



LAKE COUNTY FOREST PRESERVES
www.LCFPD.org

Preservation, Restoration, Education and Recreation

DATE: April 4, 2016

MEMO TO: Bonnie Thomson Carter, Chair
Planning and Restoration Committee

S. Michael Rummel, Chair
Finance and Administrative Committee

FROM: James L Anderson
Director of Natural Resources

RECOMMENDATION: Recommend approval of a Resolution awarding a Contract for Wildlife Re-Introduction and Post-Release Monitoring within the Lake County Forest Preserves in 2016 to Lincoln Park Zoo, Chicago, Illinois, in a Contract Price not to exceed \$45,000.00.

STRATEGIC DIRECTION SUPPORTED: Conservation, Leadership

FINANCIAL DATA: The total cost of this project is \$88,609.00, of which \$45,000 was obtained from the Forest Preserve Foundation, \$12,360.00 is provided by an Illinois State Wildlife Grant and the Lincoln Park Zoo will contribute in-kind expenses of \$31,249.00 for personnel and other related costs. The contractual cost, up to \$45,000.00, will be charged to the Natural Resources Grant Fund (69644000-709000-56033). No District Funds are being expended.

BACKGROUND: The District has restored forested flatwoods wetlands and grassland habitats for many decades, supporting greater biodiversity. The District's Wildlife Monitoring Program, implemented in 2008, provides the groundwork for identifying which species have not recolonized restoration sites, and for identifying rare species that are in need of further habitat management or population supplementation. Through a conservation partnership with Lincoln Park Zoo, the District and Zoo Researchers have, since 2010, contributed to the supplementation and reestablishment of locally rare and extirpated species including the wood frog, spring peepers, the smooth greensnake, and the meadow jumping mouse. The previous work of the partnership has focused on identifying and monitoring remnant populations of these rare species, establishing protocols for zoo breeding programs, evaluating efficacy of wildlife head-starting and translocation techniques, and monitoring the preliminary outcomes of such applied wildlife conservation approaches.

Because intensive follow-up monitoring data is necessary to evaluate the success of reintroduction and head-starting projects, especially for species with complex life cycles, the proposed work will build on the previous work of the Conservation Partnership, examining the persistence of reintroduced forest amphibian, smooth greensnake, and meadow jumping mice populations, increasing population monitoring efforts in release sites, and expanding head-starting and reintroduction efforts to additional locations within the District.

The District has negotiated previous contracts with the Lincoln Park Zoo to develop captive breeding programs, species recovery plans, and population supplementation and/or reintroduction plans to aid in the recovery of animal species in Lake County. This multi-year effort has been primarily funded through grants totaling \$244,000.

REASON FOR RECOMMENDATION: Committee recommendation and Board approval are required.

REVIEW BY OTHERS: Chief Operations Officer, Director of Finance, Corporate Counsel

PRESENTER: James L. Anderson

**LAKE COUNTY FOREST PRESERVE DISTRICT
LAKE COUNTY, ILLINOIS**

**A RESOLUTION AWARDING A CONTRACT TO THE LINCOLN PARK ZOO FOR
WILDLIFE RE-INTRODUCTION AND POST-RELEASE MONITORING**

WHEREAS, the wood frog, spring peeper, the smooth green snake, and the meadow jumping mouse (the “Species”) are rare wildlife species native to the prairie, savanna, wet meadow habitats and flatwoods of Lake County; and

WHEREAS, the Species have lost a significant amount of their historic range through habitat destruction, conversion of grassland to agriculture, and habitat fragmentation; and

WHEREAS, the Lake County Forest Preserve District (the “District”) contains suitable habitat for the Species, and is aware of several small populations at various forest preserves, but that habitat is lacking in the composition and diversity of wildlife; and

WHEREAS, the Lincoln Park Zoo, through its Urban Wildlife Institute, has provided technical and field assistance to the District for the recovery of wildlife populations in urban settings; and

WHEREAS, the District has collaborated with the Lincoln Park Zoo since 2010 to recover the Species in its forest preserves through the development of a recovery, captive breeding, and population supplementation and/or reintroduction plan (the “Program”); and

WHEREAS, the Program is locally and regionally important for the recovery effort of the Species, which is in greatest need of conservation; and

WHEREAS, the District desires to purchase services to further the Program and assess and provide consulting services for the recovery of populations of the Species (the “Services”); and

WHEREAS, the Director of Natural Resources and the Purchasing Manager have determined that the Services require personal confidence; and

WHEREAS, the Purchasing Manager has solicited a proposal for the Services from the Lincoln Park Zoo; and

WHEREAS, the District’s staff; the Purchasing Manager; the Director of Natural Resources; the Planning and Restoration Committee; and the Finance and Administrative Committee have reviewed the proposal and recommend that the Board of Commissioners (i) find that the proposal submitted by Lincoln Park Zoo be determined to be the proposal that is most advantageous to the District; and (ii) award a contract for the Services to Lincoln Park Zoo (the “Contract”) in an amount not to exceed \$45,000.00 (the “Contract Price”); and

WHEREAS, the Board of Commissioners hereby finds that the proposal for the Services submitted by the Lincoln Park Zoo is the proposal that is most advantageous to the District;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Lake County Forest Preserve District, Lake County, Illinois THAT:

Section 1. Recitals. The recitals set forth above are incorporated as a part of this Resolution by this reference.

Section 2. Award of Contract. A Contract for the Services in the amount of the Contract Price, in substantially the form attached hereto, is hereby awarded to the Lincoln Park Zoo.

Section 3. Execution of Contract. The Executive Director of the District is hereby authorized and directed to execute the Contract for the Services in the amount of the Contract Price.

Section 4. Payments. The Treasurer shall make payments under the Contract only pursuant to and in accordance with the Contract terms.

Section 5. Effective Date. This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

PASSED this _____ day of _____, 2016

AYES:

NAYS:

APPROVED this _____ day of _____, 2016

Ann B. Maine, President
Lake County Forest Preserve District

ATTEST:

