



ST. CHARLES
SINCE 1834

AGENDA ITEM EXECUTIVE SUMMARY

Title:	Recommendation to Award the Bid and approve Purchase Order for the Stuarts Crossing Basin 106C Shoreline Stabilization Project
Presenter:	AJ Reineking

Please check appropriate box:

	Government Operations	X	Government Services 07.25.16
	Planning & Development		City Council
	Public Hearing		

Estimated Cost:	\$263,426.90	Budgeted:	YES	X	NO	
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Budgeted Project Amount/Engineers Estimate: \$350,000

If NO, please explain how item will be funded:

Executive Summary:

The shoreline of Basin 106c in the Stuarts Crossing development (southwest of the intersection of Fox Chase Drive and Foxfield Drive) has severely eroded and is now posing a concern for pedestrian safety as well as the integrity of the adjacent landscape/hardscape of the area.

On June 28, 2016 the City opened bids for the stabilization of this shoreline to prevent future erosion and to reduce the potential hazard caused by the steep bank. The project will consist of grading around the entire basin to soften the slop entering the pond, and planting of native, deep rooted – prairie style – plants to prevent future erosion of the shoreline. The City received ten bids for this work with V3 Construction Group of Woodridge, IL being the lowest responsive, responsible bidder.

Over the last ten years, V3 has performed numerous shoreline stabilization and prairie restoration projects in the Chicago-metro area with great success, and their references have provided very favorable feedback.

Special Assessments from SSA 21 will be used to fund this project.

Attachments: *(please list)*

* Bid Tabulation * ERA Recommendation * Engineer’s Estimate * V3 Bid Sheet * V3 Bid

Recommendation / Suggested Action *(briefly explain):*

Recommendation to award the bid for the Stuarts Crossing Basin 106c Shoreline Stabilization Project to V3 Construction Group in the amount of \$263,426.90.

For office use only:

Agenda Item Number: 4.n

Bid Tabulation
 Stuarts Crossing Basin 106c Shoreline Stabilization Project
 Bid Opening: June 28, 2016

Company	Total Price
V3 Construction Group, Ltd.	
Woodridge, IL	\$ 263,423.90
Conservation Land Stewardship, LLC	
Elmhurst, IL	\$ 269,896.42
Curran Contracting Company	
Crystal Lake, IL	\$ 296,296.00
Earthwerks Land Improvement & Development Corp.	
Batavia, IL	\$ 306,221.50
Semper Fi Yard Services, Inc.	
Yorkville, IL	\$ 333,562.84
Nettle Creek Nursery, Inc.	
Morris, IL	\$ 337,381.00
Copenhaver Construction	
Gilberts, IL	\$ 387,860.00
Front Range Environmental	
McHenry, IL	\$ 403,801.50
Kovilic Construction Co., Inc.	
Franklin Park, IL	\$ 438,844.00
Applied Ecological Services	
Brodhead, WI	\$ 440,095.36



ENGINEERING RESOURCE ASSOCIATES, INC.

Consulting Engineers, Scientists & Surveyors

June 28, 2016

AJ Reineking
Public Works Manager
2 E. Main Street
St. Charles, IL 60174-1984

phone: 630.443.3709
fax: 630.513.7442
areineking@stcharlesil.gov

Subject: Stuarts Crossing Basin Shoreline Stabilization

Dear Mr. Reineking:

The above project was advertised by the City on June 10, 2016. Ten bids were received for the project on June 28, 2016 at 2:00pm. Engineering Resource Associates, Inc. (ERA) has reviewed the tabulation of the bid results for the subject project.

The apparent low bidder for the project is V3 Construction Group, Ltd. (V3) of Woodridge, Illinois in the amount of \$263,425.00. A review of their quantities revealed that there was an error in the Erosion Control Blanket line item resulting in a difference of \$1.10 and a resulting bid of \$263,423.90.

V3 has completed numerous streambank stabilization and shoreline restoration projects. V3 has provided eleven project profiles for similar projects and associated references. The project references meet the requirements of the Contractor Qualifications.

Therefore, based upon a detailed evaluation of the bids and references, Engineering Resource Associates, Inc. recommends that a contract be awarded to V3 Construction Group, Ltd. in the amount of \$263,423.90. Should you have any questions, please contact me at 630.393.3060.

Very Truly Yours,
ENGINEERING RESOURCE ASSOCIATES, INC.

Erin Pande, PWS, CFM
Project Manager

Warrenville
3s701 West Avenue, Suite 150
Warrenville, IL 60555
P 630.393.3060

Chicago
10 South Riverside Plaza, Suite 1800
Chicago, IL 60606
P 312.683.0110

Champaign
3002 Crossing Court
Champaign, IL 61822
P 217.351.6268

City of St. Charles
ERA - ENGINEER'S COST OPINION
 Stuarts Crossing Basin
 5/17/2016

ITEMS	Quantity	Unit Price	Total Price
PRECONSTRUCTION VIDEO TAPING	L Sum 1	\$ 3,000.00	\$ 3,000.00
CONSTRUCTION LAYOUT & AS-BUILT SURVEY	L Sum 1	\$ 5,000.00	\$ 5,000.00
MOBILIZATION	L Sum 1	\$ 6,000.00	\$ 6,000.00
TRAFFIC CONTROL and PROTECTION	L Sum 1	\$ 5,000.00	\$ 5,000.00
SHRUB REMOVAL	EACH 25	\$ 50.00	\$ 1,250.00
TREE REMOVALS (6 TO 15 UNITS)	UNIT 194	\$ 60.00	\$ 11,640.00
STABILIZED CONSTRUCTION ENTRANCE	EACH 1	\$ 5,000.00	\$ 5,000.00
TEMPORARY FENCE	LF 2150	\$ 4.00	\$ 8,600.00
INLET PROTECTION	EACH 3	\$ 250.00	\$ 750.00
SILT FENCE	LF 1250	\$ 2.50	\$ 3,125.00
DEWATERING	L Sum 1	\$ 8,000.00	\$ 8,000.00
TOPSOIL EXCAVATION AND PLACEMENT, 6"	SY 498	\$ 25.00	\$ 12,450.00
EARTH EXCAVATION, SPECIAL	CY 350	\$ 25.00	\$ 8,750.00
ROCK TOE	TON 305	\$ 200.00	\$ 61,000.00
COIR FIBER ROLL	FOOT 420	\$ 45.00	\$ 18,900.00
STONE OUTCROPPING	SF 1410	\$ 35.00	\$ 49,350.00
RESET 18" CONCRETE PIPE END-SECTION	EACH 1	\$ 600.00	\$ 600.00
RESET CONCRETE OUTLET TOE BLOCK	EACH 2	\$ 1,000.00	\$ 2,000.00
ROCK OUTLET PROTECTION, 15"	SQ YD 13	\$ 150.00	\$ 1,950.00
TEMPORARY COVER CROP SEEDING	ACRE 0.79	\$ 1,600.00	\$ 1,264.00
MULCH PLACEMENT, 3"	SQ YD 1785	\$ 6.00	\$ 10,710.00
LOW PROFILE GRASSES, SEDGES, & RUSHES SEEDING	ACRE 0.60	\$ 4,000.00	\$ 2,400.00
SHORELINE SEEDING	ACRE 0.04	\$ 4,500.00	\$ 180.00
TRANSITIONAL BUFFER SEEDING	ACRE 0.15	\$ 6,500.00	\$ 975.00
WEED CONTROL PRIOR TO PLANTING	ACRE 0.79	\$ 4,500.00	\$ 3,555.00
EROSION CONTROL BLANKET	SQ YD 3824	\$ 3.00	\$ 11,470.80
NATIVE PLANT PLUGS	EACH 5292	\$ 5.00	\$ 26,460.00
GOOSE HERBIVORY PROTECTION	ACRE 1.0	\$ 4,000.00	\$ 4,000.00
ECOLOGICAL MANAGEMENT (3 YEARS)	YEAR 3	\$ 5,000.00	\$ 15,000.00
MOWING (3/YEAR)	YEAR 3	\$ 4,500.00	\$ 13,500.00
PRESCRIBED BURN	ACRE 0.79	\$ 6,000.00	\$ 4,740.00

