



Little Calumet River Basin Development Commission

6100 Southport Road

Portage, Indiana 46368

(219)763-0696
Fax (219)762-1653

WILLIAM TANKE, Chairman
Porter County's Commissioners' Appointment

ROBERT HUFFMAN, Vice Chairman
Governor's Appointment

GEORGE CARLSON, Treasurer
Mayor of Hammond's Appointment

ROBERT TRELO, Secretary
Governor's Appointment

CHARLES AGNEW
Governor's Appointment

ROGER CHIABAI
Governor's Appointment

ARLENE COLVIN
Mayor of Gary's Appointment

STEVE DAVIS
Dept. of Natural Resources' Appointment

EMERSON DELANEY
Governor's Appointment

JOHN DEMEO
Governor's Appointment

NATHANIEL LEONARD
Lake County Commissioners' Appointment

DAN GARDNER
Executive Director

LOUIS CASALE
Attorney

MEETING NOTICE

**THERE WILL BE A MEETING OF THE
LITTLE CALUMET RIVER BASIN DEVELOPMENT
COMMISSION
AT 6:30 P.M. THURSDAY, NOVEMBER 7, 1996
AT THE COMMISSION OFFICE
6100 SOUTHPORT ROAD
PORTAGE, IN**

A G E N D A

1. Call to Order by Chairman William Tanke
2. Pledge of Allegiance
3. Recognition of Visitors, Guests
4. Approval of minutes of October 3, 1996
5. Chairman's Report
 - Appointment of Nominating Committee for 1997 officers
6. Executive Director's Report
 - Upcoming briefing for Col. Van Epps on 11/8
 - Upcoming engineering meeting at Chicago COE on 11/20
 - Consideration of NAFSMA membership

1-3

*Need 19 chairs
black slacks
gm. tired w/ jacket*

7. Reports of Standing Committees

A. Land Acquisition/Management Committee - Chuck Agnew, Chairman

- ☒ Appraisals, offers, acquisitions, recommended actions
- ☒ Corps Real Estate meeting held October 30, 1996
- ☒ Action needed on filing of condemnations
- ☒ Letter from Gary Park Dept. requesting amount of funding available for greenhouse
- ☒ COE letter outlining agreements for Lake Etta recreation contract
 - Approval of Memorandum of Agreement
- ☒ Approval to sign R/E for Stage IV-2B and Recreation Phase I
- ☒ Other issues

4
5-6
7-11
12

B. Project Engineering/Construction Committee - Robert Huffman, Chairman

- ☒ INDOT letter documenting costs of bridge replacements
- ☒ Project engineering meetings held this month:
 - 10/4 Meeting with Woodmar County Club "Plan in Hand" walk-thru for Stage V-3
 - 10/9 Meeting with Lake County Parks/COE to review the Deep River borrow site and Lake Etta recreation work
- ☒ Other issues

13-15

C. Legislative Committee - Robert Trelo, Chairman

- ☒ Legislative mailing documenting budget request will be mailed out before Session begins

D. Marina Development Committee - Bill Tanke, Chairman

- ☒ Portage Public Marina update
- ☒ Other issues

E. Finance/Policy Committee - George Carlson, Treasurer

- ☒ Financial status report
- ☒ Approval of claims for October 1996
- ☒ COE withdrawal letter of \$500,000 from design escrow fund
- ☒ Other issues

16-17
18-19
20

8. Other 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 6:30 P.M. THURSDAY, OCTOBER 3, 1996
AT THE HIGHLAND TOWN HALL
3333 RIDGE ROAD
HIGHLAND, INDIANA

- - - - -
Chairman William Tanke called the meeting to order at 6:35 p.m. Eight (8) Commissioners were present. Pledge of Allegiance was recited. Quorum was declared and guests were recognized.

Development Commissioners:

Robert Huffman
William Tanke
Robert Trelo
Steve Davis
Roger Chiabai
Charles Agnew
George Carlson
Arlene Colvin

Visitors:

Jim Flora - RWarstrong
Herb Read - Izaak Walton
Denis Buksa - 15 River Dr, Munster
Pete Zak - South Shore Marina
Mary Jane Zak "

Staff:

Dan Gardner
Lou Casale
Melissa Stefanovich
James Pokrajac
Sandy Mordus

The minutes of the September 5, 1996 meeting were approved by a motion from Charles Agnew; motion seconded by George Carlson; motion passed unanimously.

Executive Director's Report - Mr. Gardner informed the Board that staff is continuing to work with Gary to obtain necessary lands needed for the project area. We are attempting to obtain approval for vacating certain streets needed. Staff received a letter from Councilman Pratt requesting withdrawal of certain properties from the street vacation request, mainly the Medical Center's lots. We have complied to that request. We continue to support the City's request to be able to develop as much land as possible outside the levee system within the City.

Mr. Gardner also reported that he attended a meeting that the LMMDC had with Detroit COE. Detroit COE is the permitting agency, not the Chicago office. Focus was on Lake Michigan. Mr. Gardner gave an overview of the Portage permitting status. The Detroit Colonel did get a chance to view the marina and was very pleased. The Mayor is seeking \$1.5 million from the legislature in this biennium to develop Phase 2 of the marina. Further topics included discussion on erosion, harbor dredging and permits re. wetlands.

Land Acquisition Committee - Committee Chairman Chuck Agnew made a motion to file condemnation on five properties: DC185, DC272, C 284, DC560 and DC562; motion seconded by Robert Trelo; motion passed unanimously.

Mr. Agnew thanked staff for arranging the van tour of Commission owned properties that took place September 21st. The magnitude of the project construction going on since our last tour was overwhelming. We toured properties from Indianapolis Blvd. in Hammond/Highland to Martin Luther King Drive in Gary. Since several Commissioners could not participate in this tour, it was discussed that we would not wait so long before scheduling another tour.

Project Engineering Committee - Committee Chairman Bob Huffman gave the engineering report and reported on meetings held this last month. There was a meeting on 8/30 with Griffith to further discuss the levee construction proposal between Cline Avenue and Arbogast. On 9/10 a meeting was held with North Township (Wicker Park, Munster, Highland and Hammond as to their impact by V-2 construction and review of the 100% complete plans. Staff met with the Gary Common Council on 9/11 to re-review the request for street vacates. Our request has been assigned to committee for discussion and recommendation. We need to get this issued resolved. On 9/18 a meeting was held with those involved in the REC 1 final review for Lake County Parks (Lake Etta), City of Gary (Gleason Park) and Hammond (OxBow).

Legislative Committee - Committee Chairman Robert Trelo referred to the COE request letter for \$800,000 for FY97 to be placed in the construction escrow account. Mr. Trelo then made a motion directing staff to request the next \$2 million of 1991/93 Build IN Funds be made available for drawdown so that it is in place to start using; motion seconded by George Carlson; motion passed unanimously.

Mr. Trelo reported that the Senate has just passed approval on the \$11 million Federal request for FY97. The House had previously approved it. The President is expected to sign the bill. Mr. Gardner added that Little Cal has the largest single item in the Federal budget listed to the State of Indiana. Mr. Huffman questioned what the line item of \$200,000 on Cady Marsh Ditch was and he was informed it is for engineering money to complete the study.