Julie Gagnani, Secretary
Lake County Forest Preserve District

Exhibit # _____

Lake County Forest Preserves

www.LCFPD.org



CONTRACT BETWEEN

LAKE COUNTY FOREST PRESERVE DISTRICT

AND

LINCOLN PARK ZOO

FOR THE

WILDLIFE REINTRODUCTION AND MONITORING 2016

**WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN
LAKE COUNTY FOREST PRESERVES**

TABLE OF CONTENTS

<u>ARTICLE I - THE SERVICES</u>	1
<u>1.1 Performance of the Services</u>	1
<u>1.2 Commencement and Completion Dates</u>	1
<u>1.3 Required Submittals</u>	2
<u>1.4 Review and Incorporation of Contract Provisions</u>	2
<u>1.5 Financial and Technical Ability to Perform</u>	2
<u>1.6 Time</u>	2
<u>1.7 Consultant’s Personnel and Sub-Consultants</u>	2
<u>1.8 Owner’s Responsibilities</u>	3
<u>1.9 Owner’s Right to Terminate or Suspend Services for Convenience</u>	3
<u>ARTICLE II - CHANGES AND DELAYS</u>	4
<u>2.1 Changes</u>	4
<u>2.2 Delays</u>	4
<u>2.3 No Constructive Change Orders</u>	4
<u>ARTICLE III - CONSULTANT’S RESPONSIBILITY FOR DEFECTIVE SERVICES</u>	5
<u>3.1 Representation of Compliance</u>	5
<u>3.2 Corrections</u>	5
<u>3.3 Risk of Loss</u>	5
<u>ARTICLE IV - INSURANCE; INDEMNIFICATION</u>	5
<u>4.1 Insurance</u>	5
<u>4.2 Indemnification</u>	6
<u>ARTICLE V - PAYMENT</u>	6
<u>5.1 Contract Price</u>	6
<u>5.2 Taxes, Benefits and Royalties</u>	6
<u>5.3 Progress Payments</u>	6
<u>5.4 Final Acceptance and Final Payment</u>	7
<u>5.5 Deductions</u>	7
<u>5.6 Accounting</u>	7
<u>ARTICLE VI - REMEDIES</u>	8
<u>6.1 Owner’s Remedies</u>	8
<u>6.2 Terminations and Suspensions by Owner Deemed for Convenience</u>	8

**WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN
LAKE COUNTY FOREST PRESERVES**

<u>ARTICLE VII - LEGAL RELATIONSHIPS AND REQUIREMENTS</u>	8
<u>7.1 Binding Effect</u>	8
<u>7.2 Relationship of the Parties</u>	9
<u>7.3 No Collusion</u>	9
<u>7.4 Assignment</u>	9
<u>7.5 Confidential Information</u>	9
<u>7.6 No Waiver</u>	10
<u>7.7 No Third Party Beneficiaries</u>	10
<u>7.8 Notices</u>	10
<u>7.9 Governing Laws</u>	11
<u>7.10 Changes in Laws</u>	11
<u>7.11 Compliance with Laws and Grants</u>	11
<u>7.12 Ownership of Documents</u>	11
<u>7.13 Time</u>	11
<u>7.14 Severability</u>	11
<u>7.15 Entire Agreement</u>	12
<u>7.16 Amendments</u>	12

ATTACHMENT A – SUPPLEMENTAL SCHEDULE OF CONTRACT TERMS

ATTACHMENT B – CONSULTANT'S SCOPE OF WORK

ATTACHMENT C – KEY PERSONNEL

**CONTRACT BETWEEN
LAKE COUNTY FOREST PRESERVE DISTRICT
AND
LINCOLN PARK ZOO
FOR THE
WILDLIFE REINTRODUCTION AND MONITORING 2016**

In consideration of the agreements set forth below, the Lake County Forest Preserve District, a body corporate and politic and unit of local government organized and existing under the Downstate Forest Preserve District Act, 70 ILCS 805/001 et seq., 1899 West Winchester Road, Libertyville, Illinois 60048, ("Owner") and Lincoln Park Zoo a(n) IL 501 (c)(3) nonprofit organization, 2001 North Clark Street, Chicago, IL 60614, ("Consultant") make this Contract as of CONTRACT DATE and hereby agree as follows:

ARTICLE I - THE SERVICES

1.1 Performance of the Services

Consultant shall, at its sole cost and expense, provide, perform, and complete all of the following professional wildlife reintroduction and monitoring services, all of which is referred to in this Agreement as the "Services":

- A. Professional Services. Provide, perform, and complete, in the manner described and specified in this Contract, all professional services necessary to accomplish the "Project," as defined in Attachment A, in accordance with the Scope of Services attached hereto as Attachment B.
- B. Approvals. Procure and furnish all approvals and authorizations specified in Attachment A.
- C. Insurance. Procure and furnish all required certificates and policies of insurance specified in Attachment A.
- D. Standard of Performance. Provide, perform, and complete all of the foregoing in full compliance with this Contract, in a professional manner, and in accordance with the standards of professional practice, care, and diligence in existence at the time of performance of the Services applicable to recognized and qualified consulting firms in the Chicago Metropolitan Area (the "Standard of Performance").

1.2 Commencement and Completion Dates

Consultant shall commence the Services not later than the "Commencement Date" set forth in Attachment A, and shall diligently and continuously prosecute the Services at such a rate as will allow the Services to be fully provided, performed and completed in full compliance with this Contract not later than the "Completion Date" or, if the Services are to be performed in separate phases, the "Completion Dates," set forth in Attachment A. The time of commencement, rate of progress, and time of completion are referred to in this Contract as the "Contract Time."

1.3 Required Submittals

A. Submittals Required. Consultant shall submit to Owner all reports, documents, data, and information required to be submitted by Consultant under this Contract (“Required Submittals”).

B. Time of Submission and Owner’s Review. All Required Submittals shall be provided to Owner no later than the time, if any, specified in Attachment A, or otherwise in this Contract. If no time for submission is specified for any Required Submittal, then that Submittal shall be submitted within a reasonable time in light of its purpose and, in all events, in sufficient time, in Owner’s opinion, to permit Owner to review that Submittal same prior to the commencement of any part of the Services to which that Submittal may relate. Owner shall have the right to require such corrections as may be necessary to make any Required Submittal conform to this Contract. No Services related to any Required Submittal shall be performed by Consultant until Owner has completed review of such Required Submittal with no exception noted. Owner’s review and approval of any Required Submittal shall not relieve Consultant of the entire responsibility for the performance of the Services in full compliance with, and as required by or pursuant to this Contract, and shall not be regarded as any assumption of risk or liability by Owner. The Consultant shall not be held liable for claims of delay caused by the Owner’s failure to timely review and approve any Required Submittal.

C. Responsibility for Delay. Consultant shall be responsible for any delay in the Services resulting from Consultant’s, or its Sub-consultant’s, delay in providing Required Submittals conforming to this Contract.

1.4 Review and Incorporation of Contract Provisions

Consultant represents and declares that it has carefully reviewed, and fully understands, this Contract, including all of its Attachments, all of which are by this reference incorporated into and made a part of this Contract.

1.5 Financial and Technical Ability to Perform

Consultant represents and declares that it is financially solvent, and has the financial resources necessary, and has sufficient experience and competent, and has the necessary capital, facilities, organization, and staff necessary to provide, perform, and complete the Services in full compliance with, and as required by or pursuant to, this Contract.

1.6 Time

Consultant represents and declares that the Contract Time is sufficient time to permit completion of the Services in full compliance with, and as required by or pursuant to, this Contract for the Contract Price.

1.7 Consultant’s Personnel and Sub-Consultants

A. Consultant’s Personnel. Consultant shall provide all personnel necessary to complete the Services, including without limitation, the “Key Project Personnel” identified in Attachment C. Consultant shall provide to Owner telephone numbers at which the Key Personnel can be reached on a 24-hour basis. Consultant and Owner may, by mutual agreement, make changes and additions to the designations of Key Project Personnel. Consultant shall have no claim for a Change Order, for compensation in excess of the Contract Price, or for a delay or extension of the Contract Time as a result of any such termination, reassignment, resignation, or substitution of Key Project Personnel.

**WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN
LAKE COUNTY FOREST PRESERVES**

B. Approval and Use of Sub-Consultants. Consultant shall perform the Services with its own personnel and under the management, supervision, and control of its own organization unless otherwise approved by Owner in writing. All sub-consultants and subcontracts used by Consultant shall be acceptable to, and approved in advance by, Owner. Owner's approval of any sub-consultant or subcontract shall not relieve Consultant of full responsibility and liability for the provision, performance, and completion of the Services in full compliance with, and as required by or pursuant to, this Contract. All Services performed under any subcontract shall be subject to all of the provisions of this Contract in the same manner as if performed by employees of Consultant. Every reference in this Contract to "Consultant" shall be deemed also to refer to all sub-consultants of Consultant. Every subcontract shall include a provision binding the sub-consultant to all provisions of this Contract.

C. Removal of Personnel and Sub-Consultants. If any personnel or sub-consultant fails to perform the part of the Services undertaken by it in compliance with this Contract or in a manner reasonably satisfactory to Owner, Consultant, immediately upon notice from Owner, shall remove and replace such personnel or sub-consultant. Consultant shall have no claim for damages, for compensation in excess of the Contract Price, or for a delay or extension of the Contract Time as a result of any such removal or replacement.

1.8 Owner's Responsibilities

Owner shall, at its sole cost and expense: (i) designate in writing a person with authority to act as Owner's representative and on Owner's behalf with respect to the Services except those matters that may require approval of Owner's Board of Commissioners; (ii) provide to Consultant all criteria and full information as to Owner's requirements for the Project or work to which the Services relate, including Owner's objectives and constraints, schedule, space, capacity and performance requirements, and budgetary limitations relevant to the Project; (iii) provide to Consultant all existing studies, reports, and other available data relevant to the Project; (iv) arrange for access to and make all provisions for Consultant to enter upon public and private property as reasonably required for Consultant to perform the Services; (v) provide surveys describing physical characteristics, legal limitations, and utility locations for the Project and the services of geotechnical engineers or other consultants when such services are reasonably requested by Consultant and are necessary for the performance of the Services, and are not already provided for in this Contract; (vi) provide structural, mechanical, chemical, air and water pollution tests, test for hazardous materials, and other laboratory and environmental tests, inspections, and reports required by law to be provided by Owner in connection with the Project; (vii) review Required Submittals and other reports, documents, data, and information presented by Consultant as appropriate; (viii) except as otherwise provided in Attachment A, provide approvals from all governmental authorities having jurisdiction over the Project when such services are reasonably requested by Consultant; (ix) attend Project related meetings; and (x) give prompt written notice to Consultant whenever Owner observes or otherwise becomes aware of any development that affects the scope or timing of the Services, provided, however, that failure to give such notice shall not relieve Consultant of any of its responsibilities under this Contract.

1.9 Owner's Right to Terminate or Suspend Services for Convenience

A. Termination or Suspension for Convenience. Owner shall have the right, at any time and for its convenience, to terminate or suspend the Services in whole or in part at any time by written notice to Consultant. Every such notice shall state the extent and effective date of such termination or suspension. On such effective date, Consultant shall, as and to the extent directed, stop Services under this Contract, cease all placement of further orders or subcontracts, terminate or suspend Services under existing orders and subcontracts, and cancel any outstanding orders or subcontracts that may be canceled.

**WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN
LAKE COUNTY FOREST PRESERVES**

B. Payment for Completed Services. In the event of any termination pursuant to Subsection 1.9A above, Owner shall pay Consultant (i) such direct costs, including overhead, as Consultant shall have paid or incurred for all Services done in compliance with, and as required by or pursuant to, this Contract up to the effective date of termination; and (ii) such other costs pertaining to the Services, exclusive of overhead and profit, as Consultant may have reasonably and necessarily incurred as the result of such termination. Any such payment shall be offset by any prior payment or payments and shall be subject to Owner's rights, if any, to withhold and deduct as provided in this Contract.

ARTICLE II - CHANGES AND DELAYS

2.1 Changes

Owner shall have the right, by written order executed by Owner, to make changes to the timing or scope of the Services to be provided pursuant to this Contract (a "Services Change Order"). When a Change Order causes an increase or decrease in the amount of the Services, an equitable adjustment in the Contract Price or Contract Time may be made. No decrease in the amount of the Services caused by any Change Order shall entitle Consultant to make any claim for damages, anticipated profits, or other compensation. Consultant shall not undertake any change in the Services without receipt of an executed Change Order from Owner.

2.2 Delays

For any delay resulting from a cause that Consultant could not reasonably avoid or control, Consultant, upon timely written application, shall be entitled to issuance of a Change Order providing for an extension of the Contract Time for a period of time equal to the delay resulting from such unavoidable cause. No extension of the Contract Time shall be allowed for any other delay in completion of the Services.

2.3 No Constructive Change Orders

No claims for equitable adjustments in the Contract Price or Contract Time shall be made or allowed unless embodied in a Change Order. If Owner fails to issue a Change Order including or fully including an equitable adjustment in the Contract Price or Contract Time to which Consultant claims it is entitled or, if Consultant believes that any requirement, direction, instruction, interpretation, determination or decision of Owner entitles Consultant to an equitable adjustment in the Contract Price or Contract Time that has not been included or fully included in a Change Order, then Consultant shall submit to Owner a written request for the issuance of or revision of a Change Order including the equitable adjustment or the additional equitable adjustment in the Contract Price or Contract Time that Consultant claims has not been included or fully included in a Change Order. Such request shall be submitted before Consultant proceeds with any Work for which Consultant claims an equitable adjustment is due and shall, in all events, be submitted no later than two (2) business days after receipts of such Change Order or receipt of notice of such requirement, direction instruction, interpretation, determination or decision. Notwithstanding the submission of any such request, Consultant shall, unless otherwise directed by Owner within two (2) business days after receipt by Owner of such request, proceed without delay to perform the Work in compliance with the Change Order or as required, directed, instructed, interpreted or decided by Owner, and shall, pending a final resolution of the issue, keep a daily record of such Work. Unless Consultant submits such a request within two (2) business days after receipt of such Change Order or receipt of notice of such requirement, direction, instruction, interpretation, determination or decision, Consultant shall be conclusively deemed (i) to have agreed that such Change Order, requirement, direction, instruction, interpretation, determination or decision does not entitle Consultant to an equitable adjustment in the Contract Price or Contract Time; and (ii) to have waived all claims based on such Change Order, requirement, direction, instruction, interpretation, determination or decision.

ARTICLE III - CONSULTANT'S RESPONSIBILITY FOR DEFECTIVE SERVICES

3.1 Representation of Compliance

A. Scope of Representation. Consultant shall perform all Services in conformance with this Contract, free from defects and flaws in design, and in accordance with the Standard of Performance (the "Representation of Compliance").

B. Opinions of Cost. It is recognized that neither Consultant nor Owner has control over the costs of labor, material, equipment or services furnished by others or over competitive bidding, market or negotiating conditions, or construction contractors' methods of determining their prices. Accordingly, any opinions of probable Project costs or construction costs provided for herein are estimates only, made on the basis of Consultant's experience and qualifications and represent Consultant's best judgment as an experienced and qualified professional, familiar with the industry. Consultant does not guarantee that proposals, bids or actual Project costs or construction costs will not vary from opinions of probable cost prepared by Consultant.

