approval granted with the conditions that: (1) no felled trees, brush or
other debris be left in the floodway of the stream, (2) during construction,
(over)

Further limitations and conditions are that notice shall be given the Commission five days prior to the beginning of construction. This approval shall become void if construction of the project has not been started within 24 months of the date of this Certificate. The approval by the Commission does not relieve the person making application of the responsibility to obtain all other permits, easements or approvals nor of liability for the effects of his project upon the safety of life and property of others.

January 13, 19 92

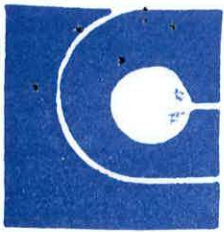
Approved


Director
Division of Water
Department of Natural Resources

Docket No. L-13,940

LIMITATIONS AND CONDITIONS (continued)

measures be taken to prevent erosion and siltation of the stream, (3) disturbed areas be suitably revegetated or otherwise provided permanent protection upon completion, (4) the embankment be monitored for horizontal and vertical movement by placing and monitoring settlement stakes on the levee and using a similar monitoring program as outlined in the attached specifications from approved Application No. L-13,600, (5) wetland losses as a result of this project be replaced; in kind, in the same immediate area and at the following ratios: emergent wetlands, 1:1; scrub/shrub wetlands, 2:1; forested wetlands, 3:1, (6) if the project involves tree removal (other than forested wetlands covered in condition (5)) then tree planting be incorporated into the site revegetation plan to screen, landscape and/or reforest the area, (7) borrow areas not impact wildlife habitat including wetlands



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DAN GARDNER
Executive Director

January 28, 1992

Randall R. Inouye
LTC, Corps of Engineers
Chicago District
111 N. Canal Street
Chicago IL 60606-7206

Dear Col. Inouye:

The Little Calumet River Basin Development Commission, by a vote of the board, formally requests the Chicago District U. S. Army Corps of Engineers investigate the eligibility of a levee reconstruction project for the Wicker Park Manor subdivision in Highland, Indiana for Section 215 designation and credit/reimbursement.

This project has the support of the Bayh administration, the State Emergency Management Agency, the Indiana Department of Natural Resources, and the municipality affected - the town of Highland. This interim protection approach was discussed at the State policy level and brought to the Development Commission for consideration and support for a Corps of Engineers 215 request as the most cost effective approach and best technical solution to reconcile FEMA reconstruction criteria with long term residential redevelopment of the affected area. The current Federal flood protection project is an estimated four (4) years from construction in this river stretch, thus necessitating an interim solution compatible with the long range federal project and able to allow residential reconstruction with FEMA regulations for those families substantially damaged. Current estimates put that number at approximately 60 families.

January 28, 1992

Page 2

The project design is being spearheaded by the Indiana Department of Natural Resources in consultation with FEMA and SEMA. The Development Commission vote to request the Corps of Engineers Section 215 investigation is based upon four stated conditions adopted by the Development Commission relative to the interim protection project and its design and funding. These adopted conditions are included as Attachment A to this letter. Of particular note to the Corps of Engineers review of Section 215 eligibility are Conditions 1 and 3 which state explicitly the Development Commission sponsorship of a Section 215 request is valid only if the project designed is compatible with and can be expanded on by the Corps project and if the project design can achieve a permit indicating no adverse impacts of the project downstream or across the river.

The IDNR has initiated a design process to produce a final design that will meet FEMA rebuilding regulations and will be eligible for Corps of Engineers Section 215 credit/reimbursement. To achieve this, the IDNR has: (1) solicited Corps of Engineers preliminary design concepts and criteria as a framework for the interim protection design; (2) contracted with ATEC Consultants for geotechnical analysis of existing spoil bank levees and railroad embankments; and (3) hired for some \$60,000 SEG Consultants to design/engineer the interim protection project, consistent with Corps of Engineers 215 requirements. Documentation of this project approach is basically contained in two letters from John Simpson, IDNR Division of Water Director to Norbert Schwartz of FEMA dated July 8, 1991 and January 8, 1992 outlining the project intent, parameters and progress. These letters are included for your reference as Attachment B.

The project will be designed by the consultant under supervision by the IDNR and with close coordination and input from the Development Commission and the Corps of Engineers. Upon final review by all key agencies for consistency with their needs, plans and specifications will be prepared and readied for bidding. The project is envisioned to be funded by the Development Commission by agreement with the IDNR, with the IDNR bidding the project, making the award, and supervising project construction. The most current report of design progress is included in the January 17, 1992 letter to you from John Simpson. This is included as Attachment C. It reflects the close coordination desired between the DNR, and consultant design and the Corps of Engineers Section 215 requirements.

January 28, 1992
Page 3

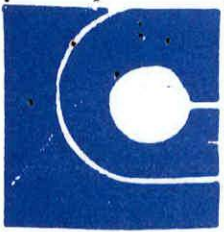
We believe this project approach will produce the best and most cost effective solution to allowing the area to rebuild and afford protection from flooding, while providing a base for expansion by the future Corps of Engineers project. With this clearly in mind, the Development Commission requests the Chicago District investigate and determine Section 215 eligibility of this project. We request a meeting to determine what additional information would be needed by the Corps of Engineers to expeditiously as possible make this determination.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dan Gardner", written in a cursive style.