TOTAL: \$ 306,619.80

City of St. Charles
 BID TAB
 Stuarts Crossing Basin

ITEMS	Quantity	Unit Price	Total Price
PRECONSTRUCTION VIDEO TAPING	L Sum 1	\$ 750.00	\$ 750.00
CONSTRUCTION LAYOUT & AS-BUILT SURVEY	L Sum 1	\$ 9,000.00	\$ 9,000.00
MOBILIZATION	L Sum 1	\$ 21,560.60	\$ 21,560.60
TRAFFIC CONTROL and PROTECTION	L Sum 1	\$ 4,500.00	\$ 4,500.00
SHRUB REMOVAL	EACH 25	\$ 11.50	\$ 287.50
TREE REMOVALS (6 TO 15 UNITS)	UNIT 194	\$ 20.00	\$ 3,880.00
STABILIZED CONSTRUCTION ENTRANCE	EACH 1	\$ 4,500.00	\$ 4,500.00
TEMPORARY FENCE	LF 2150	\$ 2.25	\$ 4,837.50
INLET PROTECTION	EACH 3	\$ 230.00	\$ 690.00
SILT FENCE	LF 1250	\$ 2.15	\$ 2,687.50
DEWATERING	L Sum 1	\$ 10,000.00	\$ 10,000.00
TOPSOIL EXCAVATION AND PLACEMENT, 6"	SY 498	\$ 5.50	\$ 2,739.00
EARTH EXCAVATION, SPECIAL	CY 350	\$ 28.50	\$ 9,975.00
ROCK TOE	TON 305	\$ 90.00	\$ 27,450.00
COIR FIBER ROLL	FOOT 420	\$ 36.65	\$ 15,393.00
STONE OUTCROPPING	SF 1410	\$ 45.00	\$ 63,450.00
RESET 18" CONCRETE PIPE END-SECTION	EACH 1	\$ 800.00	\$ 800.00
RESET CONCRETE OUTLET TOE BLOCK	EACH 2	\$ 800.00	\$ 1,600.00
ROCK OUTLET PROTECTION, 15"	SQ YD 13	\$ 150.00	\$ 1,950.00
TEMPORARY COVER CROP SEEDING	ACRE 0.79	\$ 500.00	\$ 395.00
MULCH PLACEMENT, 3"	SQ YD 1785	\$ 1.75	\$ 3,123.75
LOW PROFILE GRASSES, SEDGES, & RUSHES SEEDING	ACRE 0.60	\$ 5,000.00	\$ 3,000.00
SHORELINE SEEDING	ACRE 0.04	\$ 10,000.00	\$ 400.00
TRANSITIONAL BUFFER SEEDING	ACRE 0.15	\$ 5,000.00	\$ 750.00
WEED CONTROL PRIOR TO PLANTING	ACRE 0.79	\$ 2,531.65	\$ 2,000.00
EROSION CONTROL BLANKET	SQ YD 3824	\$ 2.75	\$ 10,516.00
NATIVE PLANT PLUGS	EACH 5292	\$ 5.50	\$ 29,106.00
GOOSE HERBIVORY PROTECTION	ACRE 1.0	\$ 3,850.00	\$ 3,850.00
ECOLOGICAL MANAGEMENT (3 YEARS)	YEAR 3	\$ 6,000.00	\$ 18,000.00
MOWING (3/YEAR)	YEAR 3	\$ 265.00	\$ 795.00
PRESCRIBED BURN	ACRE 0.79	\$ 6,885.00	\$ 5,439.15

TOTAL: \$ 263,425.00

INVITATION TO BID
AND
SPECIFICATIONS
FOR

STUARTS CROSSING BASIN SHORELINE STABILIZATION

CITY OF ST. CHARLES
ILLINOIS
2016

SPECIFICATION #160628
BID OPENING: June 28, 2016

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SPECIFICATION #160628

BID OPENING : June 28, 2016

/cjb

SECTION I

NOTICE TO BIDDERS

The City of St. Charles is seeking a qualified contractor to perform shoreline stabilization to Basin 106c, located in the Stuarts Crossing development of St. Charles. The basin is located on Foxfield Drive in St. Charles, just east of Kirk Road (immediately north of the Jewel-Osco store). The project predominately includes the grading and replanting of the shoreline with native vegetation.

Sealed bids will be received at the Office of the Purchasing Manager, Two East Main Street, St. Charles, Illinois, no later than 2:00 p.m., Tuesday, June 28, 2016, for Shoreline Stabilization of Stuarts Crossing Basin.

Bids will be opened publicly and read aloud in the Council Chambers at 2:00 p.m., Tuesday, June 28, 2016.

Anticipated Timeline:

June 10, 2016	Invitation to Bid Distributed
June 28, 2016	Bids Due
July 11, 2016	Documentation Sent for Council Review
July 25, 2016	Presentation to Government Services Committee
August 1, 2016	City Council Award
August 4, 2016	Notice to Proceed

These Bids are available via the City Website. Alternatively, specifications and bidder information may be obtained at the Office of the Purchasing Manager, City of St. Charles, 200 Devereaux Way, St. Charles, Illinois.

All sealed envelopes must be clearly marked for which proposal they pertain to.

CITY OF ST. CHARLES
Mike Shortall
Inventory Control & Purchasing Manager

SECTION II
INFORMATION TO BIDDERS

1. **GENERAL CONDITIONS:**

- A. Bids shall be submitted in a sealed envelope, inserted in a larger sealed envelope. Both envelopes shall be clearly marked with the word "Bid", and the name of the project or subject of the bid. (Sec. 2.33.200A of the St. Charles Municipal Code). The outer envelope shall be addressed "Purchasing Manager, City of St. Charles, Two East Main Street, St. Charles, IL 60174." Include a return address on both envelopes. Bids received after the specified time and date will be returned unopened. Bids shall be on City of St. Charles bid form and shall be returned attached to the original specification sheets. Copies are not acceptable. **All bids submitted are binding for sixty (60) calendar days following the date of the bid opening.**

- B. All bid proposals must be signed with the firm name and by an authorized officer or employee of the company. One bid per bidder is allowed.

- C. The award of bids shall be made, after determination of the successful bidder by the City Council, by issuance of a City purchase order from the City of St. Charles purchasing manager to the successful bidder.

- D. The City of St. Charles reserves the right to waive minor specification deviations and reject any or all bids, and to accept the bid, which is in the opinion of the City Council, the lowest conforming bid from a responsible bidder as defined by state law and Sec. 2.33.230 of the St. Charles Municipal Code.

- E. All bids must be quoted on the basis of delivery to the City storeroom, 200 Devereaux Way in St. Charles, IL. The price shall be stated in units and bids made on each item separately. In case of conflict, the unit price shall govern. The City reserves the right to award the bid in aggregate or on individual items.

- F. All taxes, storage, handling and delivery costs incurred prior to receipt of the material by the City must be assumed by the successful bidder.

- G. All taxes, storage, handling and delivery costs incurred prior to receipt of the material by the City must be assumed by the successful bidder. The City of St. Charles is exempt from paying Illinois Use Tax, Illinois Retailers Occupation Tax, Federal Excise Tax, and Municipal Retailer's Occupation Tax.

The Illinois Department of Revenue tax exempt form can be obtained through the City of St. Charles Office of Purchasing.

The winning bidder will be required to complete the requested information included on this form. It is the purpose of this document to allow the winning bidder to purchase items for the bid project, tax free. It is the intent that the contractor will include the savings into the bid or quote.

Contractors will be responsible for utilizing this tax exempt form in a legal and responsible way. The contractor must sign a certification that the tax exempt form will be solely used for the purpose stated above. Abuse of the City's tax exempt status to avoid sales tax liability on other contractor purchases shall not be tolerated and may disqualify the contractor from being awarded future City contracts or business.

- H. If applicable, material is to be delivered on a flatbed trailer and ready to be unloaded from the side of the trailer without driving a forklift onto the trailer. Advance notice of 48 hours is required by calling 630-377-4421. Deliveries can be made to the City between the hours of 7:00 a.m. - noon and 12:30 p.m. - 3:30 p.m.
- I. Each bidder shall make an accurate statement in the proposal of the smallest number of calendar days in which delivery can be made after placement of the order.
- J. Any firm bidding this/these unit(s) must have a full service shop which includes parts and service mechanics capable of making any adjustments or repairs as may be required. The firm must also have service truck capabilities.
- K. Materials will be paid within 30 days of receipt/acceptance of same and receipt of invoice, or if a discount is allowed and is advantageous to the City, within five (5) days of receipt/acceptance of same and receipt of the invoice. Bids will be evaluated on both thirty (30) day and discount pricing.

REQUIRED _____ NOT REQUIRED X _____

- L. Travel time (incl. on-site repairs and/or pick up and delivery) is included within the labor or service warranty.

REQUIRED X _____ NOT REQUIRED _____

2. **MATERIALS:**

Only new, unused, first quality material and/or equipment shall be offered by the bidder.

3. **BID RESULTS:**
The bidder must supply a self-addressed, stamped envelope for obtaining bid results. **NO** bid results will be given by telephone.

4. **ADDENDUM**
Any interpretation of the specifications will be mailed to each bidder receiving a set of the bid documents. Bidders shall acknowledge receipt of such addendum by returning the addendum form.

5. **BID DEPOSIT**
A 10% bid deposit (certified check, cashier's check, or bank draft) or bid bond is required to accompany this bid. Failure to do so will eliminate the bid.

REQUIRED _____ **NOT REQUIRED** **X** _____

6. **PERFORMANCE & PAYMENT BONDS**

A performance bond in the amount of 100% of the bid submitted is required within ten (10) calendar days of acceptance of the bidder's proposal by the City.

The performance bond of the successful bidder shall have a minimum "A" rating as defined in Best's Key Rating Guide, be conditioned on the faithful performance of the requirements of the contract, and shall have as surety a corporate surety authorized to act as such in Illinois. The performance and payment bonds shall cover payment for all labor and material, and insure completion of the project. The bidder will be responsible for all claims for injuries to persons or damages to property or premises arising out of or in connection with his or her operations prior to the acceptance of the finished work or supplies, and that he or she will promptly make payments to all persons supplying him or her or them with labor or materials in the prosecution of the work provided for in the contract; and shall guarantee to indemnify and save the City and its officers and employees harmless from all costs, damages, and expenses arising out of or by reason of the bidder's failure to comply and perform the work and complete the contract in accordance with the specifications.

