Legistar: 100224

DISTRICT #1

VILLAGE OF LOMBARD REQUEST FOR BOARD OF TRUSTEES ACTION For Inclusion on Board Agenda

X	Resolution or Ordinance (Blue)Waiver of First Requested Recommendations of Boards, Commissions & Committees (Green) Other Business (Pink)									
то:	PRESIDENT AND BOARD OF TRUSTEES									
FROM:	David Hulseberg, Village Manager									
DATE:	April 26, 2010 (COW) (<u>B of T</u>)	Date: May 6, 2010								
TITLE:	Illinois Route 53 Storm Water Pump Station Phase 1 (Preliminary) Design Engineering									
SUBMITTED BY:	David A. Dratnol, P.E., Village Engineer	ord								
	OLICY IMPLICATIONS:									
Preliminary Engineering Design services for alleviating storm water concerns at the Illinois Route 53 Storm Water Pump Station.										
FISCAL IMPACT/	FUNDING SOURCE:									
Total Contract Amou WSCapRsveFd: \$78 Account#: 7901.809 HTE Project Number PW Project Number	9500 r: 1026									
Review (as necessar	y):	Dete								
Village Attorney X_		Date								
		Date								
Village Manager X_		Date								
NOTE:	All materials must be submitted to and app Manager's Office by 12:00 noon, Wednesday Distribution.									

AGENDA.DOC

Legistar: 100224



To: David Hulseberg, Village Manager

Through: Carl S. Goldsmith, Director of Public Works CG by DOA

From: David A. Dratnol, P.E., Village Engineer

Date: April 26, 2010

Subject: Illinois Route 53 Storm Water Pump Station

Phase 1 (Preliminary) Design Engineering

Attached please find a contract, resolution and fee schedule for phase 1 (preliminary) design engineering services for the Illinois Route 53 Storm Water Pump Station. The intent is to determine the scope of work and cost of improvements to the storm water pump station. Staff will then move forward with phase 2 engineering.

This project was included as the target project in the determination of the Hydraulic and Hydrology Engineering Short-List for the next two (2) years. Seven firms responded to the Request for Qualifications; five (5) firms were short-listed. Baxter & Woodman was determined to be the most qualified firm for this project.

The scope and fee were negotiated with Baxter & Woodman and agreed to by both parties. The project consists of obtaining and/or performing background information, such as wetland delineation and topographic survey, analyzing existing storm water conditions, and formulating/designing preliminary engineering solutions. The resultant Preliminary Design Report (PDR), which will be developed with input from Village Staff, will make recommendations concerning pump and motor replacements, electrical and SCADA improvements, grit chamber/secondary screening, a stand-by generator, and site improvements. This work will be performed for a not-to-exceed phase 1 design engineering services fee of \$78,795.00. The engineering costs will be paid for using the Water and Sewer Capital Reserve Fund.

Please present this agreement and resolution to the President and Board of Trustees for their review at their regular meeting of May 6, 2010. If approved, please return one original signed copy to Public Works-Engineering for further processing.

RESOLUTION R____10

A RESOLUTION AUTHORIZING SIGNATURE OF PRESIDENT AND CLERK ON AN AGREEMENT

WHEREAS, the Corporate Authorities of the Village of Lombard have received an Agreement between the Village of Lombard, and Baxter & Woodman, Inc. regarding the Illinois Route 53 Storm Water Pump Station as attached hereto and marked Exhibit "A"; and

WHEREAS, the Corporate Authorities deem it to be in the best interest of the Village of Lombard to approve such agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS as follows:

SECTION 1: That the Village President be and hereby is authorized to sign on behalf of the Village of Lombard said agreement as attached hereto.

SECTION 2: That the Village Clerk be and hereby is authorized to attest said agreement as attached hereto.

Village Attorney

VILLAGE OF LOMBARD

CONTRACT

CONTRACT DOCUMENT NUMBER SS-10-01

This agreement is made this the 6^{th} day of May, 2010, between and shall be binding upon the Village of Lombard, an Illinois municipal Corporation hereinafter referred to as the "VILLAGE" and Baxter & Woodman, Inc. hereinafter referred to as the "ENGINEER" and its successors.