Dan Gardner
Executive Director

/sjm
attach.



Little Calumet River Basin Development Commission

8149 Kennedy Avenue Highland, Indiana 46322 (219) 923-1118

HIGHLAND (WICKER PARK MANOR) INTERIM FLOOD PROTECTION LEVEE PROJECT APPROVAL CONDITIONS

1. TECHNICAL ASSURANCES

That the required technical analysis of project impacts clearly indicate that the interim levee construction will not cause or transfer flooding impacts either across the river from the project in Hammond or downstream of the project in Highland, Hammond or Gary.

NOTE: Regulatory approvability determined by calculations of less than 1/10 of 1 foot downstream impact

2. PROJECT SCHEDULING/RELATIONSHIP TO FEDERAL FLOOD CONTROL PROJECT

That the interim levee project would not substitute for nor slow down any Corps of Engineers federal flood protection construction segment in the Gary stretch of the river.

The interim project would be pursued in addition to the Corps schedule to provide regulatory relief and cost savings for the effected Wicker Park Manor residents.

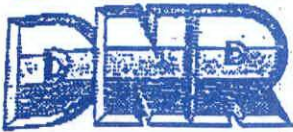
3. RELATIONSHIP OF INTERIM LEVEE TO CORPS OF ENGINEERS PROJECT

The Development Commission supports that any interim flood protection levee that would be constructed for the Wicker Park Manor be designed so that it can be increased in size and level of protection by the Corps of Engineers project rather than removed and totally replaced by the Corps designed levee.

4. USE OF DEVELOPMENT COMMISSION FUNDS FOR PART OR ALL OF THE LEVEE CONSTRUCTION

The Development Commission can and will provide assistance and funding to acquire the needed lands, easements and rights-of-way for the interim and long range project. Also, any utility relocations needed will be performed by the Commission.

Any levee construction costs are traditionally federal costs and cannot receive full credits. Unless this can be changed and full credit given within a timely manner for the project, any Development Commission funding used for levee construction must be replaced. A written formal agreement with the State Budget Committee assuring this repayment to our account in a timely manner (2-3 years) would be needed prior to commitment of funds.



INDIANA DEPARTMENT OF NATURAL RESOURCES

PATRICK R. RALSTON, DIRECTOR

Division of Water
2475 Directors Row
Indianapolis, Indiana 46241
317-232-4160
FAX: 317-241-8771

July 8, 1991

Mr. Arlyn F. Brower
Regional Director, Region V
Federal Emergency Management Agency
175 West Jackson Boulevard
Chicago, IL 60604

Attention: Mr. Norbert Schwartz

Re: Request for Preliminary
CLOMR Review of the
Proposed Flood Control
Project for Wicker Park,
Highland, Indiana

Dear Mr. Brower:

This is in regard to the proposed flood control project to protect the Wicker Park Manor Subdivision in the Town of Highland, Indiana. The Wicker Park Manor Subdivision is located within the floodplain of the Little Calumet River. In November 1990 the entire subdivision was flooded resulting in the displacement of approximately 263 homeowners, many of whose homes have since been determined to be substantially damaged. The area in question is pie-shaped and is surrounded by an active railroad embankment to the east, a spoil bank to the north (along the south bank of the river) and two abandoned railroad fills to the west. Land elevations in the subdivision are 5 to 9 feet below the 100-year flood elevation; however, the embankments plus some sand bagging have afforded the subdivision some protection during previous flooding events. A copy of a general location map is enclosed for your information.

This subdivision is located along the portion of the Little Calumet River which is scheduled to be included in an extensive flood control project to be constructed by the Army Corps of Engineers in the next several years. Unfortunately the start of construction along this section of the river is not scheduled to begin until 1993. As a result, my staff has been requested to assess some temporary structural alternatives which will provide flood protection to the subdivision until such time as the Corps levee can be constructed.

My staff and I have developed several alternatives which we believe would accomplish the goal of removing the area from the 100-year floodplain according to 44 CFR 65.10. After considering these

Letter to Mr. Brower
Page two
July 8, 1991

alternatives the following proposed flood control project appears to be the most favored alternative; however, other alternatives may present themselves during the detailed study phase of the project which could change the final design. For your information, I have enclosed some of the technical data which was used to formulate different alternatives.

In general, the proposed project is to degrade the existing spoil bank on the south side of the Little Calumet River to an elevation of 596.0 feet National Geodatic Vertical Datum (NGVD). The new embankment would have a minimum top width of 12 feet and have approximately 3 to 1 side slopes. The crest elevation would be raised to 602.0 feet, NGVD, at the upstream (west) end of the project sloping uniformly to elevation 601.0 feet, NGVD, at the downstream (east) end of the project using steel sheet piling.

The embankment along the west railroad will be reshaped to at least a 12 foot top width and a minimum 2 to 1 side slopes. The crest elevation will be raised to elevation 602.0 feet, NGVD, using steel sheet piling. The north end will be tied into the proposed levee/flood wall along the Little Calumet River and the south end will be tied off to high ground.

The eastern railroad embankment has an existing top width of 35 feet and 2 to 1 side slopes. The crest elevation is 601.4 feet, NGVD, at the lowest point. This railroad embankment is a massive structure that has been in place for many years and appears to have been well maintained by the railroad company. Reports from numerous site inspections made by our engineering and geology staff lead us to believe that the structure is certifiable in its current condition; therefore, no work is proposed on this structure.