Marina/Breakwater Committee - Committee Chairman Bill Tanke gave the Marina report. Mr. Tanke made a motion to pay the first interest installment due of \$14,387.30 to NBD from the Marina Sinking Account; motion seconded by Arlene Colvin; motion passed unanimously. He then made a motion to approve the payment of \$715 to Halm Building Specialties for the bronze plaque for the marina building; motion seconded by Chuck Agnew; motion passed unanimously. Mr. Tanke added that the city has put in a request to this legislative session for funding to do a Phase 2 of the marina site. At present, there is no money to expand any more slips at the marina. Also, another Detroit COE permit would be needed.

Finance/Policy Committee - Treasurer George Carlson gave the financial report. Mr. Carlson made a motion to approve the financial status statement for August and approve the claims for payment totaling \$64,799.99; motion seconded by Bob Huffman; motion approved unanimously. Mr. Carlson referred to the COE letter requesting NBD Bank to release \$48,000 from the design escrow account and a second request letter for \$57,000 to be released from the construction account. These amounts now deplete the escrow accounts.

Other Business - Mr. Gardner added that we received a letter from State Representative Ralph Ayres acknowledging the Commission's letter request of \$4 million. Discussion took place on a presentation or briefing that can be scheduled to update the legislators on the project status. Mr. Huffman inquired as to what percentage the project is complete. Mr. Gardner replied he thought about 30% but we will ask the COE for that figure.

Statements from the floor - Herb Read from Izaak Walton League talked about the recent flood data that should have been available by now to show downstream impact from project. Mr. Gardner stated that this is the reason a remediation area is needed - to help alleviate impact. Mr. Read's concern is saving the existing floodplain that is now there. He does not like converting low lands from flood storage. He reminded the Commission that recreation should still take a high priority, as it did once before in the original study. Mr. Gardner informed him that the first recreation contract will be let this spring. It includes Gleason Park area, Lake Etta, Oxbow area and trails, canoe launch, overlooks. Landscaping and plantings is going on right now on the finished levees. Discussion took place on the connecting trail system.

There being no further business, the next regular Commission meeting was scheduled for Thursday, November 7, 1996 in Portage.

/sjm

THE LAW OFFICE OF
GREGORY S. REISING

Elva Redigonda,
Legal Secretary

607 South Lake Street
Suite A
Gary, IN 46403

Telephone (219) 938-8080
FAX (219) 938-1341

October 22, 1996

Dan Gardner, Ex. Dir.
L.C.R.B.D.C.
6100 Southport Rd.
Portage, IN 46368

Re: Little Calumet Project

Dear Dan:

Enclosed is a letter to Gary Redevelopment and a copy of the first page of each document. I would like to have a fully executed copy of all agreements between the Gary Park Department and the Commission.

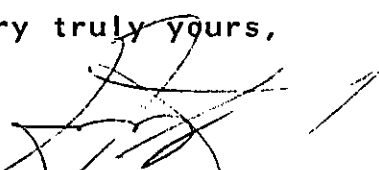
I will make same into a permanent record for the Park Department.

Also, please confirm as to whether or not the \$11,500.00 mentioned by you in document #1 is included in your budget estimate of August 29, 1996. I do not believe it was.

I compute the budget for the greenhouse as:

	\$157,595.24	as computed by you 8/22/96
plus	6,800.00	as agreed eliminating the 7/5/94 and 9/26/94 earth source billing
plus	11,500.00	from your 3/11/96 letter
TOTAL:	\$175,895.24	as of today's date.

Very truly yours,


GREGORY S. REISING

CSR/er
Encls.

cc: Fred Ware, Director (letter only)
Board File (letter only)



DEPARTMENT OF THE ARMY

CHICAGO DISTRICT, CORPS OF ENGINEERS

111 NORTH CANAL STREET

CHICAGO, ILLINOIS 60606-7206

9 October 1996

REPLY TO
ATTENTION OF

Program and Project
Management Branch

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

Dear Mr. Gardner:

This letter is written to document the agreements reached in a meeting held in your offices on 9 October 1996 with the Little Calumet River Basin Development Commission, Lake County Parks and the COE. This meeting was held to resolve the outstanding issues regarding Recreation Contract 1. The following are the issues discussed and the agreements:

a) Lake County requested that they will work out an agreement with the LCRBDC to share in funding the "Parking Lot Expansion" at a cost not to exceed \$47,000. This work will be performed by the COE as a betterment. The LCRBDC will sign an MOU with the COE to fund this betterment. Lake County Parks requested that the "Parking Lot Expansion" be included in the bid package as an "Option". This will give them the right to delete this work from the contract if the contract cost is higher than the estimated cost. In addition, they requested that if the "Parking Lot Expansion" is deleted from the contract, the COE Lake Etta parking lot will also be deleted. Lake County agreed that if the COE parking lot is deleted from this contract, it will be deleted from the project. The COE agreed to proceed in accordance with Lake County requests.

b) The LCRBDC will sign an MOU with the COE that support the following costs:

Design cost	\$7,500
Construction admin. cost	\$3,600
Construction cost	\$36,000

The LCRBDC agreed that they will deposit the design money ASAP so that the COE can perform the design and still meet their award schedule for this contract. In addition, the LCRBDC will insure that the construction money is available to the COE before the advertized date of this project, which is projected in December 1996.

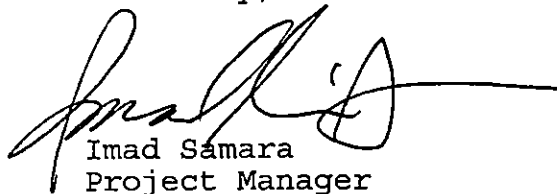
5

c) The COE agreed to reevaluate the drainage in the Lake Etta parking lot shown in the COE's Recreation 1 plans. The COE will evaluate if sheet flow will be more economical to construct than what is shown. Lake County agreed that the COE will not change any of the geometry of the parking lot. It was also agreed that the bus circulation will be from the area that is designated as bus parking in the COE's plan. This area will not be designated as bus parking and instead will be renamed as "Bus Only One Way".

d) The LCRBDC agreed to get a field survey done that will give existing elevations, tie in with project coordinates, and allow the smooth transition to tie all three (3) parking areas. The COE will coordinate with the LCRBDC and follow the agreed to design elements to finalize the design of the parking areas.

The COE is proceeding in accordance with the above agreed to items. Please if you find anything contradicting to what was agreed to in the meeting and what is mentioned above, let us know ASAP. Please contact the undersigned at (312)353-6400 Ext. 3054.

Sincerely,



Imad Samara
Project Manager

**MEMORANDUM OF AGREEMENT
BETWEEN
THE DEPARTMENT OF THE ARMY
AND
THE LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
FOR CONSTRUCTION OF
NON-FEDERAL IMPROVEMENTS ASSOCIATED
WITH
THE CONSTRUCTION OF THE LITTLE CALUMET RIVER, INDIANA
LOCAL FLOOD PROTECTION AND RECREATION PROJECT**

THIS MEMORANDUM OF AGREEMENT (hereinafter referred to as the "Agreement") entered into this _____ day of _____, 199__ by and between the UNITED STATES OF AMERICA represented by the Department of the Army (hereinafter referred to as the "Government"), acting by and through the Commander, Chicago District, U.S. Army Corps of Engineers, and the LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION, (hereinafter referred to as the "Commission"), acting by and through its Chairperson, effective as of the latest date indicated on the signature page.