The performance and payment bonds shall be in conformance with the requirements of the Illinois Act in relation to bonds of bidders entering into contracts for public construction. (Illinois Compiled Statutes Ch. 30, Sec. 550/1, et seq.)

REQUIRED _____ **NOT REQUIRED** **X** _____

7. **GENERAL GUARANTY**

The bidder agrees to (a) hold the City, its agents, and employees harmless from liability of any nature or kind for the use of any copyrighted or un-copyrighted

composition, secret process, patented or unpatented, invention, article, or appliance furnished or used in the performance of the contract in which the bidder is not the patentee, assignee, licensee, or owner; (b) protect the City against latent defective material or workmanship and to repair or replace any damages or marring occurring in transit or delivery; (c) pay for all permits, licenses, and fees and give all notices and comply with all laws, ordinances, and rules of the City and State of Illinois; (d) indemnify City against all claims for personal injury, death, and/or property damage arising out of the project.

8. **ASSIGNMENT**

Assignment of this contract or any part thereof, or any funds to be received thereunder by the bidder shall be subject to the approval of the City of St. Charles.

9. **DEFAULT**

The contract may be cancelled or annulled by the purchasing manager in whole or in part by written notice of default to the bidder upon nonperformance or violation of contract terms. An award may be made to the next lowest bidder, or articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting bidder (or his surety) shall be liable to the City for costs to the City in excess of the defaulted contract prices. The bidder shall continue the performance of this contract to the extent not terminated under the provisions of this clause. Failure of the bidder to deliver materials or services within the time stipulated on his or her bid, unless extended in writing by the purchasing manager, shall constitute contract default.

10. **INSURANCE**

Detailed insurance requirements are included under City of St. Charles Certificate of Insurance Requirements.

The bidder **shall** secure and maintain in effect at all times, at his or her expense, insurance of the following kinds and limits to cover all locations of the bidder's operations in connection with work on his or her company's projects, naming the City of St. Charles as an additional insured. The bidder shall furnish Certificates of Insurance to the City Finance Department Purchasing Office before starting construction or within 10 days after the execution of the contract, whichever date is reached first. All insurance policies shall include a non-cancellation clause provision preventing cancellation without 30 days written prior notice to the City. In case of insurance cancellation, bidder shall obtain a new insurance policy in compliance with this paragraph prior to the effective date of cancellation.

Certificates of insurance must be completed on the ACORD 25-S form, with the cancellation clause revised and revisions initialed. An example is enclosed.

REQUIRED X **NOT REQUIRED** _____

For this **specific** project, the City of St. Charles is requiring a liability umbrella of \$ 5,000,000 (aggregate for this project).

REQUIRED X NOT REQUIRED _____

11. **CERTIFICATE OF COMPLIANCE**

All bidders are required to complete the Certificate of Compliance (attached) as per the Illinois Compiled Statutes Ch. 65, Sec. 11-42.1-1, which will be returned with the bid.

12. **HEALTH AND SAFETY ACT**

All work under this contract shall comply with the Occupational Safety and Health Act (OSHA) of 1975, and all other federal, state or local statutes, rules or regulations affecting the work done under the contract.

13. **PREVAILING WAGE RATE**

This contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 *et seq.* ("the Act"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed. The Department publishes the prevailing wage rates on its website at <http://labor.illinois.gov/>. The Department revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department's web site for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, *including but not limited to*, all wage requirements and notice and record keeping duties.

The successful bidder and each subcontractor shall submit monthly, in person, by mail, or electronically, a certified payroll to the City of St. Charles. The certified payroll shall consist of records of all laborers, mechanics, and other workers employed by them on the project. The records shall include each worker's name, address, telephone number (when available), the last four digits of the worker's social security number, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, and the starting and ending times of work each day. The certified payroll shall be accompanied by a statement signed by the bidder or subcontractor which avers that:

- A. Such records are true and accurate;
- B. The hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required; and

- C. The bidder or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class B misdemeanor.

The City of St. Charles is required to keep the certification records submitted for a period of not less than five years. Furthermore, these records, except an employee's address, telephone number, and social security number, shall be made available in accordance with the Freedom of Information Act.

14. **EXECUTION OF CONTRACT, INSURANCE, & PERFORMANCE & PAYMENT BONDS**

The successful bidder, within ten (10) business days after acceptance of the bidder's offer by the City, shall execute all requested contract documents, supply satisfactory evidence of required insurance, and furnish a satisfactory performance and payment bonds when required by the bid documents. In the event that the bidder fails to furnish required documents, insurance, and performance and payment bonds within ten (10) business days after acceptance of the bidder's offer by the City, then the City's acceptance of the offer shall automatically terminate, and the bid deposit of the bidder shall be retained by the City as reimbursement for administrative costs.

15. **RELEASE OF BID DEPOSITS**

Within a reasonable time after the bid opening, bid deposits of all except the three lowest responsible bidders will be released. The remaining deposits will be released after the successful bidder has executed the contract documents and furnished evidence of the insurance and bonds required by the bid documents.

16. **EQUAL OPPORTUNITY EMPLOYER**

The City of St. Charles is an equal opportunity employer, and all bidders are required to be equal opportunity bidders as defined by all applicable state and federal laws and regulations.

17. **VETERANS PREFERENCE**

The City of St. Charles, per Illinois Compiled Statutes Ch. 330, par. 55/1-55/3, gives preference to veterans for public works contracts, should a tie bid arise between local OR non-local bidders.

18. **CERTIFICATE OF NON-DISQUALIFICATION**

All bidders are required to submit a completed Certificate of Non-Disqualification (attached), as required under Illinois Compiled Statutes, Ch. 720, Sec. 33 E-11.

19. **PROVISIONS OF ST. CHARLES MUNICIPAL CODE**

All bids and contracts shall be in accordance with Title 2, Ch. 2.33 of the City of St. Charles Illinois Municipal code, as from time to time amended, which shall take precedence over and control all aspects of this contract, and which are incorporated herein by reference.

20. **SURVIVAL**

The provisions hereof shall survive and shall not merge with the resulting purchase order or contract awarded to the successful bidder, but shall be additional terms thereof; and the submission of a bid shall be deemed as acceptance of these terms.

21. **CERTIFICATE OF COMPLIANCE WITH SAFETY STANDARDS**

All bidders are required to submit a completed Certificate of Compliance with Safety Standards (attached).

22. **CERTIFICATE OF COMPLIANCE WITH PUBLIC ACT 87-1257 OF THE ILLINOIS HUMAN RIGHTS ACT**

All bidders are required to submit a completed Certificate of Compliance with Public Act 87-1257 of the Illinois Human Rights Act (attached).

23. **WAIVERS OF MECHANICS LIEN**

A. With each application for payment, submit waivers of mechanics liens from the bidder, subcontractors, and suppliers for the construction period covered by the current application. Payment will not be released until the bidder has supplied the City with the waiver of liens.

1. Submit partial waivers on each item for the amount requested, prior to deduction for retainage, on each item.
2. When an application shows completion of an item, submit final or full waivers.
3. The City reserves the right to designate which entries involved in the work must submit waivers.
4. Waiver Delays: submit each application for payment with the bidder's waiver of mechanics lien for the period of construction covered by the application.

A. Initial application for payment: administrative actions and submittals, that must precede or coincide with submittal of the first application for payment, include the following:

1. List of subcontractors.
2. List of principal suppliers and fabricators.
3. Schedule of values.

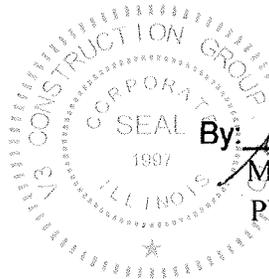
REQUIRED X NOT REQUIRED _____

**CERTIFICATE OF COMPLIANCE OF
ILLINOIS COMPILED STATUTES, CH. 65, SEC. 11-42.1-1**

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that V3 CONSTRUCTION GROUP, LTD. (bidder) is not currently delinquent in the payment of any tax administered by or owed to the Illinois Department of Revenue, or otherwise in default upon any such tax as defined under Ch. 65, Sec. 11-42.1-1, Illinois Compiled Statutes.

V3 CONSTRUCTION GROUP, LTD.
Name of Bidder

By: 
MICHAEL FAMIGLIETTI, P.E.
PRESIDENT

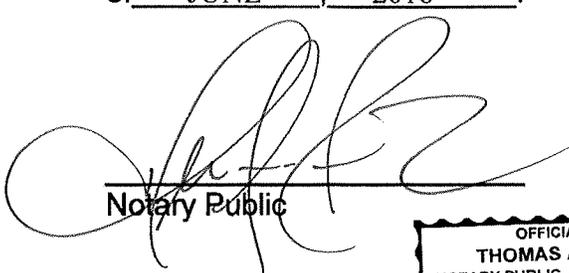


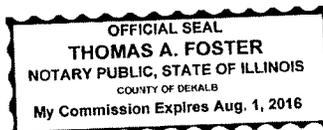
State of ILLINOIS),

ss.