Witnessed, that in consideration of the mutual promises of the parties delineated in the contract documents, the ENGINEER agrees to perform the services and the VILLAGE agrees to pay for the following services as set forth in the contract documents:

The preparation and delivery of preliminary engineering design documents (Phase 1) for the Route 53 Storm Water Pump Station Improvements.

- 1. This contract shall embrace and include all of the applicable contract documents listed below as if attached hereto or repeated herein:
 - a. Design Engineering Request for Qualifications (dated January 25, 2010) consisting of the following:
 - i) Cover Sheet
 - ii) Table of Contents
 - iii) General Provisions
 - iv) Special Provisions
 - b. ENGINEER'S Statement of Qualifications (dated February 12, 2010)
 - c. Madison St./IL Rt. 53 Intersection Improvements Request for Proposal (dated January 25, 2010)
 - d. ENGINEER'S Proposal (dated February 12, 2010)
 - e. ENGINEER'S Minutes from an April 9, 2010 Meeting
 - f. ENGINEER'S Work Effort and Fee Schedule Letter (dated April 15, 2010)
 - g. Required Certificates and Signatures and Certificate of Insurance
- 2. The VILLAGE agrees to pay, and the ENGINEER agrees to accept as full payment for the services, which are the subject matter of this contract in accordance with the General Provisions.
- 3. This Contract represents the entire agreement between the parties and may not be modified without the written approval of both parties.

VILLAGE OF LOMBARD

ENGINEER'S CERTIFICATION

, having been first duly sworn depose and states as follow
(Officer or Owner of Company)
, having submitted a proposal for:
Illinois Route 53 Storm Water Pump Station to the Village of Lombard, hereby certifies that said ENGINEER:
1. has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A) (4).
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or is:
a. it is contesting its liability for the tax or the amount of tax in accordance with procedur
established by the approve Revenue Act; orb. it has entered into an agreement with the Department of Revenue for payment of all tax due and is currently in compliance with that agreement.
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and that (Name of employee/driver or "all employee drivers")
(Name of employee/driver or "all employee drivers is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rule
By:Authorized Agent of ENGINEER
Authorized Agent of ENGINEER
Subscribed and sworn to before me this the day of, 2010.
Notary Public

VILLAGE OF LOMBARD, ILLINOIS ROUTE 53 STORMWATER PUMPING STATION

EXHIBIT B

PROJECT DESCRIPTION

This PROJECT will consist of the Preliminary Engineering Design (Phase I) required for the development of Phase II plans, specifications, and cost estimate for the Route 53 Stormwater Pumping Station Improvements in the Village of Lombard, Illinois. The PROJECT will include the preliminary design and Project Development Report for pump and motor replacements, electrical and SCADA improvements, grit chamber/secondary screening, a stand-by generator, and site improvements.

ANTICIPATED SCHEDULE

1.	Project Kickoff Meeting	May 14, 2010
2.	Wetland Delineation / Topographic Survey	May 28, 2010
3.	Analysis / Site Visits / Preliminary Design	July 23, 2010
4.	Preliminary PDR and Review	August 20, 2010
5.	Pre-Final PDR and Review	September 3, 2010
6.	Final PDR	September 24, 2010

VILLAGE OF LOMBARD, ILLINOIS ROUTE 53 STORMWATER PUMPING STATION

EXHIBIT C

SCOPE OF SERVICES

MANAGE PROJECT – Plan, schedule, and control activities to be performed to
complete the PROJECT including budget, schedule, and scope. Confer with
Village point of contact/staff to clarify scope of work for the PROJECT and to
review available data. Prepare and submit monthly invoices and coordinate
invoices from subconsultants.

PRELIMINARY DESIGN

 MEETINGS - Attend kick-off meeting with Village staff to review the PROJECT; establish PROJECT criteria and clear lines of communication; and attend up to four progress meetings to review the work in progress, the Project Development Report, and Estimate of Cost prior to submittal to the Village.

DATA COLLECTION

- Obtain data of record, including utility atlas pages, maps, construction drawings, and plats of survey to assist with the preparation of preliminary design drawings.
- o Perform wetland delineation.
- o Complete topographic survey.
- o Review structure, electrical, and pump and piping systems with field visit(s).
- o Contact utilities through a J.U.L.I.E. Design Stage Request.
- o Prepare preliminary drawings.