Given the general design of the project, the following is how we plan to address the design criteria required in 44 CFR Section 65.10:

Impact to Floodway - Independent analysis performed by our staff indicates that the construction of the proposed project at this time would result in less than a .1 foot increase in flood stages. This analysis was made using both the HEC-2 run from the Flood Insurance Study and the Corps of Engineers project. A copy of a memorandum summarizing the results of this analysis is attached for your information.

Freeboard - The original Flood Insurance Study HEC-2 runs give 100-year elevations of 599.0 feet, NGVD, at the upstream limit of the project sloping uniformly to an elevation of 598.3 feet, NGVD, at the downstream limit of the project. Based on these elevations and the proposed and existing elevations of the flood control structures, the freeboard would range from 3 feet at the upstream end to 2.7 feet at the downstream end of the project.

On the north embankment, an additional one foot above the proposed freeboard will extend 100 feet upstream and downstream of the Indianapolis Boulevard bridge and on the upstream side of the

Letter to Mr. Brower
Page three
July 8, 1991

eastern rail road bridge.

The proposed freeboard which is less than FEMA's 3 foot criteria can be justified by comparing stage/discharge relationships. "Table 1" of the Highland FIS gives 100-year and 500-year frequency peak discharges of 2,165 and 2,875 cubic feet per second respectively, at the Kennedy Avenue Bridge which is just downstream of this site. The 500-year discharge is 33% higher than the 100-year discharge and results in only .8 feet increase in elevation over the 100-year elevation.

In addition, the embankment just downstream of the site, which is similar to this embankment, withstood loading for over a 24 hour period at an elevation which is only about .4 feet below the 100-year elevation.

It is also believed that debris, sediment and ice accumulations are not a major concern at the site; however, this issue will be further addressed during the next phase of the study in order to further support the use of a lesser freeboard.

Closures - A closure structure will be used at Indianapolis Boulevard as part of the overall design and will be incorporated into the system operation.

Embankment Protection - The potential for embankment erosion during the base flood as a result of currents and/or wave action will be addressed during the next phase of the study. The proposed 3 to 1 side slopes with proper compaction and seeding should lessen the impacts of current and/or wave action.

Embankment and Foundation Stability - A preliminary geotechnical investigation performed by ATEC and Associates, Inc. on the existing spoil bank and railroad embankment surrounding the Wicker Park Manor Subdivision has been completed. The report indicates that the existing embankments can serve as a usable core for a structure designed to protect the entire subdivision. The report also indicates that only a relatively small amount of seepage should occur.

Settlement - Because the existing embankments have been in place for many years and no substantial amounts of additional fill will be placed, no significant future settlement is anticipated.

Interior Drainage - The Subdivision currently has a pump station that appears to be able to remove storm water; however, the next phase of the project will address this issue in more detail.

Operation and Maintenance - Operation and maintenance plans will be developed as part of the final design phase of the project. The actual operation and maintenance will be the sole responsibility of a local agency and/or local government. The Division of Water will

Letter to Mr. Brower
Page four
July 8, 1991

provide periodic inspections of the structures and provide technical assistance to the locals needed for proper maintenance and operation.

Project Certification - The project would be submitted for approval under the Indiana Flood Control Act and reviewed as a proposal which will provide flood protection for the area for a 5 year period at which time the Corps project should be in place. Portions of our project are likely to be incorporated into the Corps project; however, we are considering our proposal to be a temporary measure. Division of Water staff would provide written documentation that the project had been completed in accordance with the approved plans and specifications.

A detailed study and final design will address the above issues in much more detail. However, we need to know as soon as possible if the basic design of the project will remove the 100-year floodplain (A Zone) designation from the current FIS before spending any additional State or Federal funds on the next phase of the project.

At present we are exploring available alternatives to fund the State share of the project. If funding becomes available, it is our intent to retain a qualified consulting firm to prepare plans and specifications for construction of the project. It is hoped that design and construction can be completed within one year.

The Division of Water is willing to work with you and your staff in any way possible to provide flood protection needed for the Wicker Park residents to return to their homes. If you have any questions, please call Mr. James Hebenstreit of my staff at telephone number (317) 232-4163.

Sincerely,



John N. Simpson, P.E.
Director
Division of Water

JNS/JJH/WCC/mlm

Enclosures: location map
technical data
memorandum



INDIANA DEPARTMENT OF NATURAL RESOURCES

PATRICK R. RALSTON, DIRECTOR

Division of Water
402 W. Washington St., Rm. W264
Indianapolis, Indiana 46204-2212
317-232-4160
FAX: 317-233-4579

January 8, 1992

Arlyn F. Brower
Regional Director, Region V
Federal Emergency Management Agency
175 West Jackson Blvd.
Chicago, IL 60604

Attention: Mr. Norbert Schwartz

Re: Continued Request for
Preliminary Review of the
Proposed Flood Control Project
for Wicker Park Manor,
Highland, Indiana

Dear Mr. Brower:

This is a continuation of our discussion begun in our letter of July 8, 1991 regarding our proposed flood control project to protect the Wicker Park Manor subdivision in the Town of Highland, Indiana. Although we have not received any written reply, the verbal comments received indicates that the proposed flood control project does have the potential of meeting the FEMA requirements and thereby removing the Wicker Park Manor subdivision from the 100 year floodplain.