3.2 Corrections

Consultant shall be responsible for the quality, technical accuracy, completeness and coordination of all Services under this Contract. Consultant shall correct and remedy all of its errors, omissions, and negligent acts related to the Services, promptly and without charge.

3.3 Risk of Loss

The Services shall be provided, performed, and completed at the risk and cost of Consultant. Consultant shall be responsible for any and all damages to property or persons as a result of Consultant's errors, omissions, or negligent acts and for any losses or costs to repair or remedy any work undertaken by Owner based on the Services as a result of any such errors, omissions, or negligent acts. Notwithstanding any other provision of this Contract, Consultant's obligations under this Section 3.3 shall exist without regard to, and shall not be construed to be waived by, the availability or unavailability of any insurance, either of Owner or Consultant, to indemnify, hold harmless, or reimburse Consultant for such damages, losses, or costs.

ARTICLE IV - INSURANCE; INDEMNIFICATION

4.1 Insurance

Contemporaneous with Consultant's execution of this Contract, Consultant shall provide certificates and policies of insurance evidencing at least the minimum insurance coverage and limits set forth in Attachment A. For good cause shown, Owner may extend the time for submission of the required policies of insurance upon such terms, and with such assurances of complete and prompt performance, as Owner may impose in the exercise of its sole discretion. Such policies shall be in a form reasonably acceptable to Owner and from companies with a general rating of A-, and a financial size category of Class V or better, in Best's Insurance Guide and otherwise reasonably acceptable to Owner. Such insurance shall provide that no change to or cancellation of any insurance, nor any reduction in limits or coverage or other modifications affecting this Agreement, shall become effective until the expiration of thirty (30) days after written notice thereof shall have been given by the insurance company to Owner. Consultant shall, at all times while providing, performing, or completing the Services, including without limitation at all times while providing corrective Services pursuant to Section 3.2 of this Contract, maintain and keep in force, at Consultant's expense, at least the minimum insurance coverage and limits set forth in Attachment A.

4.2 Indemnification

Consultant, without regard to the availability or unavailability of any insurance, either of Owner or Consultant, shall, to the fullest extent permitted by law, indemnify, save harmless, and reimburse Owner against any and all lawsuits, claims, demands, damages, liabilities, losses, and expenses, including reasonable attorneys' fees, that may arise or be alleged to have arisen out of or in connection with Consultant's negligent acts, errors, or omissions, except only to the extent caused by the negligence of Owner.

ARTICLE V - PAYMENT

5.1 Contract Price

Owner shall pay to Consultant, in accordance with and subject to the terms and conditions set forth in this Article V and Attachment A, and Consultant shall accept in full satisfaction for providing, performing, and completing the Services, the amount or amounts set forth in Attachment A ("Contract Price"), subject to any additions, deductions, or withholdings provided for in this Contract.

5.2 Taxes, Benefits and Royalties

The Contract Price includes applicable federal, state, and local taxes of every kind and nature applicable to the Services as well as all taxes, contributions, and premiums for unemployment insurance, old age or retirement benefits, pensions, annuities, or other similar benefits and all costs, royalties, and fees arising from the use on or the incorporation into the Services of patented equipment, materials, supplies, tools, appliances, devices, processes, or inventions. Consultant waives and releases any claim against Owner arising from the payment of any such tax, contribution, premium, benefit, cost, royalty, or fee.

5.3 Progress Payments

A. Payment in Installments. The Contract Price shall be paid in installments in the manner set forth in Attachment A ("Progress Payments").

B. Pay Requests. Consultant shall, as a condition precedent to its right to receive each Progress Payment, submit to Owner an invoice accompanied by such receipts, vouchers, and other documents as may be necessary to reasonably establish Consultant's prior payment for all labor, material, and other things covered by the invoice and the absence of any lien or other interest of any party in regard to the Services performed under this Contract. In addition to the foregoing, such invoice shall include (i) employee classifications, rates per hour, and hours worked by each classification, and, if the Services are to be performed in separate phases, for each phase; (ii) total amount billed in the current period and total amount billed to date, and, if the Services are to be performed in separate phases, for each phase; (iii) the estimated percent completion, and, if the Services are to be performed in separate phases, for each phase; and (iv) Consultant's certification that all prior Progress Payments have been properly applied to the Services with respect to which they were paid. Owner may, by written notice to Consultant, designate a specific day of each month on or before which pay requests must be submitted.

5.4 Final Acceptance and Final Payment

The Services or, if the Services are to be performed in separate phases, each phase of the Services, shall be considered complete on the date of final written acceptance by Owner of the Services or each phase of the Services, as the case may be, which acceptance shall not be unreasonably withheld or delayed. The Services or each phase of the Services, as the case may be, shall be deemed accepted by Owner if not objected to in writing within sixty (60) days after submission by Consultant of the Services or such phase of Services for final acceptance and payment plus, if applicable, such additional time as may be considered reasonable for obtaining approval of governmental authorities having jurisdiction to approve the Services, or phase of Services, as the case may be. Within thirty (30) days after final acceptance, Owner shall pay to Consultant the balance of the Contract Price or, if the Services are to be performed in separate phases, the balance of that portion of the Contract Price with respect to such phase of the Services, after deducting therefrom charges, if any, against Consultant as provided for in this Contract ("Final Payment"). The acceptance by Consultant of Final Payment with respect to the Services or a particular phase of Services, as the case may be, shall operate as a full and complete release of Owner of and from any and all lawsuits, claims, or demands for further payment of any kind for the Services or, if the Services are performed in separate phases, for that phase of the Services.

5.5 Deductions

A. Owner's Right to Withhold. Notwithstanding any other provision of this Contract and without prejudice to any of Owner's other rights or remedies, Owner shall have the right at any time or times, whether before or after approval of any pay request, to deduct and withhold from any Progress or Final Payment that may be or become due under this Contract, such amount as may reasonably appear necessary to compensate Owner for any actual or prospective loss due to: (i) Services that are defective, damaged, flawed, unsuitable, nonconforming or incomplete; (ii) damage for which Consultant is liable under this contract; (iii) liens or claims of lien, regardless of merit; (iv) claims of Sub-consultants, suppliers or other persons, regardless of merit; (v) delay in the progress or completion of the Services; (vi) inability of Consultant to complete the Services; (vii) failure of Consultant to perform any of its obligations under this Contract; (viii) any other failure of Consultant to perform any of its obligations under this Contract; (ix) the cost to Owner including attorneys' fees and administrative costs of correcting any of the aforesaid matters or exercising any one or more of Owner's remedies set forth in Section 6.1 of this Contract.

B. Use of Withheld Funds. Owner shall be entitled to retain any and all amounts withheld pursuant to Subsection 5.5A above until Consultant shall have either performed the obligations in question or furnished security for such performance satisfactory to Owner. Owner shall be entitled to apply any money withheld or any other money due Consultant under this Contract to reimburse itself for any and all costs, expenses, losses, damages, liabilities, suits, judgments, awards, attorneys' fees and administrative expenses incurred, suffered or sustained by Owner and chargeable to Consultant under this Contract.