• ANALYSIS AND PRELIMINARY DESIGN

- O Perform a storm sewer and pump capacity analysis, a pump control and electric service analysis, and evaluate the pump/inlet structure for hydraulic function.
- o Review alternatives to provide access to site during flood conditions and bypass pumping during construction.
- o Meet with Village project staff.
- o Prepare preliminary civil, structural, electrical and SCADA designs; with drawings and a checklist of Village standard specifications/special provisions to be used in the final design.

PLATS AND EASEMENTS

- Obtain up to two (2) title commitment(s) for property(ies) owned by the Village or owned by adjacent owners and required for access/use easement(s).
- o Prepare Plats of Survey, Plats and Descriptions of Easement(s), and Plats and Descriptions of Temporary Construction Easement(s) required to complete the Final (Phase II) Design.

PROJECT DEVELOPMENT REPORT

- O Prepare preliminary, pre-final and final versions of the Project Development Report (PDR), including a summary of design considerations and recommendations.
- o Prepare an initial and subsequent revised Opinions of Probable Construction Cost and of Total Project Costs.
- o Perform a peer and constructability review (QA/QC).
- o Meet with Village project staff to discuss PDR.
- o Revise the PDR as a result of meetings with Village staff.
- WETLAND REPORT Prepare a wetland report based on the wetland delineation and requirements of the Corps of Engineers, IEPA, IDNR and DuPage County.
- PERMITS Investigate the need for various jurisdictional or environmental permits including a Corps of Engineers/IEPA/IDNR Joint Application permit; a separate IDNR floodplain/floodway permit; DuPage County stormwater, wetland or construction in a floodway permit; and an Illinois Tollway Authority permit.

I:\Crystal Lake\LOMBD\100143-2010 Eng Svc\10-Proposal\IL 53 Stormwater Pump Station\LOMBD Route 53 Stormwater PS - Exhibit B.doc