For your information, we are in the process of signing a contract with a consultant to prepare construction drawings and specifications for the project. We expect to be into construction in spring of 1992.

In our letter of July 8, 1991 we stated that a closure structure will be used at Indianapolis Boulevard (U.S. Hwy. #41) as part of the overall design. Preliminary estimates indicated that the closure structure would cost approximately \$100,000. In discussions with the Indiana Department of Transportation, we learned that a new raised Indianapolis Blvd. bridge over the Little Calumet River was to be constructed in 1995. It seemed wasteful for the State of Indiana to spent that amount of money on a closure structure and have it discarded in three years.

The Indiana Dept. of Transportation has entered into a Memorandum of Understanding with the Dept. of Natural Resources in which it was agreed to move the construction schedule of the Indianapolis Blvd. up to 1993 so that the new bridge will act as the closure structure for our interim flood control project. A copy of the Memorandum is attached.

"EQUAL OPPORTUNITY EMPLOYER"



PRINTED ON RECYCLED PAPER

The State of Indiana has also strengthened its flood fight capability at Indianapolis Blvd. should another flood occur before the new bridge is build. Cast concrete blocks are stored at the southwest quadrant of the bridge. These blocks can be lifted and placed across the road. Five hundred sand bags are stored near by at the Highland water company. The State Emergency Management Agency is constantly monitoring the situation. In spring of 1992 the Lake County Emergency Management Agency, the Town of Highland, the Indiana Dept. of Transportation, and the State Emergency Management Agency will have a flood fight exercise which will include the closing of Indianapolis Blvd.

If there is any problem with following the above plan regarding the Indianapolis Blvd. closure structure, please inform us as quickly as possible as we are proceeding with the design of the project.

Currently the plan is for the Little Calumet River Basin Development Commission to use its funds to construct and maintain this interim flood control project. The Commission is also the local sponsor of the U.S. Army Corps of Engineers flood control project on the Little Calumet River.

The Division of Water continues to work toward the interim flood control project so that the residents of the Wicker Park Manor subdivision can return to their homes. We will continue working with you and your staff to accomplish this. If you have any questions, please call Mr. Siavash E. Beik P.E., Assistant Director of Division of Water, at telephone number (317) 232-4224.

Sincerely,



John N. Simpson, P.E.
Director
Division of Water

JNS/RW/

Enclosure

FILE: BROWER/WP:PD

MEMORANDUM OF UNDERSTANDING
BETWEEN
INDIANA DEPARTMENT OF TRANSPORTATION
AND
INDIANA DEPARTMENT OF NATURAL RESOURCES

WHEREAS: On November 27 & 28, 1990 floodwaters seriously damaged 267 structures in the Wicker Park Manor Subdivision in Highland, Indiana;

WHEREAS: The Little Calumet River Flood Control Project by the U.S. Army Corps of Engineers is not expected to be completed in this area until 1995;

WHEREAS: The State of Indiana desires to construct some interim flood control works so that the residence of Wicker Park Manor Subdivision can rehabilitate their homes;


IT IS THEREFOR MUTUALLY AGREED THAT:

The Indiana Department of Transportation will change the construction schedule of the U.S. Hwy. #41 bridge over the Little Calumet River, which has been authorized and funded, from 1995 to 1993 so that it can become a permanent closure structure for the interim flood control project of the State and for the future Little Calumet Flood Control Project of the U.S. Army Corps of Engineers; and

The Indiana Department of Natural Resources will develop plans and specifications to strengthen the existing spoil bank levee and will cooperate with the Little Calumet River Basin Development Commission in the construction of such strengthening works in 1992.


John J. Dillon
Commissioner
Dept. of Transportation

Date November 26, 1991


Patrick R. Ralston
Director
Dept. of Natural Resources

Date 12/17/91



INDIANA DEPARTMENT OF NATURAL RESOURCES

PATRICK R. RALSTON, DIRECTOR

Division of Water
402 W. Washington St., Rm. W264
Indianapolis, Indiana 46204-2212
317-232-4160
FAX: 317-233-4579

January 17, 1992

Lt. Col. Randall R. Inouye
Chicago District Engineer
U.S. Army Corps of Engineers
111 N. Canal Street
Chicago, IL 60606

Dear Lt. Col. Inouye:

This is to inform you of the status of the Wicker Park Manor subdivision interim flood control project at Highland, Indiana. The design contract with SEG Engineers & Consultants, Inc. is in the process of being signed. A meeting was held with the consultant on January 15, 1992 for the purpose of discussing what will be designed which resulted in the following.

The project will follow the alignment along the south side of the Little Calumet River as shown in the General Design Memorandum, Phase II.

The reach between the 81st Street pumping station and the Penn. Central R.R. on the east side of the subdivision will be a combination earth levee base and sheet piling. The existing spoil bank will be cleared, grubbed and shaped to a 2.5 to 1.0 side slopes and a 12 foot top width. We believe that incorporating the existing spoil bank into the new levee base is in agreement with the Corp's memorandum dated 7 November 1991 which stated that it was the Corp's opinion that the existing levee material found in borings B-1 through B-4 can be reused in future levee construction after a thorough clearing, grubbing, and stripping of existing vegetation.