5.6 Accounting

Consultant shall keep accounts, books, and other records of all its billable charges and costs incurred in performing the Services in accordance with generally accepted accounting practices, consistently applied, and in such manner as to permit verification of all entries. Consultant shall make all such material available for inspection by Owner, at the office of Consultant during normal business hours during this Contract and for a period of three years after termination of this Contract. Copies of such material shall be furnished, at Owner's expense, upon request.

ARTICLE VI - REMEDIES

6.1 Owner's Remedies

If it should appear at any time prior to Final Payment that Consultant has failed or refused to prosecute, or has delayed in the prosecution of the Services with diligence at a rate that assures completion of the Services in full compliance with the requirements of this contract, or has attempted to assign this Contract or Consultant's rights under this contract, either in whole or in part, or has falsely made any representation or warranty in this Contract, or has otherwise failed, refused or delayed to perform or satisfy any other requirement of this Contract, or has failed to pay its debts as they come due ("Event of Default"), and has failed to cure any such Event of Default within five (5) business days after Consultant's receipt of written notice of such Event of Default, Owner shall have the right, at its election and without prejudice to any other remedies provided by law or equity, to pursue any one or more of the following remedies:

- A. Owner may require Consultant, within such reasonable time as may be fixed by Owner, to complete or correct all or any part of the Services that are defective, damaged, flawed, unsuitable, nonconforming or incomplete to accelerate all or any part of the Services, and to take any or all other action necessary to bring Consultant and the Services into strict compliance with this Contract.
- B. Owner may accept the defective, damaged, flawed, unsuitable, nonconforming, incomplete or dilatory Services as part thereof and make an equitable reduction in the Contract Price.
- C. Owner may terminate this Contract without liability for further payment of amounts due or to become due under this Contract.
- D. Owner may withhold from any Progress Payment or Final Payment, whether or not previously approved, or may recover from Consultant any and all costs including attorneys' fees and administrative expenses incurred by Owner as the result of any Event of Default or as a result of actions taken by Owner in response to any Event of Default.
- E. Owner may recover any damages suffered by Owner.

6.2 Terminations and Suspensions by Owner Deemed for Convenience

Any termination or suspension by Owner of Consultant's rights under this Contract for an alleged Event of Default that is ultimately held unjustified shall automatically be deemed to be a termination or suspension for the convenience of Owner under Section 1.9 of this Contract.

ARTICLE VII - LEGAL RELATIONSHIPS AND REQUIREMENTS

7.1 Binding Effect

This Contract shall be binding on Owner and Consultant and on their respective heirs, executors, administrators, personal representatives, and permitted successors and assigns. Every reference in this Contract to a party shall also be deemed to be a reference to the authorized officers, employees, agents, and representatives of such party.

7.2 Relationship of the Parties

Consultant shall act as an independent contractor in providing and performing the Services. Nothing in, nor done pursuant to, this Contract shall be construed (i) to create the relationship of principal and agent, partners, or joint ventures between Owner and Consultant or (ii) to create any relationship between Owner and any sub-consultant of Consultant.

7.3 No Collusion

Consultant hereby represents and certifies that Consultant is not barred from contracting with a unit of state or local government as a result of (i) a delinquency in the payment of any tax administered by the Illinois Department of Revenue unless Consultant is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of the tax, as set forth in 65 ILCS 5/11-42.1-1; or (ii) a violation of either Section 33E-3 or Section 33E-4 of Article 33E of the Criminal Code of 1961, 720 ILCS 5/33E-1 et seq. Consultant hereby represents that the only persons, firms, or corporations interested in this Contract as principals are those disclosed to Owner prior to the execution of this Contract, and that this Contract is made without collusion with any other person, firm, or corporation. If at any time it shall be found that Consultant has, in procuring this Contract, colluded with any other person, firm, or corporation, then Consultant shall be liable to Owner for all loss or damage that Owner may suffer thereby, and this Contract shall, at Owner's option, be null and void.

Consultant hereby represents and warrants that neither Consultant nor any person affiliated with Consultant or that has an economic interest in Consultant or that has or will have an interest in the Work or will participate, in any manner whatsoever, in the Work is acting, directly or indirectly, for or on behalf of any person, group, entity or nation named by the United States Treasury Department as a Specially Designated National and Blocked Person, or for or on behalf of any person, group, entity or nation designated in Presidential Executive Order 13224 as a person who commits, threatens to commit, or supports terrorism, and neither Consultant nor any person affiliated with Consultant or that has an economic interest in Consultant or that has or will have an interest in the Work or will participate, in any manner whatsoever, in the Work is, directly or indirectly, engaged in, or facilitating, the Work on behalf of any such person, group, entity or nation.

7.4 Assignment

Consultant shall not (i) assign this Contract in whole or in part, (ii) assign any of Consultant's rights or obligations under this Contract, or (iii) assign any payment due or to become due under this Contract without the prior express written approval of Owner, which approval may be withheld in the sole and unfettered discretion of Owner; provided, however, that Owner's prior written approval shall not be required for assignments of accounts, as defined in the Illinois Commercial Code, if to do so would violate Section 9-318 of the Illinois Commercial Code, 810 ILCS 5/9-318. Owner may assign this Contract, in whole or in part, or any or all of its rights or obligations under this Contract, without the consent of Consultant.

7.5 Confidential Information

All information supplied by Owner to Consultant for or in connection with this Contract or the Services shall be held confidential by Consultant and shall not, without the prior express written consent of Owner, be used for any purpose other than performance of the Services.

**WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN
LAKE COUNTY FOREST PRESERVES**

7.6 No Waiver

No examination, inspection, investigation, test, measurement, review, determination, decision, certificate or approval by Owner, nor any order by Owner for the payment of money, nor any payment for or use, occupancy, possession or acceptance of the whole or any part of the Services by Owner, nor any extension of time granted by Owner, nor any delay by Owner in exercising any right under this Contract, nor any other act or omission of Owner shall constitute or be deemed to be an acceptance of any defective, damaged, flawed, unsuitable, nonconforming or incomplete Services, nor operate to waive or otherwise diminish the effect of any warranty or representation made by Consultant or of any requirement or provision of this Contract or of any remedy, power or right of Owner.

7.7 No Third Party Beneficiaries

No claim as a third party beneficiary under this Contract by any person, firm, or corporation (other than Owner and Consultant) shall be made or be valid against Owner or Consultant.

7.8 Notices

All notices required or permitted to be given under this Contract shall be in writing and shall be deemed received by the addressee thereof when delivered in person on a business day at the address set forth below or on the third business day after being deposited in the United States mail, for delivery at the address set forth below by properly addressed, postage prepaid, certified or registered mail, return receipt requested.