----RECITALS----

WHEREAS, construction of the Little Calumet River, Indiana Local Flood Protection and Recreation Project (hereinafter referred to as the "Project"), located on the Little Calumet River between the Illinois - Indiana State line and the Consolidated Rail Corporation railroad crossing in Gary, Indiana, was authorized by § 401 of the Water Resources Development Act of 1986 (P.L. 99-662), approved November 17, 1986, to be constructed substantially in accordance with Plan 3A contained in the Report to the Chief of engineers, dated June 2, 1984, for flood control and recreation purposes; and,

WHEREAS, the Government and the Commission entered into a Local Cooperation Agreement dated August 16, 1990, for the Little Calumet River, Indiana Local Flood Protection and Recreation Project which set forth the scope of the authorized project.

WHEREAS, in conjunction with the Project the Government has been requested to accomplish certain non-Federal work, i.e. recreational features, which are not part of the authorized Project, associated with Lake Etta Park; and,

WHEREAS, the Commission is willing to pay all costs of such work and to voluntarily deposit funds with the Government for that purpose; and,

WHEREAS, the Government under authority of 31 U.S.C. 6505 and 10 U.S.C. 3036(d) can provide reimbursable services to State and local governments; and,

WHEREAS, the Government under authority of 33 U.S.C. § 701(h) is authorized to accept and expend funds received from non-Federal interests to pursue work on behalf of the

non-Federal interests in conjunction with Federal project work when such additional work is determined to be in the public interest.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

1. Subject to any necessary appropriation, the Commission agrees to contribute to the Government the sum of seven thousand, five hundred Dollars (\$7,500) for engineering and design of the Non-Federal Work and thirty nine thousand six hundred Dollars (\$39,600) for construction of the Non-Federal Work referenced in Paragraph 2. Thirty (30) calendar days prior to the initiation of engineering and design, the Government shall notify the Commission of the required payment. Within fifteen (15) calendar days thereafter, the Commission shall deposit with the Government a check in the amount of forty seven thousand, one hundred Dollars (\$47,100), payable to "FAO USAED, Chicago". The Government will draw on such sums as the Government deems necessary to cover all costs incurred by the government directly related to the non-Federal Work which shall include all contractual and in-house fiscal obligations attributable to the work referenced in Paragraph 2 as they are incurred, as well as costs incurred by the Government prior to the initiation of engineering, design and/or construction, (the above financial obligations hereinafter shall be collectively known as the "Costs").

*ask
for
about
change.*

2. The Government shall cause to be undertaken on behalf of the Commission the design, engineering and construction of recreational features associated with Lake Etna Park, i.e: an expansion to the existing parking lot as further provided in the scope of work (enclosure 1), attached hereto and made a part hereof. The above undertakings by the Government shall be collectively identified in this document as the "Work" provided that the Government shall not obligate any funds contributed under this Agreement until such funds are received and available.

3. If at any time during the performance of the Design, Engineering or Construction the Government determines that the Costs will exceed forty seven thousand, one hundred Dollars (\$47,100), the Government shall so notify the Non-Federal Sponsor, and the Non-Federal Sponsor, not later than thirty (30) calendar days from receipt of such notice, may elect to contribute the necessary funds through the funding mechanism specified in Paragraph 1 of this Agreement. Notwithstanding any other provision of this Agreement, if the Government has reason to believe that the Costs will exceed forty seven thousand, one hundred Dollars (\$47,100), subsequent Work shall be deferred until such time as both parties to this Agreement agree to resume the Work.

4. If the bids for construction of the Non-Federal Work exceed thirty nine thousand six hundred Dollars (\$39,600) the Government shall so notify the Non-Federal Sponsor and the Non-Federal Sponsor may elect to either contribute the additional funds according to the mechanism provided in paragraph 3 or terminate the agreement to proceed with construction of the Non-Federal Work prior to the awarding of the construction contract. If the Non-Federal Sponsor elects to terminate the contemplated construction of the Non-Federal Work the

Government shall return the nonexpended funds contributed by the Non-Federal Sponsor for said contemplated construction work in accordance with the mechanism provided in paragraph 7.

5. If the Non-Federal Sponsor elects not to proceed with construction of the Non-Federal Work the Government shall terminate all work on the "Project Feature Parking Lot" further described in Feature Design Memorandum 4 as modified by Recreation 1 Contract Documents, sheets C-10 and C-11 and remove that feature from the Project.

6. The Government shall provide the Commission with annual accountings of its expenditures of contributed funds expended for the Work and in-house charges. The first such accounting shall be provided within thirty (30) calendar days after the final day of the first Government fiscal year following receipt of the contributed funds, and subsequent accountings shall be provided within thirty (30) calendar days after the final day of each succeeding year until the contributed funds are completely expended or the Government concludes the Work.

7. Upon completion of the Work, or upon notification to the Commission by the Government to terminate or not undertake the Work, and further upon the resolution of all relevant claims and appeals, the Government shall compute the total costs of the Work and render to the Commission a final accounting of the final costs of the Work. In the event that the total contribution by the Commission exceeds the total cost of the Work, the Government shall, no later than ninety (90) calendar days after the final accounting is complete return said excess to the Commission.

8. The Commission shall provide, in a form reasonably acceptable and at no cost to the Government, rights-of-entry over such lands as are necessary for the Work prior to the date the contract for the Work is awarded and the cost of any and all permits, whether Federal, State, or local, necessary for completion of the Work as provided in paragraph 2 above.

9. To provide for consistent and effective communication, the Commission and the Government shall, upon execution of the Agreement, appoint representatives to coordinate all facets of the Work, including design, scheduling, plans, award of contracts, contract modifications and change orders, contract costs, claims and other related matters.

10. Nothing herein shall constitute, or be deemed to constitute, an assurance or promise of the Government to take any action whatsoever with respect to the Work or the Project nor to obligate the Government to future appropriations.

11. Before any party to this Agreement may bring suit in any court concerning an issue relating to this Agreement, such party must first seek in good faith to resolve the issue through negotiation or other forms of nonbinding dispute resolution mutually acceptable to the parties.

THE DEPARTMENT OF THE ARMY

**THE LITTLE CALUMET RIVER BASIN
DEVELOPMENT COMMISSION**

BY: _____
ROGER A. GERBER, P.E.
Lieutenant Colonel, U.S. Army
District Engineer

BY: _____
WILLIAM S. TANKE
Chairperson of the Board,
Little Calumet River Basin
Development Commission

ATTEST: _____

DATE: _____

DATE: _____

**SCOPE OF WORK
for
DESIGN AND CONSTRUCTION OF LAKE COUNTY PARK'S
PARKING LOT EXPANSION**

1. The work will include design of an expansion to Lake County Park's parking area at Lake Etna. The expansion will transition into the Federal Parking Lot, to be located southeast of the existing Lake County Park's parking area.
2. In order to accomplish this work, the following tasks are required:
 - a. Prepare "In-Roads" analysis to design final grading plan in transition area and generate cut and fill quantities.
 - b. Revise all CADD drawings and specifications where needed.
 - c. Prepare a Government cost estimate, revise the bid schedule.
 - d. Perform in-house technical reviews of the new Plans & Specifications, respond and revise as needed.
 - e. Define & present required demolition of the existing parking lot features.
 - f. Design Pipe sleeve installation, trench and fill to accommodate future sewer line.
 - g. Landscape specifications, and plans.
 - h. Engineering Supervision.
 - i. Construction Management. (10% of Construction Cost)
3. Total engineering manpower required is 15 Mandays. Labor cost with overhead is \$7,500 for engineering and \$3,600 for construction management. The estimated construction cost is \$36,000. Hence, the total cost for design and construction of the Lake County Park's parking expansion is \$47,100.