In the reach from the 81st Street pumping station westward to Indianapolis Blvd., there is no spoil bank along the proposed alignment. A full earth levee to the dimensions contained in the General Design Memorandum, Phase II will probably be built in this reach.

A surface water collection drain is being considered along the landward toe of the levee.

In the reach from Indianapolis Blvd. westward to the abandoned railroad, the existing spoil will be removed down to the adjacent grade as recommended in the 7 November 1991 memorandum. A full earth levee to the dimensions of the General Design Memorandum, Phase II will probably be built in this reach.

"EQUAL OPPORTUNITY EMPLOYER"



ATTACHMENT C

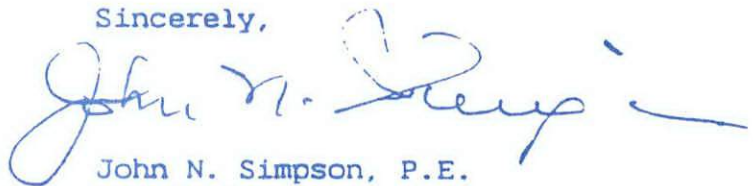
Lt. Col. Inouye
January 17, 1992
Page Two

We also will be in contact with FEMA regarding the abandoned railroad fill on the west side of the project. I realize that this area is south of the Corp's proposed levee and therefor may not be of any interest to you.

We still have not received a reply from the Detroit District Corps of Engineers regarding the use of your 404 permit for the interim flood control project. They are being contacted again since we feel that the use of that land is a very critical consideration for detailed design.

We plan to keep you fully informed as the project progresses and we will establish a meeting with the Corps when the detailed design is fifty percent complete. If you see anything which will not insure that our design will be acceptable for incorporation into final design so that the Little Calumet River Basin Development Commission will receive maximum reimbursement under Section 215, please let me know immediately.

Sincerely,

A handwritten signature in blue ink, appearing to read "John N. Simpson", with a long horizontal flourish extending to the right.

John N. Simpson, P.E.
Director
Division of Water

JNS/RW:cf

cc:
Beldon McPheron
Dan Gardner
Dean Ogan
John Bach

FILE: MCPHERON/WP:PD

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION

MERCANTILE NATIONAL BANK

JANUARY 1, 1991 - DECEMBER 31, 1991

CASH POSITION - JANUARY 1, 1991

CHECKING ACCOUNT		
LAND ACQUISITION	190,340.89	
GENERAL FUND	117,719.92	
TAX FUND	1,792.04	
INVESTMENTS	916,500.00	
	-----	1,226,352.85

RECEIPTS - JANUARY 1, 1991-DECEMBER 31, 1991

LEASE RENTS	66,367.57	
INTEREST	76,128.21	
LAND ACQUISITION	515,630.84	
TAX FUND	4,104.50	
MISCELLANEOUS	8,596.51	
LITTLE CALUMET RIVER BASIN FUNDS	219,651.49	
TOTAL RECEIPTS	-----	890,479.12

DISBURSEMENTS - JANUARY 1, 1991-DECEMBER 31, 1991

1990 EXPENSES PAID IN 1991	17,995.93	
ADMINISTRATIVE SERVICES		
PER-DIEM EXPENSES	3,200.00	
LEGAL SERVICES	5,921.13	
NIRPC	59,316.04	
TRAVEL & MILEAGE	1,636.65	
PRINTING & ADVERTISING	1,479.65	
BONDS & INSURANCE	6,473.00	
MEETING EXPENSE	1,638.89	
L/A PROFESSIONAL SERVICES		
LEGAL SERVICES	32,901.51	
APPRAISAL SERVICES	5,060.00	
ENGINEERING SERVICES	12,374.50	
LAND PURCHASE CONTRACTUAL SERVICES	21,289.18	
LAND MANAGEMENT SERVICES	66,212.79	
OPERATIONAL SERVICES	37,958.70	
SURVEYING SERVICES	198.00	
MISCELLANEOUS EXPENSES	627.43	
L/A PROPERTY/STRUCTURES		
PROPERTY & STRUCTURES ACQUISITIONS	303,462.01	
MOVING & RELOCATION	32,155.00	
TAXES	4,487.59	
PROPERTY STRUCTURE INSURANCE	15,139.50	
LAND CAP IMPROVEMENT	9,337.26	
STRUCTURE CAP IMPROVEMENT	1,525.82	
TOTAL DISBURSEMENTS :	-----	640,390.58

CASH POSITION - DECEMBER 31, 1991

CHECKING ACCOUNT		
LAND ACQUISITION	125,840.40	
GENERAL FUND	68,026.65	
TAX FUND	2,922.85	
INVESTMENTS	1,273,757.68	
	-----	1,476,441.39



**NORTHWESTERN INDIANA
REGIONAL
PLANNING COMMISSION**

8149 Kennedy Ave
Highland, Indiana 46322

219-923-1060
312-731-2646

DATE: JANUARY 17, 1992

CONTRACT NO: P1.06

CONTRACT CODE: 952.