VILLAGE OF LOMBARD, ILLINOIS **ROUTE 53 STORMWATER PUMPING STATION**

EXHIBIT: D

SCOPE OF SERVICES, TIME AND EXPENSES, AND FEE

ROUTE LOCAL AGENCY

(Municipality/Township/County) DuPage County

N.A. VILLAGE OF LOMBARD

*B&W's APPROVED RATES ON FILE WITH IDOT'S BUREAU OF ACCOUNTING AND AUDITING

SECTION
PROJECT
JOB NO 100143 40

OVERHEAD RATE (OH)
MULTIPLIER
COMPLEXITY FACTOR (R)
CALENDAR DAYS

147% 2.83 0

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	Chris Sosnowski	8	2	52,12	1 37%	5	418 96	\$ 42.50	ş	1,223		į	
	Anthony Bianchin	4	\$	44 08	0 69%	\$	176 32	\$ 42 50	2	542			
	Peggy Yarbro	4	5	23 57	0 69%	\$	94 28		3	267	\$	9,930	12,80
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PRELIMINARY DESIGN REPORT	Lyle Hammer Craig Michell Jonn Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Genfield	A	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 66 94 5 52 65 6 65 00 5 51.4 5 51 14 6 57 24 6 39 94 6 33 04 6 23 55 6 51 14 8 45 8 9 33 04	7 0349 4 0349 3 0349 3 0349 2 1379 8 6879 4 0699 3 1379 9 0699 7 1379	666666666666666666666666666666666666666	\$ 47 148 \$ 113 88 \$ 105 24 \$ 130 18 \$ 2,048.40 \$ 228 96 \$ 319 44 \$ 132.36 \$ 108 56	\$ 250	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	323 228 336 1,185 5,792 644 90 373 554		5 521	0.
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT	Lyle Hammer Craig Mitchell John Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Ton Ganfield Michael Becker	A	2 5 5 2 5 5 6 5 5 6 6 6 6 6 6 6 6 6 6 6	5 66 94 5 52 65 6 65 00 5 51.4 5 51 14 6 57 24 6 39 94 6 33 04 6 23 55 6 51 14 8 45 8 9 33 04	7 0349 4 0349 3 0349 3 0349 2 1379 8 6879 4 0699 3 1379 9 0699 7 1379	666666666666666666666666666666666666666	\$ 47 14 \$ 113 88 \$ 105 28 \$ 130 16 \$ 411 38 \$ 2,048,40 \$ 228 96 \$ 132,36 \$ 108 55 \$ 102 33 \$ 102 33 \$ 102 35	\$ 250	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	323 298 396 1,168 5,792 644 909 374 564 200 2,074		\$ 521 \$ 9,832	0.
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT	Lyle Hammer Craig Michell Jonn Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Genfield Michael Beckor Peggy Yarbro	1	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6 66 94 5 52 65 6 65 06 5 51.4; 5 114 5 7 2: 6 39 99 6 33 09 6 23 5 6 51 1; 8 45 8 8 33 09 8 23 5	7 0 3494 4 0 3493 3 0 3493 2 1 379 8 6 879 4 0 699 7 1 3797 7 1 3797 6 0 349 2 2 759 9 0 599 7 0 349	666666666666666666666666666666666666666	5 47 14 5 113 88 5 105 22 5 130 12 4 11 32 5 2,046.40 5 2,046.40 5 319 44 5 102 35 5 102 35 5 102 35 5 102 35 5 102 35 5 733 12 5 47 1-	\$ 250	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	323 288 390 1,184 5,782 644 900 372 554 2,071 371 13-		\$ 521 \$ 9,832	0.
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT	Lyte Hammer Craig Mitchell Jonn Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Michael Beckor Peggy Yarbro Thomas Puralewski	1	2 5 2 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6 66 97 6 52 67 6 65 01 6 65 01 6 51 14 6 57 24 6 39 98 6 23 5 6 51 17 6 51 17 6 52 5 6 51 17 6 52 5 6 51 5 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	7 0 3494 4 0 3493 3 0 3495 3 0 3495 3 0 3492 2 1 379 4 6 879 4 1 379 9 0 699 7 1 379 6 0 349 2 2 759 9 0 699 7 0 349	666666666666666666666666666666666666666	5 47 14 5 113 88 5 105 22 5 130 18 5 411 38 5 2,048.46 5 228 96 5 318 44 5 132.36 5 102 3: 733 11 3 132 34 5 173 11 5 173 173 173 173 173 173 173 173 173 173	\$ 250	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	323 288 399 1,185 5,762 644 909 377 564 200 2,079 371 132	3	\$ 521 \$ 9,832	0.