octa.sow

Encl # 1



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
CHICAGO DISTRICT, CORPS OF ENGINEERS
111 NORTH CANAL STREET
CHICAGO, ILLINOIS 60606-7206

09 OCT 1996

Real Estate Division

Subject: Recreation, Phase 1 and IV/2b Right-of-Entry (ROE)

Mr. Dan Gardner
Little Calumet River Basin
Development Commission
6100 Southport Road
Portage, IN 46368

Dear Mr. Gardner:

The Corps of Engineers, Project Management would like to advertise Recreation, Phase 1 in November of 96 and award the construction contract in February 97. As you know, we have to have all real estate available, a Right-of-Entry, and Attorney's Certification prior to advertising a project. Request the current status of the required acquisition agreements with the city of Gary, Hammond, and Lake County. We also need legal descriptions, title work, tract numbers, and acreage for appraisal purposes. We will need this information no later than 18 Oct 96 in order to have any chance to complete acquisition and advertise in November of 96. We also understand that there is an agreement to lease back subject lands to the three agencies involved. Please provide COE with copies of these leases prior to execution.

Project Management would also like to advertise Stage IV, Phase 2B in December of 96. We understand that real estate acquisition of all levee tracts is complete for Stage IV, Phase 2B and only a few flowage tracts remain to be acquired. Please provide ROE and Attorney's Certification by 27 Nov 96 for this Stage and Phase.

Further questions may be directed to Emmett Clancy at (312) 353-6400, ext. 5005.

FRANK N. PALMER
Acting Chief, Real Estate Division
Chicago District





INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue

Room N755

Indianapolis, Indiana 46204-2249

(317) 232-5533

FAX: (317) 232-0238

EVAN BAYH, Governor
STAN C. SMITH, Commissioner

Writer's Direct Line:

July 31, 1996

Mr. James Pokrajac
Little Calumet River Basin Development Commission
6100 Southport Road
Portage, Indiana 46368

RE: Small Structure Replacement and Channel
Relocation at I-80 and Georgia Street
at the Little Calumet River
Contract No R-20849

Indianapolis Blvd(US41) Bridge over
Little Calumet River
Contract No. B-21488
all in Lake County

Dear Mr. Pokrajac:

The Indiana Department of Transportation is constructing the two
above mentioned contracts. Per your request, the project bid costs are
as follows:

Contract R-20849 had a bid price of \$ 5,892,704.39.

Contract B-21488 had a bid price of \$ 2,010,410.70.

For further information, please feel free to contact me at
317-232-5354.

Sincerely,

Thomas Caplinger
Highway Engineer Supervisor

TWC/twc

Post-It® Fax Note	7671	Date	7/31/96	# of pages	1
To	Jim Pokrajac	From	Tom Caplinger		
Co./Dept	Little Cal RBD Comm	Co.	INDOT		
Phone #	219-763-0696	Phone #	317-232-5354		
Fax #	219-762-1653	Fax #	317-233-4929		

Printed on Recycled Paper • An Equal Opportunity Employer



TOM LEININGER / THE TIMES

Cars traverse the recently completed half of the bridge across the Little Calumet River, which has been under construction since this summer. Because of the added height of the bridge, commuters need no longer worry about the bridge closing every time the river rises.

Boulevard bridge work half completed

■ The project, considered a boon to motorists, is expected to be finished by Nov. 15.

BY SCOTT D. SMITH
Times Staff Writer

HIGHLAND — Improvements to the Indianapolis Boulevard bridge over the Little Calumet River are allowing nearby residents to breathe a little easier.

Even with the rain Thursday,

Willard Beam, 67, of 2512 River Drive, who suffered \$52,000 worth of flood damage in 1990, said he doesn't fear flooding since "they built the levy a lot higher and the bridge a lot higher."

Wicker Park Estates residents such as Beam can feel even more at ease once the bridge construction is

completed. Workers are filling in the bridge's traffic approaches and completing the levy system, said Highland Public Works Director John Bach.

"Each day they are placing fill on the northbound side and the

See BRIDGE, Page A-5

Bridge

Continued from Page A-1

southbound side of the bridge. So in a couple of days we will be out of the woods, and we won't have to sandbag anymore," Bach said.

In the past, Hammond and Highland were forced to sandbag across the bridge, because the bridge was a low point in the nearby levy system, according to Bach.

But once the new bridge is finished Bach said, "It will be just like Kennedy or Cline Avenue."

Workers began replacing the old bridge, originally built in 1937, in May, and are expected to finish as scheduled on Nov. 15, according to project engineer Robyn Pappenheim from the Indiana Department of Transportation.

Pappenheim said that although the \$2 million state and federally funded project fell behind during the construction of the bridge's two northbound lanes, the work crew has made up lost time during the construction of the southbound lanes.

The remaining work includes building the southbound bridge

supports, deck and approaches, said Pappenheim.

Once this final work is completed, both lanes of the bridge will be open, but some final resurfacing and landscaping might have to be carried over into the spring depending on the weather, said Pappenheim.

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
FINANCIAL STATEMENT
JANUARY 1, 1996 - SEPTEMBER 30, 1996

CASH POSITION - JANUARY 1, 1996

CHECKING ACCOUNT

LAND ACQUISITION	334,183.80
GENERAL FUND	91,970.77
TAX FUND	(5,694.26)
INVESTMENTS	1,016,000.00
ESCROW ACCOUNT INTEREST	83,708.85

1,525,863.42

RECEIPTS - JANUARY 1, 1996 - SEPTEMBER 30, 1996

LEASE RENTS	64,381.83
INTEREST INCOME	19,611.14
ESCROW ACCOUNT INTEREST	4,369.91
KRBC REIMBURSEMENT RE: TELEPHONE CHARGE	1,316.17

TOTAL RECEIPTS

89,679.05

DISBURSEMENTS - JANUARY 1, 1996 - SEPTEMBER 30, 1996

ADMINISTRATIVE

1995 EXPENSES PAID IN 1996	45,365.15
PER DIEM	8,200.00
LEGAL SERVICES	3,995.64
NIRPC	80,660.60
TRAVEL & MILEAGE	5,313.15
PRINTING & ADVERTISING	1,386.45
BONDS & INSURANCE	6,275.36
TELEPHONE EXPENSE	6,958.32
MEETING EXPENSE	829.49

LAND ACQUISITION

LEGAL SERVICES	78,846.64
APPRAISAL SERVICES	12,175.00
ENGINEERING SERVICES	137,240.49
LAND PURCHASE CONTRACTUAL	38,634.15
FACILITIES/PROJECT MAINTENANCE SERVICES	38,634.15
LAND MANAGEMENT SERVICES	71,384.34
OPERATIONAL SERVICES	3,349.08
SURVEYING SERVICES	35,662.00
PROPERTY & STRUCTURE COSTS	93,810.12
REAL ESTATE TAXES	3,641.06
PROPERTY & STRUCTURES INSURANCE	21,031.12
UTILITY RELOCATION SERVICES	153,362.75
LAND CAPITAL IMPROVEMENT	60,877.00
STRUCTURAL CAPITAL IMPROVEMENT	405.18

TOTAL DISBURSEMENTS:

908,037.24

CASH POSITION - SEPTEMBER 30, 1996

CHECKING ACCOUNT

LAND ACQUISITION	223,699.20
GENERAL FUND	92,376.80
TAX FUND	87.86
INVESTMENTS	1,016,000.00
ESCROW ACCOUNT INTEREST	88,582.47

1,420,746.33

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION
MONTHLY BUDGET REPORT, AUGUST 1996

		1996							6 MONTH	UNALLOCATED
		BUDGET	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ALLOCATED	BUDGETED
									TOTAL	BALANCE
5801	PER DIEM EXPENSES	16,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16,000.00
5811	LEGAL EXPENSES	7,500.00	283.33	637.33	331.33	283.33	397.33	283.33	2,215.98	5,284.02
5812	NIRPC SERVICES	125,000.00	8,497.40	16,290.33	14,051.93	7,671.47	7,714.20	9,291.09	63,516.42	61,483.58
5821	TRAVEL/MILEAGE	10,000.00	93.00	35.00	10.00	47.25	47.25	0.00	232.50	9,767.50
5822	PRINTING/ADVERTISING	2,000.00	662.55	135.53	0.00	194.37	325.98	169.15	1,487.58	512.42
5823	BONDS/INSURANCE	7,500.00	0.00	276.00	5,565.63	59.68	204.90	0.00	6,106.21	1,393.79
5824	TELEPHONE EXPENSES	6,000.00	606.04	936.50	708.98	701.94	688.80	435.82	4,078.08	1,921.92
5825	MEETING EXPENSES	7,500.00	946.26	285.77	179.45	87.60	21.95	0.00	1,521.03	5,978.97
5838	LEGAL SERVICES	125,000.00	8,848.96	12,134.02	11,416.98	11,354.47	7,643.44	8,011.48	59,409.35	65,590.65
5840	PROFESSIONAL SERVICES	350,000.00	26,485.93	31,122.66	54,856.44	31,050.51	57,937.34	15,030.92	216,483.80	133,516.20
5860	PROJECT LAND PURCHASE EXP.	4,213,763.00	6,819.97	11,693.23	8,431.86	2,000.00	5,405.00	3,025.00	37,375.06	4,176,387.94
5881	PROPERTY/STRUCTURE INS.	25,000.00	518.00	518.00	0.00	18,494.00	0.00	0.00	19,530.00	5,470.00
5882	UTILITY RELOCATION EXP.	1,000,000.00	1,112.10	2,871.70	1,278.80	787.50	13,590.00	0.00	19,640.10	980,359.90
5883	PROJECT LAND CAP. IMPROV.	150,000.00	9,859.50	19,142.50	26,775.00	0.00	0.00	2,130.00	57,907.00	92,093.00
5884	STRUCTURES CAP. IMPROV.	40,000.00	0.00	0.00	0.00	0.00	0.00	264.10	264.10	39,735.90
5891	DNR/SHORELINE SAND FUND	1,053.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,053.00
5892	ESCROW ACCOUNT	712,937.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	712,937.00
		6,799,253.00	64,733.04	96,078.57	123,606.40	72,732.12	93,976.19	38,640.89	\$489,767.21	\$6,309,485.79

		1996							12 MONTH	UNALLOCATED
		BUDGET	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ALLOCATED	BUDGETED
									TOTAL	BALANCE
5801	PER DIEM EXPENSES	16,000.00	3,900.00	0.00	0.00	0.00	0.00	0.00	3,900.00	12,100.00
5811	LEGAL EXPENSES	7,500.00	283.33	1,213.33	517.33	283.33	0.00	0.00	4,513.30	2,986.70
5812	NIRPC SERVICES	125,000.00	8,515.53	8,628.65	8,188.26	8,012.16	0.00	0.00	96,861.02	28,138.98
5821	TRAVEL/MILEAGE	10,000.00	548.50	3,540.95	721.55	6,975.44	0.00	0.00	12,016.94	(2,016.94)
5822	PRINTING/ADVERTISING	2,000.00	367.12	0.00	0.00	222.42	0.00	0.00	2,077.12	(77.12)
5823	BONDS/INSURANCE	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00	6,106.21	1,393.79
5824	TELEPHONE EXPENSES	6,000.00	1,046.45	757.63	680.32	455.68	0.00	0.00	7,018.16	(1,018.16)
5825	MEETING EXPENSES	7,500.00	35.00	115.60	4,207.05	967.35	0.00	0.00	6,846.03	653.97
5838	LEGAL SERVICES	125,000.00	9,454.50	7,493.21	7,594.91	7,997.31	0.00	0.00	91,949.28	33,050.72
5840	PROFESSIONAL SERVICES	350,000.00	42,358.42	38,934.94	41,960.62	20,741.67	0.00	0.00	360,479.45	(10,479.45)
5860	PROJECT LAND PURCHASE EXP.	4,213,763.00	500.00	15,018.14	718.98	4,071.43	0.00	0.00	57,683.61	4,156,079.39
5881	PROPERTY/STRUCTURE INS.	25,000.00	1,880.00	0.00	0.00	0.00	0.00	0.00	21,410.00	3,590.00
5882	UTILITY RELOCATION EXP.	1,000,000.00	3,546.60	682.50	0.00	16,651.08	0.00	0.00	40,520.28	959,479.72
5883	PROJECT LAND CAP. IMPROV.	150,000.00	0.00	0.00	83.36	14,000.00	0.00	0.00	71,990.36	78,009.64
5884	STRUCTURES CAP. IMPROV.	40,000.00	0.00	141.08	127.61	0.00	0.00	0.00	532.79	39,467.21
5891	DNR/SHORELINE SAND FUND	1,053.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,053.00
5892	ESCROW ACCOUNT	712,937.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	712,937.00
		6,799,253.00	72,433.45	76,526.03	64,799.99	80,377.87	0.00	0.00	\$783,904.55	\$6,015,348.45