Notices and communications to Owner shall be addressed to, and delivered at, the following address:

Lake County Forest Preserve District
1899 West Winchester Road
Libertyville, Illinois 60048
Attention: Gary Glowacki

Notices and communications to Consultant shall be addressed to and delivered at the following address:

NAME LINCOLN PARK ZOO
ADDRESS 2001 North Clark Street
CITY STATE Chicago, Illinois 60614
Attention: Dr. Allison Sacerdote-Velat

The foregoing shall not be deemed to preclude the use of other non-oral means of notification or to invalidate any notice properly given by any such other non-oral means.

By notice complying with the requirements of this Section 7.8, Owner and Consultant each shall have the right to change the address or addressee or both for all future notices to it, but no notice of a change of address or addressee shall be effective until actually received.

7.9 Governing Laws

This Contract and the rights of Owner and Consultant under this Contract shall be interpreted according to the internal laws, but not the conflict of laws rules, of the State of Illinois.

7.10 Changes in Laws

Unless otherwise explicitly provided in this Contract, any reference to laws shall include such laws as they may be amended or modified from time to time.

7.11 Compliance with Laws and Grants

Consultant shall perform, or cause its Sub-consultants to perform, the Services in accordance with all required governmental permits, licenses, or other approvals and authorizations, and with applicable statutes, ordinances, rules, and regulations. This requirement includes, but is not limited to, compliance with the Fair Labor Standards Act; any statutes regarding qualification to do business; any statutes prohibiting discrimination because of, or requiring affirmative action based on, race, creed, color, national origin, age, sex, or other prohibited classification, including, without limitation, the Americans with Disabilities Act of 1990, 42 U.S.C. §§ 12101 et seq., and the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq. Consultant shall also comply with applicable conditions of any federal, state, or local grant received by Owner or Consultant with respect to this Contract or the Services.

Consultant shall be liable for any fines or civil penalties that may be imposed or incurred by a governmental agency with jurisdiction over the Services as a result of Consultant's or its sub-consultants' improper performance of, or failure to properly perform, the Services or any part thereof.

Every provision of law required by law to be inserted into this Contract shall be deemed to be inserted herein.

7.12 Ownership of Documents

Consultant and Consultant's sub-consultants shall be deemed the original authors and owners respectively of materials produced pursuant to this Contract and shall retain all common law, statutory and other reserved rights, including copyrights. Consultant hereby grants and conveys to Owner perpetual, irrevocable non-exclusive rights and license to use all Required Submittals and other materials produced under this Contract for District purposes and no other purposes. The Owner agrees to defend and hold the Consultant and the Consultant's sub-consultants harmless from any causes of action, claims, losses, damages and expenses of any nature whatsoever, including reasonable attorney's fees, resulting from any unauthorized re-use of the Consultant's and Consultant's sub-consultants' materials.

7.13 Time

The Contract Time is of the essence of this Contract. Except where otherwise stated, references in this Contract to days shall be construed to refer to calendar days.

7.14 Severability

The provisions of this Contract shall be interpreted when possible to sustain their legality and enforceability as a whole. In the event any provision of this Contract shall be held invalid, illegal, or unenforceable by a court of competent jurisdiction, in whole or in part, neither the validity of the remaining part of such provision, nor the validity of any other provisions of this Contract shall be in any way affected thereby.

**WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN
LAKE COUNTY FOREST PRESERVES**

7.15 Entire Agreement

This Contract sets forth the entire agreement of Owner and Consultant with respect to the accomplishment of the Services and the payment of the Contract Price therefore, and there are no other understandings or agreements, oral or written, between Owner and Consultant with respect to the Services and the compensation therefore.

7.16 Amendments

No modification, addition, deletion, revision, alteration, or other change to this Contract shall be effective unless and until such change is reduced to writing and executed and delivered by Owner and Consultant.

IN WITNESS WHEREOF, Owner and Consultant have caused this Contract to be executed as of the day and year first written above.

(SEAL)

Attest/Witness

LAKE COUNTY FOREST PRESERVE DISTRICT

By: _____
Julie A. Gragnani
Title: Secretary

Alex Ty Kovach
Title: Executive Director

Attest/Witness

LINCOLN PARK ZOO

By: _____
Dr. Seth Magle
Title: Director of Urban Wildlife Institute

By: _____
Dr. Lisa Faust
Title: Vice President of Conservation and Science

ATTACHMENT A - SUPPLEMENTAL SCHEDULE OF CONTRACT TERMS

1. Project:
Provide wildlife reintroduction and monitoring services at various preserves throughout Lake County, which services include, but are not limited to, all of the Services provided in Consultant's detailed Scope of Work. See Attachment B.

2. Approvals and Authorizations:
Consultant shall obtain the following approvals and authorizations from the following governmental bodies on or before the following dates:

<u>Approval/Authorization</u>	<u>Date</u>
-------------------------------	-------------

NONE

3. Commencement Date:
April 25, 2016

4. Completion Date:
April 14, 2017

5. Insurance Coverage:

A. Worker's Compensation and Employer's Liability with limits not less than:

- (1) Worker's Compensation: Statutory
- (2) Employer's Liability:
 - a. \$500,000 injury-per-occurrence
 - b. \$500,000 disease-per-employee
 - c. \$500,000 disease-policy limit

Such insurance shall evidence that coverage applies in the State of Illinois.

B. Motor Vehicle Liability. Employees of consultant using personal vehicles on Owner's property to fulfill the obligations of this contract must provide proof of automobile insurance to Owner, in the form of a copy of their current automobile insurance card, upon execution of this contract.

C. Comprehensive General Liability with coverage written on an "occurrence" basis and with limits no less than:

- (1) General Liability: \$1,000,000 and no General Aggregate plus Excess Liability Policy:
 - a. \$10,000,000 per occurrence: Excess Liability
 - b. \$10,000,000 aggregate: Excess Liability

Coverages shall include:

- ❖ Broad Form Property Damage Endorsement
- ❖ Blanket Contractual Liability (must expressly cover the indemnity provisions of the Contract)

D. Umbrella Policy. The required coverages may be in any combination of primary, excess and umbrella policies. Any excess or umbrella policy must provide excess coverage of underlying insurance on a following-form basis such that

WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN LAKE COUNTY FOREST PRESERVES

when any loss covered by the primary policy exceeds the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.

E. Owner as Additional Insured. Owner shall be named as an Additional Insured on all policies except for:

❖ Worker's Compensation Policy

F. Other Parties as Additional Insured. In addition to Owner, the following parties shall be named as Additional Insured on the following policies:

Additional Insured	Policy or Policies
N/A	N/A

6. Contract Price:

A. Schedule of Prices - Not to Exceed:

For providing, performing, and completing all Services, Consultant shall be compensated for all services rendered by principals and employees directly on the Project at the following hourly rates for the following projects:

POSITION	HOURLY RATE
Forest Amphibian Project	\$20,084.00
Smooth Greensnake Project	\$15,621.00
Meadow Jumping Mouse Project	\$8,926.00

Owner shall also reimburse Consultant for the following (and no other) reimbursable costs and expenses in the following amounts, which shall be reimbursed at the actual out of pocket cost to Consultant:

REIMBURSABLES	AMOUNT
Intern Mileage (54%) 647 miles @ \$0.57/mile	\$368.00

Notwithstanding the foregoing, the total portion of the Contract Price based on performance of services shall not exceed \$ 44,631.00 and the total portion of the Contract Price based on reimbursable expenses shall not exceed \$ \$368.00.