County of DeKALB)

Subscribed and sworn to
before me this 28TH day
of JUNE, 2016.


Notary Public



CERTIFICATE OF COMPLIANCE WITH SAFETY STANDARDS

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that V3 CONSTRUCTION GROUP, LTD. (bidder) shall comply with all local, state and federal safety standards.

V3 CONSTRUCTION GROUP, LTD.
Name of Bidder

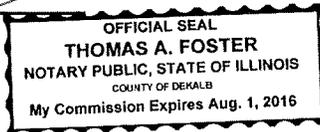


By: 
MICHAEL FAMIGLIETTI, P.E.
PRESIDENT

State of ILLINOIS),
ss.
County of DeKALB)

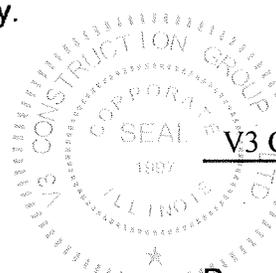
Subscribed and sworn to
before me this 28TH day
of JUNE, 2016.


Notary Public



CERTIFICATE OF COMPLIANCE WITH PREVAILING WAGE RATE ACT

The undersigned, upon being first duly sworn, hereby certifies to the City of St. Charles, Kane and DuPage Counties, Illinois, that all work under this contract shall comply with the Illinois Prevailing Wage Act, 820 ILCS 130/.01, et. seq, (the "Act") and current City ordinance, to the extent required by law. Contractors shall submit monthly certified payroll records to the City.



V3 CONSTRUCTION GROUP, LTD.
Name of Contractor

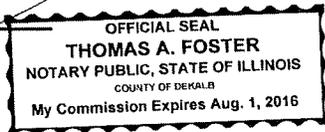
By:
MICHAEL FAMIGLIETTI, P.E.
PRESIDENT

State of ILLINOIS),
ss.
County of DeKALB)

Subscribed and sworn to
before me this 28TH day
of JUNE, 2016.

Notary Public

/cjb
Bidders Section II





Illinois Department of Revenue
 Office of Local Government Services
 Sales Tax Exemption Section, 3-520
 101 W. Jefferson Street
 Springfield, IL 62702
 217 782-8881

January 2, 2015

CITY OF ST CHARLES
 DIRECTOR OF FINANCE
 TWO EAST MAIN ST
 ST CHARLES IL 60174

Effective January 1, 2015, we have renewed your governmental exemption from payment of the Retailers Occupation Tax, the Service Occupation Tax (both state and local), the Use Tax, and the Service Use Tax, as required by Illinois law.

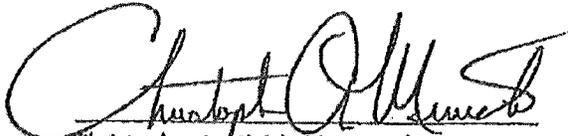
We have issued the following new tax exemption identification number:

E9996-0680-07
 to
 CITY OF ST CHARLES
 of
 ST CHARLES, IL

The terms and conditions governing use of your exemption number remain unchanged.

Office of Local Government Services
 Illinois Department of Revenue

Issued To: _____
 Company: _____
 Date Issued: _____
 Project: _____
 Dates Valid: _____


 Christopher A. Minick, Director of Finance



City of St. Charles Certificate of Insurance Requirements

Contractors shall carry all insurance coverage required by law. In addition, the Contractor shall carry, at its own expense, at least the following insurance coverage with a duly licensed and registered insurance company in the State of Illinois having a minimum A.M. Best rating of A-VI:

- (a) Workers' Compensation & Occupational Diseases Insurance – Statutory amount for Illinois
- (b) General Liability Insurance:
 - 1) Bodily injury, with limits of not less than \$1,000,000 each occurrence/
\$2,000,000 aggregate;
 - 2) Property damage, with limits of not less than \$1,000,000 each occurrence/
\$2,000,000 aggregate;
 - 3) Contractual insurance – broad form, with limits of not less than \$1,000,000 each occurrence/\$2,000,000 aggregate.
- (c) Automotive Liability Insurance:
 - 1) \$1,000,000 each occurrence/
\$2,000,000 aggregate;
 - 2) Property damage, with limits of not less than \$1,000,000 each occurrence/
\$2,000,000 aggregate. Property damage insurance coverage shall include non-owned, hired, leased, or rented vehicles, as well as owned vehicles.
- (d) Umbrella liability \$5,000,000.



-
- (e) Contractor's insurance policy shall name City as an additional insured on the General Liability, Automotive Liability and Excess Liability insurance policies. The insurance coverage shall be written with insurance companies acceptable to City. All insurance premiums shall be paid without cost to City. The Contractor shall furnish to City a Certificate of Insurance attesting to the respective insurance coverage for the full contract term. Contractor shall submit satisfactory proof of insurance simultaneously with the execution of the contract.

 - (f) All insurance policies shall provide that the City shall receive written notice of cancellation or reduction in coverage of any insurance policy thirty (30) days to the effective date of cancellation.

City of St. Charles
 BID TAB
 Stuarts Crossing Basin

ITEMS	Quantity	Unit Price	Total Price
PRECONSTRUCTION VIDEO TAPING	L Sum 1	\$ 750.00	\$ 750.00
CONSTRUCTION LAYOUT & AS-BUILT SURVEY	L Sum 1	\$ 9,000.00	\$ 9,000.00
MOBILIZATION	L Sum 1	\$ 21,560.60	\$ 21,560.60
TRAFFIC CONTROL and PROTECTION	L Sum 1	\$ 4,500.00	\$ 4,500.00
SHRUB REMOVAL	EACH 25	\$ 11.50	\$ 287.50
TREE REMOVALS (6 TO 15 UNITS)	UNIT 194	\$ 20.00	\$ 3,880.00
STABILIZED CONSTRUCTION ENTRANCE	EACH 1	\$ 4,500.00	\$ 4,500.00
TEMPORARY FENCE	LF 2150	\$ 2.25	\$ 4,837.50
INLET PROTECTION	EACH 3	\$ 230.00	\$ 690.00
SILT FENCE	LF 1250	\$ 2.15	\$ 2,687.50
DEWATERING	L Sum 1	\$ 10,000.00	\$ 10,000.00
TOPSOIL EXCAVATION AND PLACEMENT, 6"	SY 498	\$ 5.50	\$ 2,739.00
EARTH EXCAVATION, SPECIAL	CY 350	\$ 28.50	\$ 9,975.00
ROCK TOE	TON 305	\$ 90.00	\$ 27,450.00
COIR FIBER ROLL	FOOT 420	\$ 36.65	\$ 15,393.00
STONE OUTCROPPING	SF 1410	\$ 45.00	\$ 63,450.00
RESET 18" CONCRETE PIPE END-SECTION	EACH 1	\$ 800.00	\$ 800.00
RESET CONCRETE OUTLET TOE BLOCK	EACH 2	\$ 800.00	\$ 1,600.00
ROCK OUTLET PROTECTION, 15"	SQ YD 13	\$ 150.00	\$ 1,950.00
TEMPORARY COVER CROP SEEDING	ACRE 0.79	\$ 500.00	\$ 395.00
MULCH PLACEMENT, 3"	SQ YD 1785	\$ 1.75	\$ 3,123.75
LOW PROFILE GRASSES, SEDGES, & RUSHES SEEDING	ACRE 0.60	\$ 5,000.00	\$ 3,000.00
SHORELINE SEEDING	ACRE 0.04	\$ 10,000.00	\$ 400.00
TRANSITIONAL BUFFER SEEDING	ACRE 0.15	\$ 5,000.00	\$ 750.00
WEED CONTROL PRIOR TO PLANTING	ACRE 0.79	\$ 2,531.65	\$ 2,000.00
EROSION CONTROL BLANKET	SQ YD 3824	\$ 2.75	\$ 10,516.00
NATIVE PLANT PLUGS	EACH 5292	\$ 5.50	\$ 29,106.00
GOOSE HERBIVORY PROTECTION	ACRE 1.0	\$ 3,850.00	\$ 3,850.00
ECOLOGICAL MANAGEMENT (3 YEARS)	YEAR 3	\$ 6,000.00	\$ 18,000.00
MOWING (3/YEAR)	YEAR 3	\$ 265.00	\$ 795.00
PRESCRIBED BURN	ACRE 0.79	\$ 6,885.00	\$ 5,439.15

TOTAL: \$ 263,425.00



Document A310™ - 2010

Bid Bond

CONTRACTOR:

(Name, legal status and address)

V3 Construction Group, LTD
7325 Janes Avenue
Woodridge, IL 60517

SURETY:

(Name, legal status and principal place of business)

Washington International Insurance Company: New Hampshire Corporation
475 N. Martingale Road Ste 850
Schaumburg, IL 60173

OWNER:

(Name, legal status and address)

City of St. Charles
Two East Main Street
St. Charles, IL 60174

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: Ten Percent of the Amount of Bid----- (--10%--)

PROJECT:

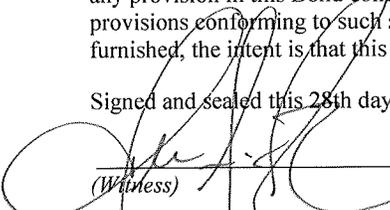
(Name, location or address, and Project number, if any)

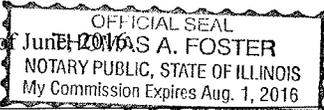
Stuarts Crossing Basin Shoreline Stabilization, Bid #160628

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

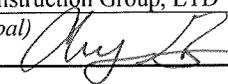
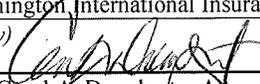
If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 28th day of June, 2016

(Witness)




(Witness)

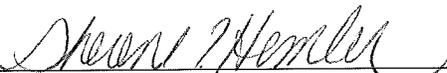
V3 Construction Group, LTD
(Principal)  (Seal) VICE PRESIDENT
(Title)
Washington International Insurance Company
(Surety)  (Seal)
(Title) Carol A. Dougherty, Attorney In Fact

CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.