ORGANIZATION: LITTLE CALUMET RIVER BASIN
DEVELOPMENT COMMISSION

PROJECT: FOR SERVICES PERFORMED DURING DECEMBER, 1991 INVOICE NO: 12/12

I N V O I C E

SALARIES AND FRINGE BENEFITS: DAN GARDNER & SANDY MORDUS	\$ 5,000.00
ROOM RENTAL FOR ADDITIONAL LCRBDC STAFF	375.00
ACCOUNTING SERVICES	150.00
TELEPHONE: LOCAL SERVICE	90.00
TELEPHONE: BILLABLE CHARGES (ATTACHMENTS)	84.09
POSTAGE	19.47
COPYING CHARGES @ \$.05 PER COPY	78.00
GRAPHICS/PRINTING TIME : \$18.00 PER HOUR (ATTACHMENTS)	-0-
STAFF MILEAGE/EXPENSES	-0-
OTHER CHARGES (ATTACHMENTS) SUPPLIES	31.88
TOTAL DECEMBER, 1991	\$ 5,828.44
OUTSTANDING PAYMENT DUE	-0-
TOTAL PAYMENT DUE	\$ 5,828.44



Tenney Pavoni Associates, Inc.

— formerly —
TenEch Engineering, Inc.

Mark W. Tenney, Sc.D., P.E.
Joseph L. Pavoni, Ph.D. P.E.

R. Dean Collins, P.E., S.E.
Marcus J. Rice, P.E., S.E.
Joseph E. Crowe, P.E.
Richard L. Clevidence, P.E.
Gary T. Boblitt, P.E.
Robert A. Hawkins, P.E.
Michael G. Berry, P.E., S.E.
John H. Murphy, C.P.A.

Stephen W. Keiber, P.E.
Randy J. Lindley, P.E.
Richard G. Davis, P.E., L.S.
Mark E. Sparks, P.E.
Zeyn B. Uzman, P.E., S.E.
Michael E. Kerr, P.E.
Michael D. Cummins, P.E., S.E.

January 10, 1992
Highland, Indiana

Little Calumet River
Basin Development Commission
8149 Kennedy Avenue
Highland, Indiana 46322

ATTN: Mr. Dan Gardner, Executive Director

Dear Commissioners:

Please be advised that Tenney Pavoni Associates has received and inspected the work performed by Dyer Construction Company at the Culvert Installation beneath Conrail Railroad, and it is TPA's opinion that the contractor has completed 90% of his contractual obligations.

Based on this, it is TPA's recommendation that the pay request (Invoice 4602) be released to Dyer Construction.

If you have any questions please contact the undersigned at (219) 922-8510.

Sincerely,

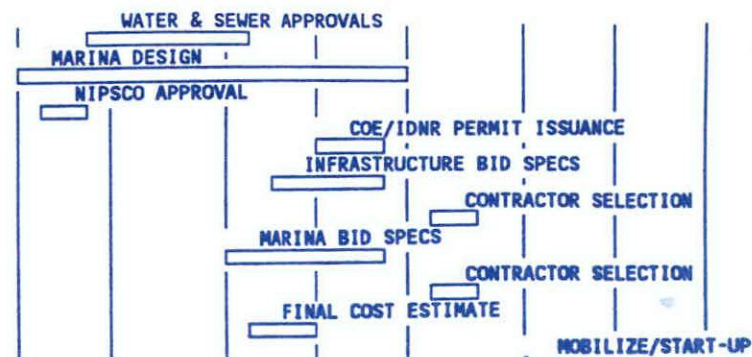

Peter J. Zolkes

PJZ:jr
658:Culverts
cc: Mike Kerr, TPA
Dyer Construction Company

[illegible]

26

5. WATER & SEWER APPROVALS
6. MARINA DESIGN
7. NIPSCO APPROVAL
8. COE/IDNR PERMIT ISSUANCE
9. INFRASTRUCTURE BID SPECS
10. CONTRACTOR SELECTION
11. MARINA BID SPECS
12. CONTRACTOR SELECTION
13. FINAL COST ESTIMATE
14. MOBILIZE/START-UP



LEGEND

ACTIVITY DESCRIPTION

△ MILESTONE

HIGHLIGHTED

RUN DATE	21JAN92	THE ABONMARCHÉ GROUP 95 WEST MAIN STREET BENTON HARBOR, MICHIGAN 49022 (616) 927-2295
BASE DATE	06JAN92	
FILE NAME:	89148LCR	
CUSTOMGANTT PLUS		

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
MONTHLY BUDGET REPORT
JANUARY 31, 1992