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT	Lyte Hammer Craig Mitchell Jonn Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Michael Becker Peggy Yarbro Thomas Puralewski Steve Verseman	1	2 5 2 5 5 6 4 5 5 6 4 2 5 6 6 4 2 5 6 6 4 2 5 6 6 4 2 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6 66 97 6 52 67 6 65 07 6 65 07 6 51 17 8 57 22 8 39 97 9 33 07 6 51 17 8 45 8 9 33 08 9 34 08 9 35 08 9 35 08 9 35 08 9 35 08 9 5 08 9	7 03494 4 03494 5 03495 2 13795 4 0699 7 0349 6 2 7599 9 0599 7 0349 2 2 7599 7 0349 2 2 7599 9 0596 7 0349 2 3 7 0 349	66 66 66 66 66 66 66 66 66 66 66 66 66	5 47 148 5 113 88 5 105 22 5 130 16 5 130 16 5 2048.40 5 208 96 5 208 96 5 102 33 5 102 33 5 102 34 5 102 35 5 102	\$ 250	3	322 298 366 1,166 5,795 644 900 377 564 2,074 371 132 293 1,151	2	\$ 9,832 \$ 2,874	1 3
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT ERMITS U.S. C.6 E. / IEPA / INDR	Lyle Hammer Craig Mitchell John Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganifeld Michael Becker Peggy Yarbro Thomas Puralewski Steve Verseman Tom Ganifeld	1	2 5 2 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6 66 97 6 52 67 6 65 01 6 65 01 6 51 41 6 51 41 8 57 22 8 39 99 9 33 00 6 23 5 6 51 11 8 45 8 8 33 9 8 33 00 8 23 5 8 51 41 8 51 45 8 8 51	7 0 3494 4 0 3493 3 0 3453 3 0 3453 3 0 3453 4 0 699 4 0 699 7 1 379 6 0 349 6 0 349 2 2 7559 7 0 345 6 1 375 6 1 345 6 1 375 6 1 345 6 1 375 7 0 345 8 0 345 8 0 345 9 0 699 9 0 699 7 0 345 9 0 695 9 0 69	666666666666666666666666666666666666666	5 47 14 5 113 88 5 105 22 5 130 12 5 411 18 5 2,046.40 5 228 96 5 318 44 5 102 8 5 102 8 5 102 8 5 102 8 5 102 8 5 47 14 5 102 8 5 409 2 5 193 2	\$ 250	3	323 288 390 1,184 5,782 644 900 372 554 2,072 374 13- 281 1,151 511		\$ 9,632 \$ 2,874 \$ 1,976	0. 12
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT ERMITS U.S. C.o. E. / IEPA / INDR	Lyte Hammer Craig Mitchell Jonn Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Aqustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Michael Becker Peggy Yarbro Thomas Puralewski Steve Verseman Tom Ganfield Steve Verseman	1	2 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5 68 9/5 52 6/5 52 6/5 65 1.4/5 57 2-2 5 33 9/5 23 5 5 1 1 1 5 5 23 5 5 5 1 4 5 5 1 1 5 5 5 5 1 4 5 5 5 1 1 5 5 5 5	7 0 3494 3 0 349 3 0 349 2 1 379 4 0 699 7 1 379 6 0 349 7 0 349 6 0 349 6 0 349 7 0 349 6 1 377 2 0 345 2 0 345 6 1 377 2 0 345 6 1 377 6 0 349 6 0 699 7 0 349 8 0 699 9	666666666666666666666666666666666666666	5 47 14 5 113 88 5 105 26 5 130 16 5 411 35 5 2,048.46 5 228 96 5 130 85 5 102 35 5 102	\$ 25.0	3	323 298 366 1,106 5,706 648 900 377 564 207 277 137 13- 280 1,151 511		\$ 9,632 \$ 2,874 \$ 1,976	0. 12