Surety Company Acknowledgement

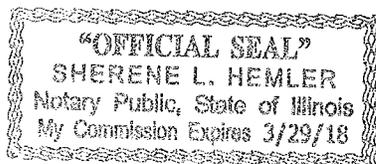
STATE OF **ILLINOIS**
COUNTY OF **COOK** SS.:

On this 28th day of June, 2016, before me personally appeared **Carol A. Dougherty**, to me known, who, being by me duly sworn, did depose and say: that (s)he resides at **Schaumburg, Illinois**, that (s)he is the **Attorney in Fact** of **Washington International Insurance Company**, the corporation described in and which executed the annexed instrument; that (s)he knows the corporate seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; that (s)he signed his/her name thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.



Notary Public in and for the above County and State

My Commission Expires: 03/29/18



NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Manchester, New Hampshire, and Washington International Insurance Company, a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Schaumburg, Illinois, each does hereby make, constitute and appoint:

J.S. POHL, ROBERT B. SCHUTZ, JAMES L. SULKOWSKI, CAROL A. DOUGHERTY, ROBERT E. KAPPUS, SHERENE L. HEMLER, MIKE POHL, MEREDITH H. MIELKE, JOHN E. ADAMS, GERALD C. OLSON, ROBERT W. MIELKE, JESSICA ANCONA, and KIRK LISKIEWITZ

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of: FIFTY MILLION (\$50,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on the 9th of May, 2012:

"RESOLVED, that any two of the Presidents, any Managing Director, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."



By [Signature] Steven P. Anderson, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company



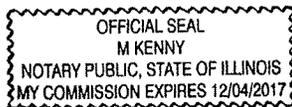
By [Signature] Michael A. Ito, Senior Vice President of Washington International Insurance Company & Senior Vice President of North American Specialty Insurance Company

IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this June day of September, 2015.

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois ss:
County of Cook

On this June day of September, 2015, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Michael A. Ito, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature] M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Assistant Secretary of North American Specialty Insurance Company and Washington International Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company and Washington International Insurance Company, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 28th day of June, 2016.

[Signature] Jeffrey Goldberg, Vice President & Assistant Secretary of Washington International Insurance Company & North American Specialty Insurance Company



Year	Project	Contract Amount	Location	Owner
2006	Clark Island Renovation	\$ 1,115,000	Batavia, IL	Batavia Park District
2007	Spring Brook Creek Re-Meander	\$ 3,550,000	Naperville, IL	Forest Preserve Dist. Of DuPage Co.
2008	McDowell Grove Dam Modification	\$ 1,400,000	Naperville, IL	DuPage County Stormwater Mgmt
2009	Hadley Valley Wetland Restoration	\$ 3,250,000	Will County, IL	Forest Preserve District of Will County
2010	Veterans Island Stabilization	\$ 1,000,000	Batavia, IL	Fox Valley Park District
2011	Cantigny Stream Stabilization	\$ 385,000	Wheaton, IL	Cantigny
2012	Prentiss Creek Naturalization	\$ 275,000	Downers Grove, IL	Village of Downers Grove
2013	West Branch Dupage River	\$ 8,000,000	Carol Stream, IL	DuPage County - Stormwater Mngmnt
2014	Dead Dog Creek Restoration	\$ 650,000	Winthrop Harbor, IL	Village of Winthrop Harbor
2015	Thorne Creek Stabilization	\$ 200,000	Joliet, IL	Joseph J. Henderson & Son, Inc.
2016	Tinley Creek	\$ 3,500,000	Crestwood, IL	Industria, Inc. (MWRD)

Owner	Contact	Phone	Fax
Batavia Park District	Jim Eby	630-879-5235	630-879-9537
Forest Preserve Dist. Of DuPage Co.	Leslie Burns	630.933.7671	630.933.7204
DuPage County Stormwater Mgmt	Sarah Ruthko	630-407-6676	630-407-6701
Forest Preserve District of Will Count	Ms. Juli Mason	815-722-5373	815-722-3608
Fox Valley Park District	Mr. Michael Erickson	630-897-0516	630-897-2080
Cantigny	Mr. Scott Witte	630-260-8179	630-260-8182
Village of Downers Grove	Andy Sikich	630-434-5467	630-434-5495
DuPage County - Stormwater Mngmn	Sarah Hunn	630-407-6676	630-407-6701
Village of Winthrop Harbor	Michael Novotney	847-377-7700	847-984-5747
Joseph J. Henderson & Son, Inc.	Tom Kegan	847-244-3222	847-244-9572
Industria, Inc. (MWRD)	Jon Kelecus	773-697-0190	773-697-0191



2006 CLARK ISLAND RENOVATIONS

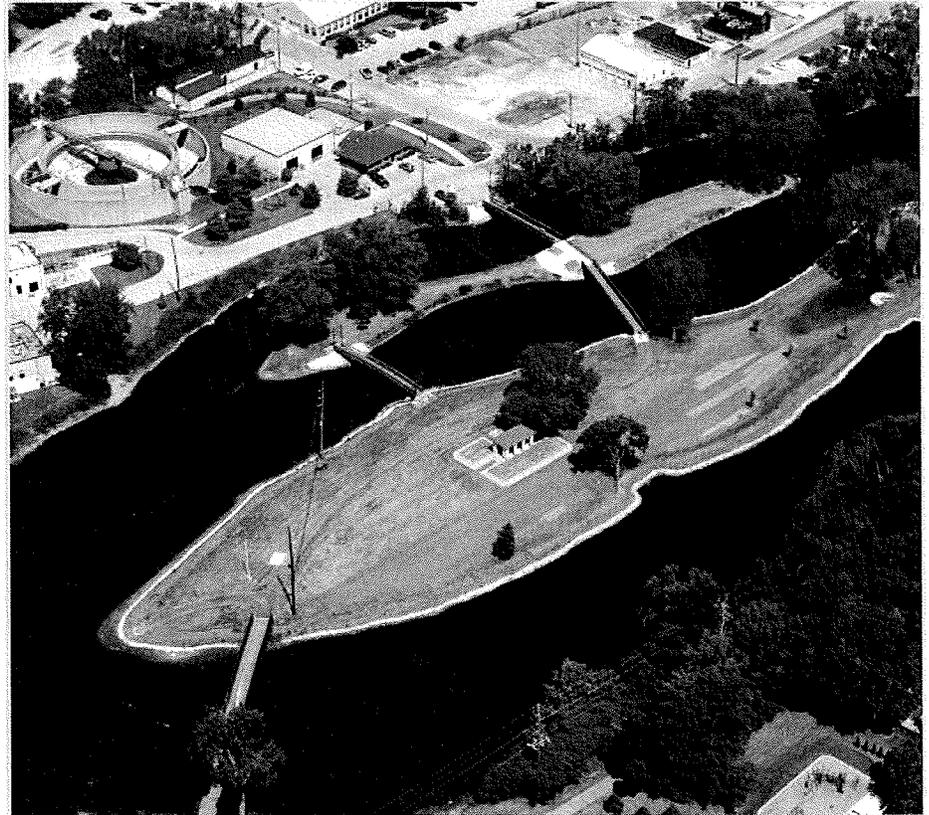
CLIENT: BATAVIA PARK DISTRICT

V3 SERVICES

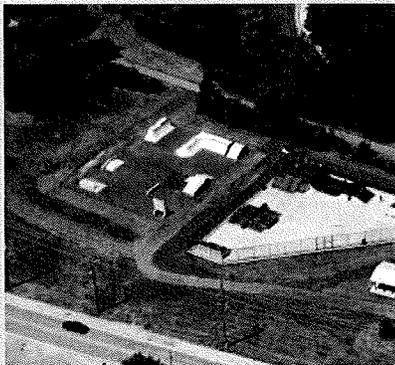
- Construction Management
- DuPage County, IDNR & Army Corps of Engineers permitting
- Sediment & Erosion Control Design
- Floodway & Floodplain Analyses