ACCOUNT	DESCRIPTION	BUDGET AMOUNT	AMOUNT PAID PREVIOUSLY	UNPAID BALANCE	AMOUNT READY FOR PAYMENT	PROJECTED BALANCE
5119	PER DIEM EXPENSES	\$16,000.00	0.00	16,000.00	100.00	\$15,900.00
5311	LEGAL EXPENSES	7,500.00	0.00	7,500.00	283.33	7,216.67
5312	NIRPC SERVICES	94,000.00	0.00	94,000.00	5,828.44	88,171.56
5323	TRAVEL & MILEAGE	7,500.00	0.00	7,500.00	8.00	7,492.00
5331	PRINTING & ADVERTISING	2,000.00	0.00	2,000.00	14.25	1,985.75
5341	BONDS & INSURANCE	7,500.00	0.00	7,500.00	0.00	7,500.00
5361	EMERGENCY MAINTENANCE COSTS	3,000.00	0.00	3,000.00	0.00	3,000.00
5399	MEETING EXPENSES	2,500.00	0.00	2,500.00	36.00	2,464.00
5410	LEGAL SERVICES	50,000.00	0.00	50,000.00	3,344.00	46,656.00
5420	PROFESSIONAL SERVICES	250,000.00	0.00	250,000.00	14,299.70	235,700.30
5430	PROJECT LAND PURCHASE COSTS	3,902,705.00	0.00	3,902,705.00	10.00	3,888,405.30
5440	PROPERTY/STRUCTURES INSURANCE	25,000.00	0.00	25,000.00	0.00	25,000.00
5450	UTILITY RELOCATION COSTS	100,000.00	0.00	100,000.00	0.00	100,000.00
5460	PROJECT LAND CAPITAL IMPROVEMENTS	150,000.00	0.00	150,000.00	0.00	150,000.00
5470	STRUCTURES CAPITAL IMPROVEMENT	40,000.00	0.00	40,000.00	0.00	40,000.00
5480	BURNS WATERWAY BREAKWATER	44,000.00	0.00	44,000.00	0.00	44,000.00
5490	ESCROW ACCOUNT	908,000.00	0.00	908,000.00	0.00	908,000.00
TOTAL:		\$5,609,705.00	\$0.00	\$5,609,705.00	\$23,923.72	\$5,571,491.58

CLAIMS READY FOR PAYMENT

ACCOUNT	VENDOR NAME	AMOUNT	EXPLANATION OF CLAIM
5119	ARLENE COLVIN	50.00	PER DIEM EXPENSES INCURRED ON 11-18-91
5119	WILLIAM TANKE	50.00	PER DIEM EXPENSES INCURRED ON 9/25/91
5311	LOUIS M. CASALE	283.33	RETAINER FEE MONTH OF DECEMBER 1991
5312	NIRPC	5,828.44	FOR SERVICES PERFORMED DURING NOVEMBER 1991
5323	WILLIAM TANKE	8.00	MILEAGE EXPENSES INCURRED 1/3-12/5/91
5331	GRAPHIK DIMENSIONS LTD	14.25	COST INCURRED FOR OFFICE SUPPLIES
5399	RIGBY'S	23.00	MEETING EXPENSES INCURRED ON 12/5/91
5399	SANDY MORDUS	13.00	REIMBURSEMENT FOR MEETING EXPENSES ON 1-16-92
5410	LOUIS M. CASALE	3,344.00	LAND ACQUISITION LEGAL SERVICES 1/2-27/92
5423	CHICAGO TITLE INSURANCE CO	495.00	TITLE WORK INCURRED ON LCRBDC PROPERTY
5423	COLE & ASSOCIATES	2,261.50 **	ENGINEERING SERVICES RE: FLOOD CONTROL & RECREATION PROJECT
5423	CONSOLIDATED RAIL CORPORATION	1,731.63	COST INCURRED RE: INSTALLATION OF PIPE IN EAST GARY
5423	CONSOLIDATED RAIL CORPORATION	1,849.94	COST INCURRED RE: INSTALLATION OF PIPE IN EAST GARY
5423	TENNEY PAVONI ASSOCIATES, INC.	6,216.00	ENGINEERING SERVICES FOR CULVERT INSTALLATION
5424	BRIAN BLACKMORE	157.50	LAND ACQUISITION/MANAGEMENT SERVICES RENDERED 1/9-17/92
5424	BRIAN BLACKMORE	175.00	LAND ACQUISITION/MANAGEMENT SERVICES RENDERED 1/21-30/92
5424	ROBERT B. STOUFFER	729.75	LAND ACQUISITION/MANAGEMENT SERVICES RENDERED 1/21-28/92
5424	ROBERT B. STOUFFER	683.38	LAND ACQUISITION/MANAGEMENT SERVICES RENDERED 1/9-20/92
5431	TIMOTHY IVORY	10.00	COST INCURRED RE: CONSIDERATION OF OPTION DC187
		23,923.72	

** APPROVAL CONTINGENT ON FURTHER REVIEW OF LCRBDC STAFF

2 JUNE 8-92 - 2

ATTENDANCE ROSTER

Name of meeting: LCRBDC

Date: 2-6-92

	NAME (please print)	Organization and/or Address	
1	Jodi Dickey	Lake County Parks	1
2	LEON F. WELLS	" " HWY. DEPT.	2
3	EDW. A. LUKOWSKI, JR	HAMMOND, IN.	3
4	Ronald R Shapiro	8230 Wicks PK- Dr.	4
5	Pete Zed	So. Shore Moving Inc.	5
6	Dean Ogan	State Emergency Mgt Agency	6
7	MIKE KOPR	TPA	7
8	Siavach Beik	DNR - water	8
9			9
10	Jim Flora		10
11	Les Buschman		11
12			12
13			13
14			14
15			15
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28			28
29			29
30			30
31			31

Chairman: Arlene Colvin

Location:

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
MONTHLY BUDGET REPORT
FEBRUARY 29, 1992