Forty-five thousand Dollars and no Cents
(in writing)

\$45,000 Dollars and 0 Cents
(in figures)

Lump sum amount includes all travel, living and direct project expenses including printing, postage and handling. There shall be no additional costs.

7. Payments:

Regardless of whether the Contract Price is based upon hourly rates or a lump sum, Consultant shall, not later than ten (10) days after execution of the Contract and before submitting its first pay request, submit to Owner a schedule showing the value of each component part or phase of the Services in form and with substantiating data acceptable to Owner ("Breakdown Schedule"). The sum of the items listed in the Breakdown Schedule shall equal the lump sum Contract Price or the not to exceed Contract Price, as the case may be. An unbalanced Breakdown Schedule providing for overpayment of Consultant on component parts or phases of the Services to be performed first will not

**WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN
LAKE COUNTY FOREST PRESERVES**

be accepted. The Breakdown Schedule shall be revised and resubmitted until acceptable to Owner. No payment shall be made for Services until Consultant has submitted, and Owner has approved, an acceptable Breakdown Schedule. When a component or phase of the Services, as identified in the Breakdown Schedule, is complete, Owner will pay Consultant the value of such component or phase as provided in the Breakdown Schedule; however, Owner shall not be required to make payments more frequently than once per month.

All pay requests from Consultant shall be made using the pay request format supplied by Owner.

Owner may require that the approved Breakdown Schedule be revised based on developments occurring during the provision and performance of the Services. If Consultant fails to submit a revised Breakdown Schedule that is acceptable to Owner, Owner shall have the right either to suspend Progress and Final Payments for Services or to make such payments based on Owner's determination of the value of the Services completed.

ATTACHMENT B - CONSULTANT'S SCOPE OF WORK

RECOMMENDATION:

Approve a grant of up to \$45,000 of unrestricted funds to Lincoln Park Zoo to provide wildlife research and monitoring work examining population dynamics of species of conservation concern, their response to restoration, and efficacy of previous reintroduction and supplementation effort in partnership with Lake County Forest Preserve District.

PROPOSED PROJECT:

The Lake County Forest Preserve District (The District) has restored forested flatwoods wetland and grassland habitats for many decades, supporting greater biodiversity. The District's Wildlife Monitoring Program, implemented in 2008, provides the groundwork for identifying which species have not recolonized restoration sites, and for identifying rare species that are in need of further habitat management or population supplementation. Through a Conservation Partnership with Lincoln Park Zoo, the District and Zoo Researchers have, since 2010, contributed to the supplementation and reestablishment of locally rare and extirpated species including the wood frog, spring peepers, the smooth greensnake, and the meadow jumping mouse. The previous work of the Partnership has focused on identifying and monitoring remnant populations of these rare species, establishing protocols for zoo breeding programs, evaluating efficacy of wildlife head-starting and translocation techniques, and monitoring the preliminary outcomes of such applied wildlife conservation approaches.

Because intensive follow-up monitoring data are necessary to evaluate the success of reintroduction and head-starting projects, especially for species with complex life cycles, the proposed work will build on the previous work of the Conservation Partnership, examining persistence of reintroduced forest amphibian, smooth greensnake, and meadow jumping mice populations, increasing population monitoring effort in release sites, and expanding headstarting and reintroduction efforts to additional locations within the District.

From 2007-2010, the District and Dr. Allison Sacerdote-Velat (formerly at Northern Illinois University, currently Reintroduction Biologist at Lincoln Park Zoo) carried out amphibian egg mass translocations in MacArthur Woods following hydrologic restoration. Translocated species included wood frogs, spring peepers, and spotted salamanders. Spring peepers established quickly in two ponds but population sizes are likely still small, and may benefit from additional supplementation. In 2014, District Wildlife Biologists and the Reintroduction Biologist documented the first evidence of successful reproduction and population persistence of reintroduced wood frogs in MacArthur Woods. At present, the Partnership has not observed evidence of spotted salamander establishment. By increasing focus on the population dynamics of the reintroduced amphibians, the Reintroduction Biologist will examine population trends to determine if more supplementation is necessary to maintain viable populations of these forest amphibians, or if they have established large enough populations to be a potential source for an expanded translocation effort to other flatwoods sites such as Ryerson Forest Preserve or Grainger Woods. Further, as the Southern Des Plaines Restoration Project progresses, detailed examination of amphibian response to restoration work will provide valuable management information to the District. With removal of invasive understory shrubs and creation of light gaps for oak regeneration, the partners anticipate improvements in amphibian migration among wetlands, hatching success, and larval survival.

WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN LAKE COUNTY FOREST PRESERVES

In 2010, the Conservation Partnership began work to conserve Smooth Greensnakes, an Illinois Species of Greatest Conservation Need. Smooth Greensnakes were recently designated as a Priority Species for Chicago Wilderness. Since 2010, the Reintroduction Biologist and Lincoln Park Zoo have developed and honed protocols for rearing and head-starting smooth greensnakes. As reproductive output of breeding colony snakes has improved and become more reliable, the Conservation Partnership has the opportunity to increase the number of head-started snakes, and intensify monitoring efforts in release sites. To date, supplementation and reintroduction efforts for smooth greensnakes have occurred in Old School Forest Preserve and Rollins Savanna. While smooth greensnakes continue to breed in Old School, we have only limited survival and persistence data for head-starts released in Rollins Savanna. In 2014, smooth greensnake nests were found in Lyons Woods for the first time, providing the opportunity to expand the scope of the head-starting program to an additional preserve. By increasing monitoring efforts for smooth greensnakes in these grassland sites, and potentially expanding the number of release sites, the Conservation Partnership can enhance conservation management efforts for the species.

In 2012, the Partnership began a conservation assessment and recovery effort focused on Meadow Jumping Mice, a rare grassland dependent species, and an important native seed disperser. A zoo breeding colony was developed, and young mice were released to supplement the Rollins Savanna population in 2013. Through radio-tracking, the Reintroduction Biologist observed disparate home range sizes of mice released with and without acclimation. In 2014, we captured ten times as many meadow jumping mice in Rollins Savanna as in the previous two years. However, zoo breeding colony reproduction was low, and litters that were produced were retained at the zoo. In 2015, the Reintroduction Biologist examined differences in survival and movements of wild meadow jumping mice translocated from Rollins Savanna to Lakewood Preserve. Wild translocated mice exhibited more wandering behavior than zoo-reared mice, but had greater overall survival than zoo-reared mice. By continuing live-trapping efforts in Lakewood Preserve in 2016, Reintroduction Biologist can examine persistence of Meadow Jumping Mice in the translocation site to determine which strategy is most effective for conserving the species and ensure they flourish in Lake County.