PROJECT DETAILS

- Location: Batavia, Illinois



- This project focused on providing shoreline stabilization to Clark Island to prevent further erosion of the island
- Another goal was to improve public access to the island, which was achieved by replacing old pedestrian bridges with new steel bridges
- A unique aspect of this project was that two haul roads were required to be built through the Fox River to allow construction access; one from the east shoreline to Clark Island and one from Clark Island to a small island located between it and the west shoreline of the Fox River
- V3 was the general contractor on this project as well as self-performing the earthwork construction
- The scope of work included two temporary crossings installed in the Fox River; installation of shoreline stabilization for Clark Island including fishing stations, pedestrian bridge demolition, installing two new pedestrian bridges, renovation of the shelter on Clark Island and a new asphalt bike path
- Improvements were also made to the shoreline area of the park, which included a new BMX park, a new playground area, ball field lighting and restoration of an existing stone bridge





2007 SPRINGBROOK TRIBUTARY No. 2 MEANDER PROJECT

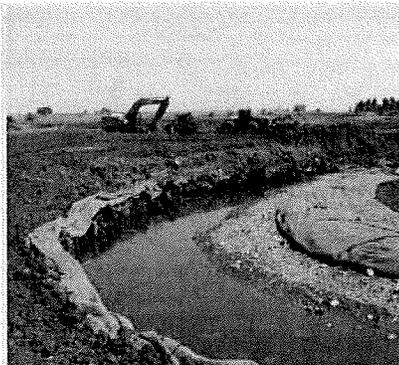
CLIENT: FOREST PRESERVE DISTRICT OF DUPAGE COUNTY

V3 SERVICES

- Ecological Construction & Restoration
- Self-Performed Earthwork
- Native Plant & Seed Installation
- Construction Layout
- Record Drawing Preparation

PROJECT DETAILS

- Location: Naperville, Illinois
- Construction Cost: \$4,981,113



- The project's primary ecological objectives were to improve habitat, reduce bank erosion and improve water quality within a 1.5-mile channelized stream running through this Springbrook Prairie Nature Preserve
- The project's engineering objectives focused on reconnecting the stream to the historic floodplain to improve its ability to absorb larger volumes of water and dissipate energy in major storm events
- The remeandered stream bed was designed to elevate it to normal entrenchment conditions and to saturate hydric soils to form a riparian wetland zone that would absorb floodwaters
- Constructed to mimic a naturally-made stream bed, each bend in the new channel was excavated deeper to create a pool, each crossover was elevated to create a riffle and the stone-lined channel bottom was sloped to follow the water flow
- The stream bank was stabilized using root wads and footer logs in the bends of the newly meandered creek and the top of the bank was stabilized with 10-foot-wide by 1-foot-deep burrito-style wrapped topsoil
- A major project challenge involved building the new channel over the old channel while maintaining stream flows
- All construction, stabilization, seeding restoration and planting were completed by V3
- This project won the Illinois ASCE Outstanding Civil Engineering Achievement Award (less than \$5 million)



2008

McDOWELL GROVE DAM MODIFICATION

CLIENT: DUPAGE COUNTY DIVISION OF STORMWATER MANAGEMENT

V3 SERVICES

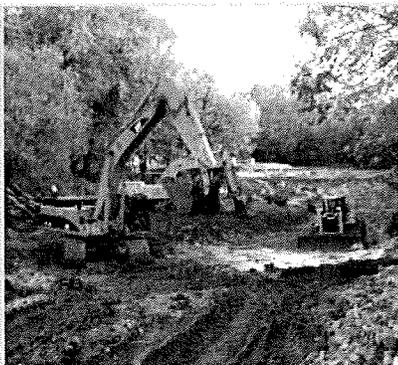
- Construction Management
- Eathwork
- Shroeline Stabilization
- Dredging
- Project Documentation
- Change Orders & Pay Estimates
- Record Drawings
- Construction Layout
- Measurement of Quantities
- Cost Control
- Schedule Preparation & Analysis



PROJECT DETAILS

- Location: Naperville, Illinois
- Project Value: \$1,410,700

- The purpose of the project was to modify a three-foot-high dam at the McDowell Grove Forest Preserve to return a portion of the West Branch of the DuPage River to a healthier, more natural water way
- Goals of this project were to improve fish passage and species diversity upstream of the existing dam, along with safety improvements for canoe and kayak usage by removing the structure
- V3's project scope centered on diverting 700-linear-feet of the West Branch to allow for river reconstruction activities, involving the installation and maintenance of a bypass pumping system and modifications to the existing dam
- Restoration best management practices included removal of sediment from the river bed, the placement of bank load material and installation of aquatic habitat features
- To meet grant funding deadlines, the project required an aggressive schedule — one that started in August and ended in November of the same year
- A major challenge arose in the form of a 100-year-flood event that put the construction area nine feet under water and led to subsequent spikes in river flow volumes causing a three-week delay
- The project was funded by a grant from the Natural Resources Conservation Service





2009

HADLEY VALLEY WEST PRESERVE

CLIENT: FOREST PRESERVE DISTRICT OF WILL COUNTY

V3 SERVICES

- Creek Morphology Analysis, Hydraulic Modeling, Floodway Permitting
- Wetland Delineation & Assessment
- Native Planting Design & Specifications
- Construction Drawings & Contract Documents
- Earthwork & Grading
- Native Plant & Seed Installation
- Ecological Management & Monitoring



PROJECT DETAILS

- Location: New Lenox, Illinois

- The restoration of 300 acres of wetland and savanna communities occurred as part of 1,200-acre greenway project related to a tollway extension project (managed by V3's construction engineering group)
- The existing agricultural ditch was analyzed, modeled and restored to a 7000-linear-foot remeandered creek that mirrored its 1939 condition; an increase of 1,150 linear feet
- Restoration design and construction included moving 64,000 cubic yards of earthwork, drain tile removal, riffle placement, erosion control measures, planting 148,000 wetland plugs, seeding seven tons of prairie and wetland seeds and on-going ecological management
- All restoration construction and ecological environment creation activities were conducted by V3's ecological and construction management teams
- V3 conducted all ecological monitoring, management and reporting from 2007-2011
- All performance standards were met in 2011 and a project sign-off was received from the USACE on September 5, 2012
- 2008 Conservation & Native Landscaping Award Winner from the USEPA/Chicago Wilderness Conservation





VETERANS ISLAND²⁰¹⁰ SHORELINE STABILIZATION

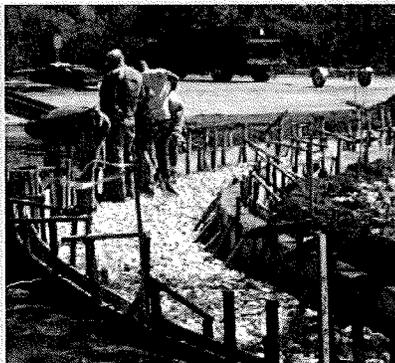
CLIENT: FOX VALLEY PARK DISTRICT

V3 SERVICES

- General Contracting
- Excavation
- Lannon Stone Wall Construction
- Slope Stabilization
- Native Planting & Seeding
- Construction Layout

PROJECT DETAILS

- Location: Aurora, Illinois



- V3 served as contractor for this \$700,000 shoreline stabilization and erosion protection project
- Project improvements included the installation of 3,000 lineal feet of lannon stone ledge rock retaining wall, outcroppings and footings and 750 lineal feet of five-foot-wide boulder toe
- Challenges included dewatering to install the footing for the retaining wall construction and the presence of sand subgrade (rather than the typical bedrock subgrade found along the Fox River); this made it impossible to excavate the area and keep material out of the footing area
- Further complicating construction efforts, a 100-year rain event and several intermittent storms significantly raised the Fox River water level
- V3 addressed the challenge by adding trench boxes to the dewatering plan and along with using sand bags to successfully excavate and dewater the area for the concrete footing
- A 2,000-square-foot paver-and-ledge rock seating plaza also was constructed, along with a permeable paver walkway and logo feature and stamped and colored accent concrete surfaces
- Portions of a deteriorating asphalt parking lot were restored as part of the project scope
- Activities also included construction of a coffer dam and installation of native plantings to further stabilize and restore the shoreline



2011

WOODSIDE HOLE #2 STREAMBANK STABILIZATION & FAIRWAY GRADING

CLIENT: CANTIGNY GOLF COURSE

V3 SERVICES

- General Contracting
- Excavation
- Lannon Stone Wall Construction
- Slope Stabilization
- Native Planting & Seeding
- Construction Layout

PROJECT DETAILS

- Location: Wheaton, Illinois
- Total Construction Cost: \$424,000



- V3 served as contractor for this \$424,000 streambank stabilization and fairway grading project
- The project involved 2,200 linear feet of streambank stabilization and incorporated a holey boulder retaining wall, coir fiber logs and rock riffles
- Soil lifts were required and planting elements included a vegetated stone toe,, native planting and seeding
- Because of the stream's location on the golf course, the fairways required reshaping and grading
- V3 worked very closely with the golf course architect to achieve his vision for the hole layout





2012

PRENTISS CREEK RESTORATION

CLIENT: VILLAGE OF DOWNERS GROVE

V3 SERVICES

- Design/Build Project Delivery
- Ecological Design, Construction & Restoration
- Hydraulic Modeling
- Permit Coordination
- Vegetation Clearing
- Dam Removal
- Native Area Planting
- Gabion Basket Shoreline Stabilization
- Native Area Maintenance & Monitoring
- Construction Layout
- As-Built Record Drawings