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT ERMITS U.S. C.6 E. / IEPA / INDR	Lyle Hammer Craig Mitchell John Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganifeld Michael Becker Peggy Yarbro Thomas Puralewski Steve Verseman Tom Ganifeld	1	2 5 2 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5 68 9/5 52 6/5 52 6/5 65 1.4/5 57 2-2 5 33 9/5 23 5 5 1 1 1 5 5 23 5 5 5 1 4 5 5 1 1 5 5 5 5 1 4 5 5 5 1 1 5 5 5 5	7 0 3494 3 0 349 3 0 349 2 1 379 4 0 699 7 1 379 6 0 349 7 0 349 6 0 349 6 0 349 7 0 349 6 1 377 2 0 345 2 0 345 6 1 377 2 0 345 6 1 377 6 0 349 6 0 699 7 0 349 8 0 699 9	666666666666666666666666666666666666666	5 47 14 5 113 88 5 105 22 5 130 12 4 11 32 5 2,046.40 5 2,046.40 5 319 44 \$ 132,36 5 102 8 7 33 12 \$ 47 1 5 102 8 \$ 400 2 \$ 183,26 \$ 102,36 \$ 102,5 \$ 102,5	\$ 25 D	3	322 298 366 1,186 5,795 644 900 377 554 2,077 371 13 299 1,155 511 500 200	2	\$ 9,632 \$ 2,874 \$ 1,976	0. 12
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT ERMITS U.S. C.o. E. / IEPA / INDR	Lyte Hammer Craig Mitchell Jonn Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Aqustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Michael Becker Peggy Yarbro Thomas Puralewski Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Steve Verseman Thomas Puralewski	1	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 68 94 5 52 65 5 55 14 5 51 14 5 7 24 5 39 92 5 23 55 5 51 11 5 45 8 5 23 55 5 51 4 5 51 18 5 51 18 5 51 18 5 5 51 4 5 5 51 18 5 5 5 1 4 5 5 5 1 4	7 0 3494 3 0 349 3 0 349 3 0 349 4 1 379 9 6 879 7 1 378 6 0 349 6 0 349 7 1 378 6 0 349 7 0 349 7 0 349 7 0 349 7 0 349 7 0 349 7 0 349 8 0 349 8 0 349 9 0 699 9	666666666666666666666666666666666666666	5 47 14 5 113 88 5 105 22 5 130 12 4 11 32 5 2,046.40 5 2,046.40 5 319 44 \$ 132,36 5 102 8 7 33 12 \$ 47 1 5 102 8 \$ 400 2 \$ 183.26 \$ 102.36 \$ 102.56 \$ 102.57 \$ 102.57	\$ 25 D	3	322 298 366 1,186 5,795 644 900 377 554 2,077 371 13 299 1,155 511 500 200	2	\$ 9,632 \$ 2,874 \$ 1,976	0. 12
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT ERMITS U.S. C.o. E. / IEPA / INDR	Lyle Hammer Craig Mitchell John Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Michael Beckor Peggy Yarbro Thomas Puralewski Steve Verseman Tom Ganfield Steve Verseman Thomas Puralewski Steve Verseman Thomas Puralewski Steve Verseman	1	2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 68 9/5 52 65 51 45 51 14 55 51 14 55 51 15 55 51 15 55 51 15 55 51 15 55 5	7 0 3494 0 349 3 0 348 8 0 349 1 379 1 4 0 699 3 1 379 6 0 349 6 0 349 7 1 379 6 0 349 6 0 349 7 0 349 8 0 349 8 0 349 8 0 349 8 0 349 8 0 349 9 0	666666666666666666666666666666666666666	5 47 14 5 113 88 5 105 22 5 130 12 5 411 18 5 2,046.41 5 2,046.41 5 318 44 5 132 34 5 102 35 5 102 35 5 102 35 5 102 35 5 47 14 5 102 8- 5 10	\$ 25 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	323 29kg 30f 1,16t 5,76j 64t 90t 207 55t 29(2,07t 37t 13t 20 1,15t 511 56t 29 91	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$ 9,632 \$ 2,874 \$ 1,976	0. 12
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT ERMITS U.S. C.o. E. / IEPA / INDR	Lyte Hammer Craig Mitchell John Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Michael Becker Peggy Yarbro Thomas Puralewski Steve Verseman Tom Ganfield Steve Verseman Thomas Puralewski Steve Verseman Tom Ganfield	1	2 2 2 2 2 2 2 2 2 2 2 3 4 4 2 2 6 0	5 66 94 5 2 67 6 5 50 66 6 5 1.4 5 1 14 5 5 1 2 5 39 92 5 33 92 5 23 5 5 51 1 5 45 8 5 51 1 5 51 4 5 51 1 5 51 1	7 0 3494 0 0 349 3 0 349 3 0 349 2 1 379 2 6 6 77 4 0 699 7 1 379 6 0 349 2 2 755 9 0 599 7 0 345 2 0 347 2 0 349 2 0 349 2 0 349 2 0 349 3 1 377 0 349 0 699 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	666666666666666666666666666666666666666	\$ 47 14 \$ 113 88 \$ 105 22 \$ 130 16 \$ 411 38 \$ 2,048.46 \$ 228 96 \$ 132.36 \$ 132.36 \$ 102 33 \$ 733 11 \$ 409 2 \$ 132 24 \$ 102 8 \$ 308 8 \$ 308 8 \$ 308 8 \$ 47 14	\$ 25 0	3	323 298 396 1,186 5,799 644 900 377 584 2,077 377 13- 13- 1,151 511 599 911	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$ 9,632 \$ 2,874 \$ 1,976	0. 12