CLAIMS PAYABLE FOR OCTOBER 1996

ACCT	VENDOR NAME	AMOUNT	EXPLANATION OF CLAIM
5811	LOUIS CASALE	283.33	LEGAL SERVICES FOR OCTOBER 1996
5812	NIRPC	8,012.16	SERVICES RENDERED FOR SEPTEMBER 1996
5821	ALLSTYLE TRAVEL SERVICES	280.00	TRI STATE BUS TICKETS TO O'HARE FOR LCRBDC CONVENTION
5821	SANDY MORDUS	82.44	REIMBURSEMENT OUT OF POCKET FOOD EXPENSES FOR NAFSMA CONF
5821	SANDY MORDUS	15.00	OCTOBER MILEAGE
5821	GEORGE CARLSON	10.00	REIMBURSEMENT FOR TAXI (NAFSMA CONFERENCE)
5821	HOTEL DEL CORONADO	6,588.00	HOTEL COSTS INCURRED FOR NAFSMA CONFERENCE FOR 11 ROOMS
5822	SAND RIDGE BANK	13.00	MAP PURCHASE FOR CONVENTION TRIP
5822	THOMAS L. CARMICHAEL	209.42	COST INCURRED IN LABOR & MATERIALS FOR MARINA PRINTS
5824	GTE NORTH	63.75	MODEM TELEPHONE SERVICE FOR 9/28/96-10/28/96
5824	GTE NORTH	279.47	SERVICE RENDERED 10/16-11/16(KRBC PORTION 156.25)
5824	MCI	112.46	SERVICE RENDERED 9/15/96-10/14/96(KRBC PORTION 33.44)
5825	SAND RIDGE BANK	987.35	COST INCURRED FOR MEETING/DINNER AT NAFSMA CONFERENCE
5838	JAMES M. SPIVAK	300.00	LAND ACQUISITION LEGAL SERVICES 9-25-96 TO 10-30-96
5838	LOUIS CASALE	7,697.31	LAND ACQUISITION LEGAL SERVICES FOR 9-26-96 TO 10-30-96
5842	R. W. ARMSTRONG	3,778.30	ENGINEERING SERVICES FOR PERIOD ENDING 10/18/96
5842	R. W. ARMSTRONG	1,732.50	ADDITIONAL ENGINEERING SERVICES FOR PERIOD ENDING 10/18/96
5849	LAKE COUNTY RECORDERS OFFICE	5.00	COPY OF A.T.I.F. RESOLUTION GARY REDEVELOPMENT
5843	LAKE COUNTY RECORDERS OFFICE	115.00	RECORDING OF DOCUMENTS FOR DC-230,DC-304A,DC-570,DC-350,DC-276,DC-609,DC-192,DC-195 & DC-196
5843	LAKE COUNTY RECORDERS OFFICE	16.00	RECORDING OF DOCUMENTS FOR DC-562
5843	CHICAGO TITLE INSURANCE COMPANY	75.00	TITLE WORK PERFORMED ON DC-377
5843	CHICAGO TITLE INSURANCE COMPANY	75.00	TITLE WORK PERFORMED ON DC-381
5843	CHICAGO TITLE INSURANCE COMPANY	270.00	TITLE WORK PERFORMED ON DC-117
5843	CHICAGO TITLE INSURANCE COMPANY	75.00	TITLE WORK PERFORMED ON DC-337
5843	CHICAGO TITLE INSURANCE COMPANY	75.00	TITLE WORK PERFORMED ON DC-335
5843	CHICAGO TITLE INSURANCE COMPANY	75.00	TITLE WORK PERFORMED ON DC-372
5843	CHICAGO TITLE INSURANCE COMPANY	75.00	TITLE WORK PERFORMED ON DC-230
5843	CHICAGO TITLE INSURANCE COMPANY	75.00	TITLE WORK PERFORMED ON DC-380
5843	CHICAGO TITLE INSURANCE COMPANY	75.00	TITLE WORK PERFORMED ON DC-360
5843	LAWYERS TITLE INSURANCE COMPANY	275.00	TITLE WORK PERFORMED ON DC-618
5843	LAWYERS TITLE INSURANCE COMPANY	275.00	TITLE WORK PERFORMED ON DC-520
5843	LAWYERS TITLE INSURANCE COMPANY	275.00	TITLE WORK PERFORMED ON DC-519
5843	LAWYERS TITLE INSURANCE COMPANY	275.00	TITLE WORK PERFORMED ON DC-522
5843	LAWYERS TITLE INSURANCE COMPANY	275.00	TITLE WORK PERFORMED ON DC-160
5843	LAWYERS TITLE INSURANCE COMPANY	275.00	TITLE WORK PERFORMED ON DC-158
5843	LAWYERS TITLE INSURANCE COMPANY	275.00	TITLE WORK PERFORMED ON DC-161
5843	TICOR TITLE INSURANCE COMPANY	270.00	TITLE WORK PERFORMED ON DC-526
5843	TICOR TITLE INSURANCE COMPANY	270.00	TITLE WORK PERFORMED ON DC-534
5843	TICOR TITLE INSURANCE COMPANY	270.00	TITLE WORK PERFORMED ON DC-512
5843	TICOR TITLE INSURANCE COMPANY	270.00	TITLE WORK PERFORMED ON DC-511
5843	TICOR TITLE INSURANCE COMPANY	270.00	TITLE WORK PERFORMED ON DC-387
5843	TICOR TITLE INSURANCE COMPANY	270.00	TITLE WORK PERFORMED ON DC-514
5843	TICOR TITLE INSURANCE COMPANY	270.00	TITLE WORK PERFORMED ON DC-529
5843	TICOR TITLE INSURANCE COMPANY	270.00	TITLE WORK PERFORMED ON DC-531
5843	TICOR TITLE INSURANCE COMPANY	270.00	TITLE WORK PERFORMED ON DC-513
5844	JUDITH VAMOS	1,380.00	LAND ACQUISITION/MANAGEMENT SERVICES FOR 9/16/96-9/30/96
5844	JUDITH VAMOS	54.25	SEPTEMBER MILEAGE
5844	JUDITH VAMOS	1,121.25	LAND ACQUISITION/MANAGEMENT SERVICES FOR 10/1/96-10/15/96
5844	JAMES E. POKRAJAC	1,891.20	LAND ACQUISITION/MANAGEMENT SERVICES FOR 9/16/96-9/30/96
5844	JAMES E. POKRAJAC	82.75	SEPTEMBER MILEAGE
5844	JAMES E. POKRAJAC	2,718.60	LAND ACQUISITION/MANAGEMENT SERVICES FOR 10/1/96-10/15/96
5845	BOYD CONSTRUCTION CO INC	610.00	WORK INCURRED FOR STORM SEWER TESTING IN GARY
5848	NIPSCO	213.07	UTILITY SERVICE ON COMMISSION PROPERTY 9/13/96-10/15/96
5847	HAROLD L. WHEELER	200.00	COURT ORDERED APPRAISAL FOR DC-378
5847	HAROLD L. WHEELER	160.00	COURT ORDERED APPRAISAL FOR DC-566
5847	HAROLD L. WHEELER	160.00	COURT ORDERED APPRAISAL FOR DC-567
5847	HAROLD L. WHEELER	160.00	COURT ORDERED APPRAISAL FOR DC-568
5847	HAROLD L. WHEELER	160.00	COURT ORDERED APPRAISAL FOR DC-569
5847	TONY ZALESKI	200.00	COURT ORDERED APPRAISAL FOR DC-378
5847	TONY ZALESKI	160.00	COURT ORDERED APPRAISAL FOR DC-566
5847	TONY ZALESKI	160.00	COURT ORDERED APPRAISAL FOR DC-567
5847	TONY ZALESKI	160.00	COURT ORDERED APPRAISAL FOR DC-568
5847	TONY ZALESKI	160.00	COURT ORDERED APPRAISAL FOR DC-569
5847	COLE ASSOCIATES	198.75	SURVEYING SERVICES AT STAGE III TRAILALONG CHASE STREET
5861	LAKE COUNTY CLERK	100.00	FILING FEE FOR CONDEMNATION OF DC-258
5861	LAKE COUNTY CLERK	100.00	FILING FEE FOR CONDEMNATION OF DC-581
5861	THESSALONIA & EDNA DAVIS	1,000.00	PURCHASE PRICE OF DC-562
5861	ROBERT PRINGLE	700.00	PURCHASE PRICE OF DC-276
5861	OPEN DOOR CHURCH OF GOD	500.00	ADDITIONAL PURCHASE PRICE OF DC-350
5861	MAMON POWERS	750.00	PURCHASE PRICE OF DC-609
5861	STAR REGISTER PUBLICATIONS	85.25	PUBLICATION OF NOTICE FOR DC-412 & DC-258
5863	LAKE COUNTY TREASURER	836.18	TAXES FOR DC-385,DC-243,DC-195,DC-198,DC-340,DC-1925,&DC-366
5882	NIPSCO	15,276.18	RELOCATION EXPENSE STAGE II, PHASE 3C HARRISON STREET
5882	R. W. ARMSTRONG	1,374.90	UTILITY RELOCATION FOR PERIOD ENDING 10-18-96
5883	CONGRESS ENTERPRISES INC	14,000.00	DEMOLITION OF 3 COMMISSION OWNED PROPERTIES