PROJECT DETAILS

- Location: Downers Grove, Illinois



- This project consisted of an existing on-line pond located along Prentiss Creek wherein creek sediment deposition, mud flats, low water levels and poor water quality was observed
- V3 dredged and excavated the sediment to create a deep permanent pool behind the existing concrete weir
- V3 stabilized 1,000-lineal-feet of shoreline with native plantings, constructed 100 lineal feet of 10-foot-high gabion wall construction to stabilize the adjacent property and installed 11,000 wetland, shoreline and emergent native plants to improve water quality and habitat
- Streambank stabilization was performed around the eroded areas to reduce potential for further sediment build-up within the pond
- Review of landscaping procedures and practices in the subdivision and the direct tributary drainage area was necessary. V3 proposed that the use of fertilizers high in nutrients, especially phosphorus, were contributing to the algae bloom and duckweed problem and suggested alternate fertilizing methods
- Although the impoundment had a vegetated edge around most of the pond, native vegetation was expanded which helped reduce the nutrients impact as well as discourage the presence of geese, which also likely contributed to water quality concerns
- V3 removed the existing dam to re-establish a flowing channel through the project area and plant the current impoundment area with native and wetland vegetation (outside the new stream corridor)



2013

WEST BRANCH FOREST PRESERVE WETLAND, FEN & RIVER RESTORATION

CLIENT: DUPAGE COUNTY DEPARTMENT OF STORMWATER MANAGEMENT

V3 SERVICES

- Prime Contractor Project Delivery
- Value Engineering & Alternative Methods Study
- Hydraulic Modeling
- IDNR, USACE, KDSW & County Permitting
- Invasive Species & Woody Debris Clearing
- River Diversion Channel Design & Construction
- Sheet Pile Installation
- Shoreline Stabilization (root wad, boulder, cobble, etc.)
- Native Area Planting
- Wetland, Emergent & Upland Seeding
- Native area Maintenance & Monitoring
- Construction Layout & As-Built Record Drawings

PROJECT DETAILS

- Location: DuPage County, Illinois
- Project Value: \$8,400,000



- This multi-year project involved the restoration of a 350-acre preserve. It included a one-mile section of the West Branch of the DuPage River, 150-acres of wetlands, a 34-acre fen and 125-acres of prairie
- Project goals included improving stormwater management, enhancing aquatic and terrestrial habitat and replacing invasive species with native communities
- The river restoration posed a daunting challenge, requiring a solution that involved diverting the existing river while accommodating 100-year storm event volumes
- V3 restored the river in phases, building three 40-foot-wide by 20-foot-deep lined diversion channels along the length of the river
- The material excavated for the channels were stockpiled out of the floodplain prior to being placed back in the channels and restored
- River enhancements included placing 3,500 linear feet of root wads and 5,000 boulders along the shoreline and river bed to address erosion issues and stabilize the banks
- Strategic areas of the site were re-graded and structural berms constructed to enhance wetland hydrology
- V3 installed 150,000 native plants and will seed more than 200 acres with native plants
- V3 is conducting three years of ecological maintenance and monitoring
- In addition to the County, the Forest Preserve District of DuPage County also directed work related to the enhancement



2014

DEAD DOG CREEK RESTORATION PHASE II

CLIENT: LAKE COUNTY STORMWATER MANAGEMENT COMMISSION

V3 SERVICES

- Chemical & Mechanical Weed Control
- Construction Layout Services
- Earthwork
- Native Plant Installation
- Native Seeding
- Native Shoreline Stabilization
- Post-Construction As-Built Surveys
- Stone Shoreline Stabilization
- Tree Clearing



PROJECT DETAILS

- Location: Winthrop Harbor, Illinois
- V3 was Prime Contractor
- Project Value: \$650,000
- Year Completed: 2014
- Dead Dog Creek is a small tributary to Lake Michigan that drains approximately three square miles of land in northeastern Illinois and southeastern Wisconsin. This section of Dead Dog Creek is located directly upstream from the Illinois Beach State Park Nature Preserve where there are many high quality vegetated communities which need to be protected from sediment deposits
- The project included restoration of 2875 linear feet of Dead Dog Creek located in Winthrop Harbor, Illinois
- The scope of work included 17 rock riffles, five rock points, 2,345 linear feet rock toe, rock step pool, 300 linear feet vegetated geogrid lifts, 2,640 linear feet reshaping slopes, excess material excavation, 11,500 square yards of native seed and erosion control blanket and 12,375 native plugs
- Two years of maintenance and management of the native seed and plugs is included in the project
- This project was closely monitored by the Lake County Stormwater Management team to prevent any sediment from our construction activities to leave the work area. V3 successfully managed the erosion control of the work zone and allowed no additional sediment beyond our construction limits



2015

THORNE CREEK STREAMBANK STABILIZATION

CLIENT: JOSEPH J. HENDERSON & SON INC.

V3 SERVICES

- Earthwork
- Erosion Control Installations
- Gabion Basket Shoreline Stabilization
- Native Seeding
- Native Shoreline Stabilization
- Stone Shoreline Stabilization
- Tree Clearing

PROJECT DETAILS

- Location: Joliet, Illinois
- V3 was Subcontractor
- Project Value: \$190,000
- Year Completed: 2015



- The intent of this project was to prevent further erosion of the streambank along 220 linear feet of Thorne Creek located in Joliet, Illinois
- Scope of work included: installation of 192 linear feet of rock toe; 50 linear feet of bluff stabilization which included Gabion Baskets and soil bag stabilization; pipe protection cap which included Gabion Baskets and grouted rip rap; grade control riffle upstream of streambank stabilization improvements; and installation of native seed, erosion control blanket and hydromulch
- Overhead power lines were located within the work zone so the crew had to execute the work in a way to be safe under these conditions





2016

TINLEY CREEK STREAMBANK STABILIZATION

CLIENT: INDUSTRIA & METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

V3 SERVICES

- Earthwork
- Erosion Control Installations
- Gabion Basket Shoreline Stabilization
- Management, Monitoring & Reporting
- Stone Shoreline Stabilization
- Storm Sewer Installation
- Watermain Installation

PROJECT DETAILS

- Location: Crestwood, Illinois
- Construction Cost: \$3.5M



- V3 Companies and Industria is partnered to complete the this flood control/ streambank stabilization project on Tinley Creek for the Metropolitan Water Reclamation District of Greater Chicago
- Approximately 2,600 linear feet of Tinley Creek will be improved with three distinct stabilization styles:
 - Area one will include extensive widening of the existing creek corridor creating bankfull benches that will be planted with native trees, shrubs and plantings. Area one will also include the installation of nine pool and riffle structures
 - Area two will involve resloping of the creek banks and the subsequent armoring of the banks with approximately 2,000 ton of RR-5 Rip Rap; native trees, shrubs and seed will be installed on the banks above the rip rap
 - Area three will involve the armoring of the banks with approximately 1,200 linear feet of nine-foot-tall Gabion basket walls
- Work commenced in December 2015 and is anticipated to continue through the third quarter of 2016





WALLY LEVERNIER

Project Manager & Senior Ecologist

YEARS OF EXPERIENCE

With V3: 14
Other: 2

EDUCATION

Bachelor of Arts
Biology
Augustana College

CERTIFICATIONS

Certificate of Training in
Corp Wetland Delineation
Manual, Institute for
Wetland and Environmental
Education and Research,
Inc. (2006)

Basic Wildland Certification:
I-100, S-130, S-190 and L-
180 (2006)

Intermediate Wildland Fire
Behavior S-290 (2009)

Illinois Applicator Pesticide
License (2003-present)

Illinois Certified Prescribed
Burn Manager (2010)
#10-082

CONTINUING EDUCATION

Dr. Mohlenbrock Wetland
Plant Identification Course
(2012, 2013)

Mr. Levernier is a Project Manager and Ecologist in V3's Ecological Restoration Group. He is responsible for field management of many of V3's natural resource mitigation and restoration projects. Wally conducts and supervises ecological management activities including native planting and seeding, selective woodland thinning, and herbicide application. He also serves as a Field Ecologist related to stream studies (including the collection of chemical, physical and biological data), endangered species surveys and construction monitoring. Mr. Levernier also serves as V3's prescribed burn coordinator during burn seasons.

NOTEWORTHY PROJECT EXPERIENCE

West Branch Forest Preserve, DuPage County Department of Stormwater Management, DuPage County, Illinois – Senior Ecologist for this multi-year project involving the restoration of a 350-acre preserve. It includes a one-mile section of the West Branch of the DuPage River, 150-acres of wetlands, a 34-acre fen, a 3.5-acre savanna, 61-acres of mesic prairie and approximately 75-acres of additional maintenance. Project goals included improving stormwater management, enhancing aquatic and terrestrial habitat and replacing invasive species with native communities. All plant communities received selective and non-selective mechanical tree and shrub clearing to remove invasive species. Portion of the fen were cleared using hand crews due to potential soil compaction. All restored areas were seeded with native species that have a seed source within 100 miles. In addition, V3 installed 150,000 native plants in wetland areas and along the river corridor. A three-year maintenance and monitoring period is currently being conducted by V3 staff.