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT VETLAND REPORT VETLAND REPORT VETLAND REPORT VETLAND REPORT VETLAND REPORT VETLAND REPORT	Lyle Hammer Craig Mitchell John Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Michael Becker Peggy Yarbro Thomas Puralewski Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Bill Blecke	1	2 5 5 5 6 7 5 7 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	5 68 9/5 52 6/5 52 6/6 55 14/5 51 14 51 14 57 2/5 53 9/5 33 0/5 53 35 51 14 58 55 11 55 51 14 58 55 51 14 58 55 51 14 58 55 51 14 58 55 51 14 58 55 51 14 58 55 51 15 55 51 15 55 51 15 55 51 15 55 5	7 0 3494 3 0.345 3 0 345 3 0 345 4 0 699 4 0 699 7 0 349 6 2 2 755 7 0 697 7 0 349 2 1 379 6 6 79 9 0 699 7 0 349 6 1 379 6 1 379 6 1 379 7 0 699 7 0 699 7 0 699 7 0 699 7 0 699 7 0 699 7 0 699 8 0 699 8 1 379 8 1 379 8 1 379 9 0 699 7 0 349 8 1 379 8 1 379 8 2 2 755 8 1 379 8 1 379 9 0 699 7 0 349 8 1 379 8 1 379 8 2 2 755 8 1 379 8 1 379 8 2 2 375 8 1 379 8 1 379 8 2 2 375 8 1 379 8 2 2 375 8 1 379 8 1 379 8 2 2 375 8 1 379 8 1 379 8 2 2 375 8 1 379 8 1 379 8 1 379 8 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	666666666666666666666666666666666666666	5 47 14 5 113 88 5 105 22 5 130 12 5 411 38 5 2,046.40 5 228 66 5 319 44 5 132 36 5 102 33 5 102 33 5 102 35 5 102 35 5 102 35 5 102 35 5 102 35 5 102 85 5 102	\$ 25 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	323 2982 366 1,186 5,793 644 901 377 554 200 2,077 371 13- 292 1,155 561 290 91 1,377	2 2 2 2 2 7 7	\$ 9,632 \$ 2,874 \$ 1,976 \$ 586	12
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT VETLAND REPORT VETLAND REPORT US C.o. E / IEPA / INDR IONR - EcoCAT DUPAGE COUNTY	Lyle Hammer Craig Mitchell Jonn Ambrose Thomas Puralewski Sleve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Bill Blecko Peggy Yarbro	1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	6 66 94 66 66 66 66 66 66 66 66 66 66 66 66 66	7 0 3494 3 0 3493 3 0 3493 3 0 3493 3 0 3493 4 0 699 4 0 699 7 1 379 6 0 3492 2 7 559 7 0 349 2 0 349 2 0 349 2 0 349 2 0 349 2 0 349 3 0 349 4 1 379 2 0 349 3 0 349 4 1 379 5 0 349 6 0 879 7 0 349 7 0 349 8 0 699 7 1 379 8 0 699 7 0 349 8 0 699 7 1 379 8 0 699 8 0 699 9 0 699 8 0 699 8 0 699 8 0 699 8 0 699 8 0 699 8 0 699 9 0 699 8 0 69	666666666666666666666666666666666666666	5 47 14 5 103 28 5 105 22 5 130 18 5 411 38 5 2,046.46 5 228 66 5 318 44 5 132 36 5 102 35 5 102 35 5 102 35 5 102 35 5 102 36 5 102	\$ 25 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	323 29kg 36f 1,16t 5,76i 64f 900 377 56 20,77 13 29 1,15i 51 50 91 1,37 1,27	2 2 2 2 2 7 7 9	\$ 9,632 \$ 2,874 \$ 1,976	12