ACCOUNT	DESCRIPTION	BUDGET AMOUNT	AMOUNT PAID PREVIOUSLY	UNPAID BALANCE	AMOUNT READY FOR PAYMENT	PROJECTED BALANCE
5119	PER DIEM EXPENSES	\$16,000.00	100.00	15,900.00	0.00	\$15,900.00
5311	LEGAL EXPENSES	7,500.00	283.33	7,216.67	283.33	6,933.34
5312	NIRPC SERVICES	94,000.00	5,828.44	88,171.56	6,233.48	81,938.08
5323	TRAVEL & MILEAGE	7,500.00	8.00	7,492.00	31.00	7,461.00
5331	PRINTING & ADVERTISING	2,000.00	14.25	1,985.75	13.00	1,972.75
5341	BONDS & INSURANCE	7,500.00	0.00	7,500.00	0.00	7,500.00
5361	EMERGENCY MAINTENANCE COSTS	3,000.00	0.00	3,000.00	0.00	3,000.00
5399	MEETING EXPENSES	2,500.00	36.00	2,464.00	0.00	2,464.00
5410	LEGAL SERVICES	50,000.00	3,344.00	46,656.00	3,426.00	43,230.00
5420	PROFESSIONAL SERVICES	250,000.00	13,893.88	236,106.12	50,459.11	185,647.01
5430	PROJECT LAND PURCHASE COSTS	3,902,705.00	10.00	3,902,695.00	1,735.00	3,900,960.00
5440	PROPERTY/STRUCTURES INSURANCE	25,000.00	0.00	25,000.00	0.00	25,000.00
5450	UTILITY RELOCATION COSTS	100,000.00	0.00	100,000.00	0.00	100,000.00
5460	PROJECT LAND CAPITAL IMPROVEMENTS	150,000.00	0.00	150,000.00	3,740.00	146,260.00
5470	STRUCTURES CAPITAL IMPROVEMENT	40,000.00	0.00	40,000.00	0.00	40,000.00
5480	BURNS WATERWAY BREAKWATER	44,000.00	0.00	44,000.00	0.00	44,000.00
5490	ESCROW ACCOUNT	908,000.00	0.00	908,000.00	0.00	908,000.00
TOTAL:		\$5,609,705.00	\$23,517.90	\$5,586,187.10	\$65,920.92	\$5,520,266.18
5500	LCRBC FUNDS-CULVERT INSTALLATION	220,479.55	215,475.00	5,004.55	38,025.00	(33,020.45)

C L A I M S R E A D Y F O R P A Y M E N T

ACCOUNT	VENDOR NAME	AMOUNT	EXPLANATION OF CLAIM
5311	LOUIS M. CASALE	283.33	RETAINER BILLING FOR FEBRUARY, 1992
5312	NIRPC	6,233.48	FOR SERVICES PERFORMED DURING JANUARY 1992
5323	DAN GARDNER	31.00	MILEAGE EXPENSES INCURRED ON 2/10 - 2/26/92
5331	FEDERAL EXPRESS CORPORATION	13.00	COST INCURRED FOR SERVICES RENDERED ON 1/28/92
5410	LOUIS M. CASALE	3,426.00	LAND ACQUISITION LEGAL SERVICES
5421	HAROLD WHEELER	250.00	FOR APPRAISAL SERVICES RENDERED RE: KENSEY CONDEMNATION
5421	LAKE COUNTY CLERK	1,100.00	COST INCURRED RE: CONDEMNATION OF KENSEY PROPERTY
5421	MILO VALE	250.00	FOR APPRAISAL SERVICES RENDERED RE: KENSEY CONDEMNATION
5421	MILO VALE	1,000.00	FOR APPRAISAL SERVICES RENDERED ON NIPSCO PROPERTY IN PORTER COUN
5422	ABONMARCHE	9,000.00	ENGINEERING SERVICES RENDERED THROUGH 2/28/92
5422	ABONMARCHE	3,000.00	ENGINEERING SERVICES RENDERED THROUGH 2/17/92
5422	R.W. ARMSTRONG & ASSOC. INC.	1,337.28	ENGINEERING SERVICES RENDERED THROUGH 1/24/92
5422	WARREN METZ	250.00	FOR APPRAISAL SERVICES RENDERED RE: KENSEY CONDEMNATION
5423	CHICAGO TITLE INSURANCE CO.	255.00	TITLE WORK INCURRED ON DC 187
5423	CHICAGO TITLE INSURANCE CO.	10.00	TITLE WORK INCURRED ON DC 52
5424	BRIAN BLACKMORE	247.50	LAND ACQUISITION/MANAGEMENT SERVICES RENDERED 2/18 - 3/5/92
5424	BRIAN BLACKMORE	228.75	LAND ACQUISITION/MANAGEMENT FOR SERVICES RENDERED ON 2/4-13/92
5424	ROBERT B. STOUFFER	510.13	LAND ACQUISITION/MANAGEMENT FOR SERVICES RENDERED ON 2/20-3/5/92
5431	TIMOTHY IVORY	10.00	COST INCURRED RE: CONSIDERATION OF OPTION DC 187
5431	TIMOTHY IVORY	1,725.00	PURCHASE PRICE OF PROPERTY DC 187
5460	NIMETZ TRUCKING	3,740.00	DEMOLITION OF PROPERTY AT 3302 COLFAX STREET GARY, INDIANA AS BID
5470	DYER CONSTRUCTION	33,020.45	CULVERT INSTALLATION--BALANCE DUE ON CONTRACT
		65,920.92	
5500	DYER CONSTRUCTION	5,004.55	CULVERT INSTALLATION (BALANCE OF FUNDING IN LCRBC ACCOUNT)