Isolated Phragmites & RCG Control at Illinois Beach State Park, Lake County Forest Preserves, Zion, Illinois – Project Manager for this invasive species control project for the 4,160-acre state park. Portions the project area include; State Nature Preserves; high quality pannes, sedge meadows and emergent marshes; and many species of rare plant and animal species. The goal for this project is to reduce the dominance of reed canary grass and phragmites to allow high quality communities to flourish.

Kettle Woods Selective Brush Removal, Forest Preserve District of DuPage County, Darien, Illinois – Project Manager of this 66-acre selective clearing in Waterfall Glen Forest Preserve. The goal for this project was to reduce the density of non-native trees and shrubs to aid in the restoration of the natural communities in the project area. V3 was responsible for identification of target species, cutting and applying the appropriate herbicide, removal of the remaining debris and re-sprout control the following growing season.

Fish Lake Conservancy District, Northwater Consulting, LaPorte County, Indiana – Senior Ecologist this watershed diagnostic study. Field investigation surveys were conducted by V3 to evaluate habitat, biological community and water chemistry characteristic of the watershed. Habitat was evaluated using IDEM's qualitative habitat evaluation index (QHEI) assessment method. Macroinvertebrate communities were sampled using the USEPA's rapid bioassessment protocol for use in wadeable streams and rivers. Water quality analysis was measured in the field using V3's water quality instruments and samples analyzed at a laboratory.



WALLY LEVERNIER

Project Manager & Senior Ecologist

Hadley Valley West Preserve Wetland Mitigation, Forest Preserve District of Will County & IDOT, New Lenox, Illinois – Senior Ecologist for this 300-acre restoration project. Mr. Levernier worked on all phases of the restoration project, including seeding, invasive species management, prescribed burning, herbicide applications, monitoring and reporting. Responsible for managing budgets and schedules, meeting contract requirements and managing subcontractors and field crews. All performance standards were met at the end of the 5 year monitoring and management period and the project has received sign-off from the USACE for successful wetland mitigation.

Hadley Valley Central Forest Preserve Wetland Mitigation, Forest Preserve District of Will County, New Lenox, Illinois – Senior Ecologist for this 180-acre wetland mitigation and restoration project. This project included native prairie and wetland seeding, installation of 180,000 wetland plugs, installation of native trees and shrubs, invasive species management, prescribed burning and ecological monitoring and reporting. Responsible for managing budgets and schedules, meeting contract requirements and managing subcontractors and field crews. Approximately one half mile of stream was re-meandered. Emergent, sedge meadow, wet prairie, prairie and savanna communities were restored. All performance standards were met at the end of the five year monitoring and management period and the project has received sign-off from the USACE for successful wetland mitigation.

Messenger Woods State Nature Preserve Wetland Mitigation, Openlands, New Lenox, Illinois – Senior Ecologist for this 90-acre wetland mitigation and restoration project. Site management included native prairie and wetland seeding, installation of 80,000 wetland plugs, installation of native trees and shrubs, invasive species management, prescribed burning, monitoring and reporting. Responsible for managing budgets and schedules, meeting contract requirement, managing subcontractors and field crews. Emergent, sedge meadow, wet prairie, prairie and savanna communities were restored. All performance standards were met at the end of the five year monitoring and management period and the project has received sign-off from the USACE for successful wetland mitigation.

McLean Boulevard Fen Nature Preserve, Forest Preserve District of Kane County, Elgin, Illinois – Project Manager for the ecological management of this nine-acre fen. Selective herbicide applications were conducted to reduce reed canary grass and common reed. Selective clearing included removing common buckthorn and box elder that were encroaching on seeps. Seed was collected on site and redistributed in cleared areas so no new genotypes were introduced in the fen.

Anderson River Watershed Diagnostic Study, Perry, Spencer, Dubois and Crawford Counties, Indiana – Lead field ecologist for this 164,000 acre watershed diagnostic study. Performed bioassessments using the USEPA's Rapid Bioassessment Protocol II and III. Evaluated streams using the Ohio EPA's Qualitative Habitat Evaluation Index. Low volume flow and high volume flow chemical analysis of water quality was conducted to determine the effects that field run-off have on the river system. A late summer macroinvertebrate community analysis and survey of riparian habitat were also conducted. Identified all macroinvertebrate specimens for this survey. A statistical analysis was conducted to show the relationship between physical, chemical and habitat factors compared to the biological quality.

Barr Creek Post Construction Monitoring, Vanderburgh County, Indiana – The Vanderburgh County Soil and Water Conservation District and the Indiana Department of Natural Resources retained V3 to perform post-construction monitoring study. Mr. Levernier is the field ecologist for this project. The study includes an analysis of historical trends in land use and how it corresponds to water quality changes, an evaluation of land and water conservation practices. A spring and fall analysis of water chemistry, analysis of benthic macroinvertebrate communities, and an evaluation of habitat are being conducted at this site. A statistical analysis was conducted to show the relationship between physical, chemical and habitat factors as they compare to biological quality.

Duck Creek Watershed Diagnostic Study, Franklin County, Indiana – The Franklin County Soil and Water Conservation District and the Indiana Department of Natural Resources retained V3 to perform water quality analysis. This study included an analysis of current and historical trends in land use and how it corresponds to water quality changes. An evaluation of land and water conservation practices was also conducted. An analysis of macroinvertebrates communities and an evaluation of habitat were conducted at six locations during the spring. Water chemistry was



WALLY LEVERNIER

Project Manager & Senior Ecologist

conducted during base flow and high flow. An analysis was done to show the relationship between physical, chemical, and biological elements of the creek. With the data that was collected, recommendations were given to improve water quality and habitat in areas of the watershed.

Lost River Water Quality Analysis, Orange County, Indiana – The Orange County Soil and Water Conservation District and the Indiana Department of Natural Resources retained V3 to perform water quality analysis. Lost River is a karst river system that included a sampling station in Tolliver Cavern that required spelunking. Study tasks include an analysis of historic trends in land use as it relates to water quality; an evaluation of current and past land and water conservation practices. Low volume flow and high volume flow chemical analysis of water quality are taken to see the effects that field run-off has on the river system. A late summer macroinvertebrate community analysis and survey of riparian habitat will also be conducted. A statistical analysis was conducted to show the relationship between physical, chemical, and habitat factors compared to the biological quality. Mr. Levernier is the field ecologist for this study (2004).

Prescribed Burn Management – V3's prescribed burn coordinator during burn season. This includes coordinating burn permits with local and regional agencies and the Illinois Environmental Protection Agency, scheduling burns factoring in weather conditions to safely and effectively conduct burns and leading prescribed burns. Prescribed burns are conducted in marshes, sedge meadows, prairies and savanna ecosystems in rural, urban and suburban settings throughout the Chicagoland area and range in size from less than one acre to 300 acres.

Endangered Species Surveys – Conducted biological and habitat surveys for the federally endangered Indiana Bat (*Myotis sodalis*) at three sites using mist netting to capture bats and participating in tree surveys to locate possible habitat for Indiana Bats. Participated in biological surveys for the state threatened Iowa Darter (*Etheostoma exile*) and Blackchin Shiner (*Notropis heterodon*) surveys at two sites using minnow traps, seining and backpack electrofishing. Has conducted biological or habitat surveys at three sites for the state threatened Blanding's Turtle (*Emydoidea blandingii*). Used road cruising and squareframe mesh turtle trap-sets to try and locate a Blanding's Turtle.

Aquatic Plant Surveys – Participated in the aquatic plant surveys for various lakes in Indiana. Followed protocols provided in the aquatic plant management plan that were established by the Indiana Department of Natural Resources Lake and River Enhancement Program. Found Indiana State Endangered Northeastern bladderwort (*Utricularia resupinata*).

Bat Surveys

Dutch Creek Estates Lot 5&6, Fox Development Corporation, Johnsburg, Illinois - A habitat survey was conducted in order to determine how favorable habitat was for Indiana bats (*Myotis sodalis*). The survey took into account surrounding land use, canopy cover, understory development, and also located potential roost trees.

Winn Property (1,000 Oaks), KLM Builders, Spring Grove, Illinois - A habitat survey was conducted in order to determine how favorable habitat was for Indiana bats (*Myotis sodalis*). The survey took into account surrounding land use, canopy cover, understory development, and also located potential roost trees.

Dalitsch Property, Lake Forest Land Development, Inc., Lake Forest, Illinois - Biological and habitat surveys for the federally endangered Indiana bat (*Myotis sodalis*) were conducted. Biological surveys consisted of conducting mist netting surveys to capture and identify bat species present in the project area. Habitat surveys were conducted in order to determine how favorable habitat was for Indiana bats. The survey took into account surrounding land use, canopy cover, understory development, and also located potential roost trees.

Vermillion Rise Mega Park Wetland Mitigation Bank, Newport Chemical Depot Reuse Authority & Indiana Department of Natural Resources, Newport, Indiana – Habitat Conservation Plan for Indiana and northern long-eared bats, which is creating and restoring bat habitat while taking into account the roosting and foraging preference of each species and balancing that with current and future surrounding land use.