APPROACH:

The Lincoln Park Zoo Reintroduction Biologist will work in partnership with the District to accomplish three objectives:

- (1) Monitor populations of forest amphibians in MacArthur Woods, Grainger Woods, Wright Woods, Wright Woods, Ryerson Woods, and Old School Forest Preserve as the Southern Des Plaines Restoration Project (SDPR) progresses. Monitoring will focus on the reintroduced populations of wood frogs and spring peepers, and will continue for spotted salamanders. The Reintroduction Biologist and a technician will monitor resident amphibian community dynamics in the SDPR work sites, and evaluate potential for expansion of amphibian reintroductions in additional forested flatwoods preserves. Lincoln Park Zoo would hire, train, and supervise a technician and purchase equipment, funded in part by a three-year Illinois State Wildlife Grant. The Reintroduction Biologist will analyze demographic data for the amphibian communities, and conduct amphibian disease surveillance as restoration measures are implemented.

**WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN
LAKE COUNTY FOREST PRESERVES**

- (2) Increase Smooth Greensnake population monitoring efforts in Old School, Rollins Savanna, Lyons Woods, and Greenbelt Preserves, monitoring release sites and examining demography of additional remnant populations. Lincoln Park Zoo Animal Care staff will continue breeding and head-starting efforts with the goal of increasing the number of released snakes and expanding the number of release sites.
- (3) Conduct follow-up live trapping in Lakewood Preserve and Rollins Savanna for supplemented Meadow Jumping Mice populations. The Reintroduction Biologist will examine changes in jumping mouse abundance and population viability with zoo supplementation versus wild translocation to guide future conservation management for the species.

DELIVERABLES:

The Reintroduction Biologist will collect population data for reintroduced and resident forest amphibians in the Southern Des Plaines Restoration sites. These data will be used to generate estimates of population size, evaluate the need for further supplementation of reintroduced species, examine disease status of Lake County amphibian communities, and examine amphibian community response to restoration management. This information will inform future management efforts, allowing the District to mitigate persistent threats to amphibians and identify which techniques are most beneficial for amphibian communities.

Lincoln Park Zoo's Reintroduction Biologist and Animal Care staff will continue head-starting efforts for Lake County Smooth Greensnakes with the goals of increasing the number of hatchlings for future releases and the number of sites where releases will occur. Through intensified survey efforts, the Reintroduction Biologist aims to expand headstarting efforts to Lyons Woods and Greenbelt Preserve as nests or reproductive females are encountered in these preserves. Monitoring efforts will increase in Rollins Savanna to gather additional survival and reproduction data for previously released snakes.

The Reintroduction Biologist will provide the District with reports for each taxonomic group (amphibians, Smooth Greensnakes, and Meadow Jumping Mice). The reports will include summaries of demographic trends collected during monitoring, recommendations for future supplementation needs, recommendations for potential expansion of existing head-starting or translocation programs, amphibian community response to restoration management, and amphibian community disease status. The reports will provide guidance for future efforts to conserve these focal species through further beneficial restoration and zoo husbandry approaches.

Project results will be disseminated at professional wildlife conferences including the Society for the Study of Amphibians and Reptiles, and the Midwest Fish and Wildlife Conference. Results of the long-term amphibian restoration study will be submitted for publication in a peer-reviewed journal in collaboration with District Biologists.

**WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN
LAKE COUNTY FOREST PRESERVES**

BUDGET:

Requested from Lake County Preservation Foundation

Personnel/Related Costs:

Reintroduction Biologist (70% of salary and benefits)

Project Coordination, Data Collection, Analysis for:

Forest Amphibian Project	(45% of time)	574 hrs @ \$35/hr	\$ 20,084.00
Smooth Greensnake Project	(35% of time)	446 hrs @ \$35/hr	\$ 15,621.00
Meadow Jumping Mouse Project	(20% of time)	255 hrs @ \$35/hr	\$ 8,926.00
Intern Mileage (54%)	647 miles @ \$0.57/mile		\$ 368.00
<i><u>Subtotal: Lincoln Park Zoo Wildlife Project Contract</u></i>			<i><u>\$45,000.00</u></i>

Provided by Lincoln Park Zoo

Personnel/Related Costs:

Reintroduction Biologist (30% of salary and benefits)	\$ 19,127.00
Greensnake/Jumping Mouse field intern (20 weeks at \$12/hr)	\$ 9,072.00
Mileage for Reintroduction Biologist (4800 miles @ \$0.57/mile)	\$ 2,736.00
Mileage for Field Intern (46%) 550 miles @ \$0.57/mile	\$ 314.00

Provided by Illinois State Wildlife Grant

Personnel/Related Costs:

Amphibian Field Technician (980 hrs @ \$12/hr)	\$ 11,760.00
Equipment (Coverboards and Drift Fence supplies)	\$ 600.00
<i><u>Subtotal provided by Lincoln Park Zoo and Illinois State Wildlife Grant</u></i>	<i><u>\$ 47,022.00</u></i>

Total **\$ 88,609.00**

**WILDLIFE REINTRODUCTION & POST-RELEASE MONITORING IN
LAKE COUNTY FOREST PRESERVES**

Timeline:

Field work for amphibian research will begin in late February/early March with installation of monitoring equipment in MacArthur Woods, Old School, Grainger, Ryerson, and Wright Woods. Amphibian monitoring will continue through the summer, ending in early September (or earlier in the event of drought conditions).

Smooth Greensnake head-starting is in progress at Lincoln Park Zoo. Field sampling will commence in late April and continue through early October. Releases of head-starts will occur in late June or early July, dependent on weather conditions. Egg collection for head-starting will commence in June and continue as nests are encountered, through the end of July.

Field Sampling for Meadow Jumping Mice will commence in early May, with four sampling sessions throughout the active season (early May, mid-June, mid-July, and mid-August). Sampling will consist of live-trapping for 8 nights per week for each sampling session.

The summary report for amphibian, Smooth Greensnake, and Meadow Jumping Mice projects will be submitted to The District by December 31st, 2016.

IMPACT OF THE PROPOSED PROJECT:

Anticipated impacts of this project include:

- Collection and analysis of demographic data to guide future amphibian conservation work in the Southern Des Plaines region, detail amphibian response to restoration measures, and evaluate the need for more supplementation of extirpated species, or the potential for expansion of egg mass translocation to additional flatwoods preserves.
- Follow-up monitoring to determine persistence and reproductive output of head-started Smooth Greensnakes released in Old School Preserve and Rollins Savanna, increased number of snakes for future releases, and potential expansion of releases to new preserves.
- Evaluation of two applied conservation techniques for conserving Meadow Jumping Mice in District sites.

ATTACHMENT C - KEY PERSONNEL

1. Key Project Personnel – Owner

NAMES	TELEPHONE NUMBERS
Gary Glowacki, Wildlife Biologist	847-986-3264
Debbie Maurer, Natural Resource Manager	847-968-3285
Jim Anderson, Director of Natural Resources	847-968-3282

2. Key Project Personnel – Consultant

NAMES	TELEPHONE NUMBERS
Dr. Allison Sacerdote-Velat, Reintroduction Biologist	312-742-9788
Dr. Seth Magle, Director of Urban Wildlife Institute	312-742-7215
Dr. Lisa Faust, Vice President of Conservation and Science	312-742-7227