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT VETLAND REPORT VETLAND REPORT US C.o. E / IEPA / INDR IONR - EcoCAT	Lyle Hammer Craig Mitchell John Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Michael Becker Peggy Yarbro Thomas Puralewski Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Bill Blecke	1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 68 9/5 52 6/5 52 6/6 55 14/5 51 14 51 14 57 2/5 53 9/5 33 0/5 53 35 51 14 58 55 11 55 51 14 58 55 51 14 58 55 51 14 58 55 51 14 58 55 51 14 58 55 51 14 58 55 51 15 55 51 15 55 51 15 55 51 15 55 5	7 0 3494 3 0 3493 3 0 3493 3 0 3493 3 0 3493 4 0 699 4 0 699 7 1 379 6 0 3492 2 7 559 7 0 349 2 0 349 2 0 349 2 0 349 2 0 349 2 0 349 3 0 349 4 1 379 2 0 349 3 0 349 4 1 379 5 0 349 6 0 879 7 0 349 7 0 349 8 0 699 7 1 379 8 0 699 7 0 349 8 0 699 7 1 379 8 0 699 8 0 699 9 0 699 8 0 699 8 0 699 8 0 699 8 0 699 8 0 699 8 0 699 9 0 699 8 0 69	666666666666666666666666666666666666666	5 47 14 5 113 88 5 105 22 5 130 12 5 411 38 5 2,046.40 5 228 66 5 319 44 5 132 36 5 102 33 5 102 33 5 102 35 5 102 35 5 102 35 5 102 35 5 102 35 5 102 85 5 102	\$ 25 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	323 298 396 1,186 5,795 644 900 377 564 2,077 377 13- 292 1,157 511 580 91 1,37 1,24 1,57	2 2 2 2 2 7 7 9 2	\$ 9,632 \$ 2,874 \$ 1,976 \$ 586	12
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT ERMITS U.S. C.O. E. / IEPA / INDR IONR - EcoCAT DUPAGE COUNTY	Lyle Hammer Craig Mitchell Jonn Ambrose Thomas Puralewski Sleve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Steve Verseman Tom Ganfield Bill Blecko Peggy Yarbro	1	22288048848 2642 2844260822	6 68 94 52 67 68 69 69 69 69 69 69 69 69 69 69 69 69 69	7 0 3494 3 0.3495 3 0 3495 3 0 3495 6 6879 6 6879 9 0 6997 1 377 6 6 7 0 3495 2 2 7557 9 0 6997 1 377 2 2 0 5495 2 2 7557 2 2 0 5495 2 3 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	666666666666666666666666666666666666666	5 47 14 5 103 28 5 105 22 5 130 18 5 411 38 5 2,046.46 5 228 66 5 318 44 5 132 36 5 102 35 5 102 35 5 102 35 5 102 35 5 102 36 5 102	\$ 25 D	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	323 298 396 1,186 5,799 644 900 377 584 2,077 377 13- 13- 1,151 511 59 91 1,37 1,24 1,57	2 2 2 2 2 7 7 9 2	\$ 9,632 \$ 2,874 \$ 1,976 \$ 586	12
PRELIMINARY DESIGN REPORT VETLAND REPORT WETLAND REPORT VETLAND REPORT VET	Lyte Hammer Craig Mitchell Jonn Ambrose Thomas Puralewski Steve Verseman Chuck Brunner Oskar Agustsson Michael Becker Peggy Yarbro Steve Verseman Tom Ganfield Michael Becker Peggy Yarbro Thomas Puralewski Steve Verseman Tom Ganfield Sieve Verseman Thomas Puralewski Steve Verseman Tom Ganfield Bill Blecko Peggy Yarbro Thomas Puralewski	1	22288048848 2642 2844260822	6 66 94 66 66 66 66 66 66 66 66 66 66 66 66 66	7 0 3494 3 0.3493 3 0 3493 3 0 3493 4 0 6993 4 0 6997 7 1 379 6 2 2 7557 7 0 349 8 0 6997 9 0 6997 7 0 349 2 1 379 2 1 379 2 2 7555 8 0 699 9 0 699 7 0 349 2 1 379 2 1 379 2 1 379 2 1 379 2 2 7555 8 0 699 9 0 699 7 0 349 8 0 699 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	666666666666666666666666666666666666666	5 47 14 5 113 88 5 105 22 5 130 16 4 11 32 5 2,046.40 5 228 66 5 319 44 5 102 8 5 102 8	\$ 25 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	323 2982 306 1,166 5,7693 644 9005 20,775 554 290 1,157 581 581 1,277 1,	2 2 2 2 2 7 9 2 5	\$ 9,632 \$ 2,874 \$ 1,976 \$ 586	1 2 2 1

IN-HOUSE DIRECT COSTS (INCLUDED IN TOTAL COST) VEHICLE EXPENSES - TRAVEL, 1500 MI @ \$0.50/MILE GPS EQUIPMENT RENTAL POSTAGE

\$1,945 \$0 \$100

Project Multiplier 1 47 1 00 0 30 2,83 Overhead a
Direct Labor a
Profit @14 5% a
Muliplier a