\$80,377.87



**NORTHWESTERN INDIANA
REGIONAL PLANNING COMMISSION**

6100 Southport Road • Portage, Indiana 46368
Phone: 219/763-6060 Fax: 219/762-1653

To: Little Calumet River Basin Development Commission Contract Code: P-LCRBDC
For: Services Performed September 1996 Internal Code: P216
Date: October 9, 1996 Invoice No: 9/9

I N V O I C E

Salaries and Fringe benefits: Dan Gardner & Sandy Mordus	6,240.00
Room Rental for Additional LCRBDC Staff	520.00
Accounting Services	450.00
Facsimile Machine @ \$5.00/Mo. Plus Attachments	18.13
Postage: September, 1996	142.57
Copying Charges @ \$5.00/Mo. Plus \$.06/copy (2,751)	170.06
Graphics/Printing & Clerical Time @ \$20/Hr (Attachments) (22.5 hrs)	450.00
Staff Mileage/Expenses:	0.00
Other Charges (Attachments) Long Distance (11.40) & UPS (10.00)	21.40
TOTAL: SEPTEMBER 1996	8,012.16
OUTSTANDING PAYMENT DUE:	0.00
TOTAL DUE:	\$ 8,012.16



DEPARTMENT OF THE ARMY

CHICAGO DISTRICT, CORPS OF ENGINEERS

111 NORTH CANAL STREET

CHICAGO, ILLINOIS 60606-7206

October 15, 1996

REPLY TO
ATTENTION OF

Programs and Project Management
Division

Ms. Patricia M. Rench
Operations Officer
NBD Bank,
1801 Kennedy Avenue
Schereville, Indiana 46375

Subject: Little Calumet River Project Construction
Fund Escrow Account Number 7500-0244-4747

Dear Ms. Rench:

The Department of the Army hereby issues a written demand for withdrawal of \$500,000 from the referenced escrow account in accordance with the escrow agreement entered into on August 19, 1990.

Please provide the amount requested above in the form of a bank draft, payable to "FAO, U.S. Army Corps of Engineers, Chicago District." Please mail or otherwise deliver to this address to the attention of Ms. Sherrie Barham, CENCC-PP-PO, within 10 days of receipt of this letter.

Sincerely,

Roger A. Gerber, P.E.
Lieutenant Colonel, U.S. Army
District Engineer

Copy Furnished:

Mr. Dan Gardner
Executive Director
Little Calumet River Basin
Development Commission

November 7, 1996

BUDGET TRANSFERS

Budget Code 5821	Travel/Mileage	Budgeted Amount \$10,000
------------------	----------------	--------------------------

Increase to \$15,000

Budget Code 5822	Printing/Advertising	Budgeted Amount \$2,000
------------------	----------------------	-------------------------

Increase to \$3,000

Budget Code 5824	Telephone Expenses	Budgeted Amount \$6,000
------------------	--------------------	-------------------------

Increase to \$9,000

Budget Code 5825	Meeting Expenses	Budgeted Amount \$7,500
------------------	------------------	-------------------------

Increase to \$10,000

Budget Code 5840	Professional Services	Budgeted Amount \$350,000
------------------	-----------------------	---------------------------

Increase to \$500,000

Total increase of budget transfers is \$161,500 to be taken from:

Budget Code 5860 Project Land Purchase Expenses

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION ATTENDANCE ROSTER

NAME OF MEETING: LCRBDC DATE: 11-7-96

LOCATION: Portage CHAIRMAN: _____

PLEASE SIGN IN

	NAME (PLEASE PRINT)	ORGANIZATION AND/OR ADDRESS
1	D.L. Wines	Ogden Dunes Town Council
2	Pete ZAK	SO. SHORE MARINA
3	DEVIS J. BUKSA	15 RIVER DR MUNSTER
4	Ken Smith	IDNR
5	Jim Flora	KW Armstrong
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION

6594 DEVELOPMENT SITE

CONCEPT PLAN ANALYSIS

November 1996

INTRODUCTION

The Little Calumet River Basin Development Commission (LCRBDC), an entity of the State of Indiana, is the local (non-federal) sponsor for the Little Calumet River, Indiana Flood Control and Recreation Project (Project) which is under construction by the U. S. Army Corps of Engineers (ACOE). The Project consists of levees and flood walls, closure structures, drainage structures, channel modifications, pumping stations, mitigation and enhancement features, and recreational trails and parks. From ACOE computer modeling, the Project induced flood levels in the area bounded by Interstate 65, Interstate 80/94, Martin Luther King Drive, and 21st Avenue (I-65/I-80/94 or 6594 Development Site) are more than the allowable 0.14 feet of increase for the 100-year (1%) flood event as limited under State of Indiana regulations.

The ACOE has presented a preliminary plan to provide the required mitigation of this Project induced flooding by building a U-shaped levee around the Marshalltown subdivision and purchasing floodway property. The cost for this mitigation has been estimated at \$1,969,317. Since the floodway property in the ACOE mitigation plan is viewed as a site which could be developed to improve the local economy, R. W. Armstrong was requested to develop concept plans and cost estimates to either to reduce the project induced flooding below State requirements or completely remove the 6594 (I-65/I-80/94) Development Site from the flood plain. The ACOE assisted in developing the concept plans by using their UNET computer model to evaluate several concept plans. The results of their modeling were used to develop this report, however further study would be required to fully evaluate all effects (including interior drainage) of these concept plans.

Cost estimates were developed using costs from similar projects as provided by the ACOE from various Project bids. The levee costs, housing relocation, and real estate purchase costs were based on values established in the Post Authorization Change Report of February 1996. Reservoir and pumping station costs were based on data presented in the ACOE memorandum entitled "A Preliminary Analysis to Determine the Effects on Maximum Stages on the Little Calumet River of the Conceptual Plans Presented by R.W. Armstrong, Engineers" and dated October 1996. A contingency of 20% is included in the cost estimates because of the preliminary nature of the concept plans. Wetland remediation was not considered in the cost estimates.

CONCEPT PLAN DESCRIPTION

Concept Plan #1

To remove the 6594 Development Site from the flood plain, construction of levees along the Little Calumet River from Martin Luther King Drive to I-65 is required. The toe of these levees should be set back 100 feet from the river bank. Levee crest should be at elevation 598.5 NGVD as recommended by the ACOE.

The area between I-65 and Colorado Street and the area between the N & S Railroad and Martin Luther King Drive must be purchased as floodway. The area between the I-65 and Colorado Street requires the relocation of four households. The area between the N & S Railroad and Martin Luther King Drive has no relocation requirements since there are no homes located there.

Remediation of increased downstream flood stages must be provided by constructing a reservoir and pumping station near Clay Street. The reservoir impacts some wetlands which will require remediation. Exhibit 1 shows this plan.

Costs for this plan include construction of the levees, storage reservoir and pumping station and purchase/relocation of property/houses for flowage easement. A cost not considered in this report is wetland remediation/improvement. Estimated capital cost for this concept plan is \$20,445,000 as shown on Exhibit 2.

Concept Plan #2

As an alternative to the ACOE remediation plan, this plan provides the necessary flood stage reduction for the 6594 Development Site by storing the flood waters in a reservoir upstream of the site. The recommended site for this reservoir and pumping station is southeast of the intersection of Martin Luther King Drive and I-80/94 just south of the NIPSCO easement. However, to provide the required stage reduction, the inflow point of the reservoir must be located on the northwest corner of the intersection of Martin Luther King Drive and I-80/94. Three 10-foot diameter concrete culverts would have to cross this intersection as part of the inflow channel. Also, this plan significantly impacts wetlands. This alternative is shown on Exhibit 3.

Cost for this plan includes real estate purchase, and construction of storage reservoir, pumping station, and inlet structures. This plan does not remove the 6594 Development Site from the flood plain, but only reduces the flood stages to within 0.14 feet of the predicted flood levels for the 1% (100-year) event without any of the Project improvements. Estimated capital cost for this concept plan is \$21,548,000 as shown on Exhibit 4.

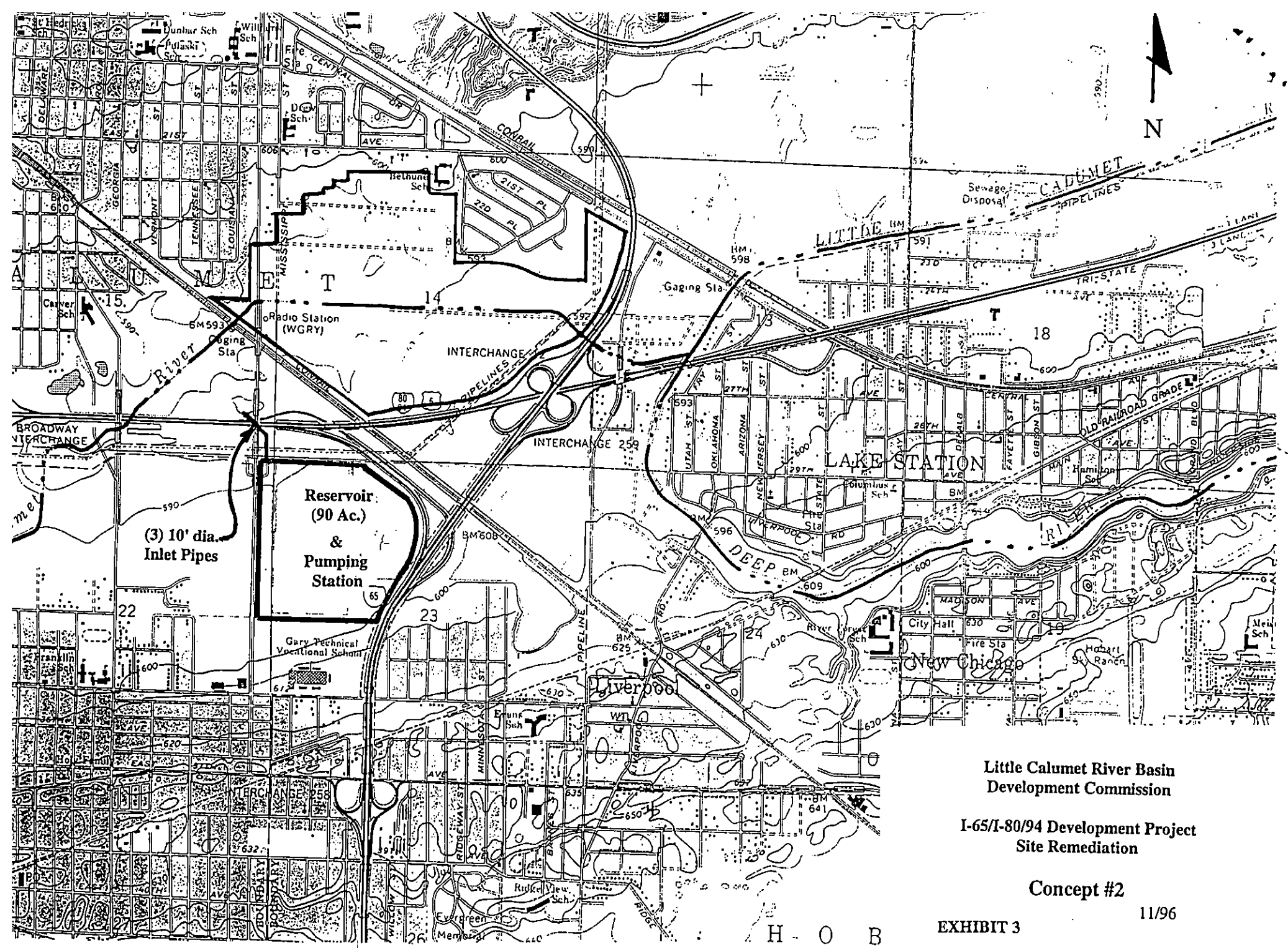
Exhibit 4

04-Nov-96

CAPITAL COST ESTIMATE**LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION****CONCEPT 2 - I-65/I-80/94 DEVELOPMENT SITE REMEDIATION**

FILE: L:\1996\91193681\CONCEPT2

ITEM DESCRIPTION	QUANTITY	UNITS	UNIT COST	COST
Inflow Piping Construction (Crossing I-80/94 and MLK Drive)	1	LS	\$2,500,000	\$2,500,000
Reservoir & Pump Station Construction	1,450	AC-FT	\$8,500	\$12,325,000
CONSTRUCTION TOTAL				\$14,825,000
Contingencies (20%)				\$2,965,000
Non-Construction Costs				
Design & Construction Engineering Services (16%)				\$2,372,000
Accounting, Legal & Administrative Costs (8%)				\$1,186,000
Allowance for Property Purchase & Relocations				\$200,000
NON-CONSTRUCTION TOTAL				\$3,758,000
TOTAL CAPITAL COST				\$21,548,000



Little Calumet River Basin
Development Commission

I-65/I-80/94 Development Project
Site Remediation

Concept #2

11/96

EXHIBIT 3

H O B

Exhibit 2

04-Nov-96

CAPITAL COST ESTIMATE**LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION****CONCEPT 1 - I-65/I-80/94 DEVELOPMENT SITE REMEDIATION**

FILE: L:\1996\91193681\CONCEPT1

ITEM DESCRIPTION	QUANTITY	UNITS	UNIT COST	COST
Levee Construction				
Excavation	51,600	CY	\$7.00	\$361,200
Clay Fill	121,000	CY	\$5.00	\$605,000
Topsoil Fill	11,600	CY	\$3.50	\$40,600
Seeding	14.50	AC	\$2,600	\$37,700
Nature Trail	11,200.00	LF	\$5.55	\$62,160
Drainage Structures	4	EA	\$18,000	\$72,000
Reservoir Construction	1,510	AC-FT	\$8,500	\$12,835,000
CONSTRUCTION TOTAL				<u>\$14,014,000</u>
Contingencies (20%)				\$2,803,000
Non-Construction Costs				
Design & Construction Engineering Services (16%)				\$2,242,000
Accounting, Legal & Administrative Costs (8%)				\$1,121,000
Allowance for Property Purchase & Relocations				<u>\$275,000</u>
NON-CONSTRUCTION TOTAL				\$3,638,000
TOTAL CAPITAL COST				<u><u>\$20,455,000</u></u>