

INVITATION FOR BID

Bid # PW1807

REQUEST FOR DESIGN-BUILD PROPOSAL
Pritchard Park Wetland & Prairie Restoration

Finance Department
Racine County Courthouse Duane McKinney
730 Wisconsin Avenue Purchasing Coordinator
Racine, WI 53403-1238
Phone (262) 636-3700
Fax (262) 636-3763

April 24, 2018

Dear Prairie Restoration Expert, Prospective Bidder,

In cooperation with Root-Pike Watershed Initiative Network (WIN), Inc., Racine County seeks to restore five acres of wetland, wet meadow and prairie inside Pritchard Park. Racine County is requesting proposals for the restoration services necessary to restore this area to near native wetland and prairie conditions and maintain it for three years. Root-Pike WIN has provided consulting services to Racine County and has helped produce this bid package and scope of work. 100% of the funds needed to complete the project are being provided by Racine County. The parcel is adjacent to existing parkland and resides within the direct drainage sub-watershed of the Pike River. With a contract in place, work could begin immediately, weather and seed availability dependent.

The following pages include project goals, details and maps of the area. The chosen firm will be responsible for the means, methods, implementation and maintenance of the restored prairie.

The Bid Shall Include The Following:

1. Cover letter (summary of the items below – 1 page)
2. Prairie Restoration Experience (1 page)
3. Team Summary (project manager and field supervisor – 1 page)
4. Cost (not-to-exceed implementation and three-year maintenance budget – 1 page)
5. Implementation Plan (written summary of how you will complete the work and achieve goals – 1 page)
6. Maintenance Plan (written summary of how you will maintain the area for three years – 1 page)
7. Schedule (Gantt chart – 1-page)
8. Options and Alternatives with add/deduct costs (suggestions to improve the project – 1 page)
9. Insurance and Bonding (Summary of coverages – 1 page)

10. Project References (Restoration projects successfully completed over the last three years – 1 page)
11. Bid Agreement (Completed Attached Bid Form)

A mandatory pre-bid conference walk-through is scheduled for Wednesday, May 2, 2018 and will begin promptly at 10:00 AM. Interested Contractors shall meet at Pritchard Park in the Southeast corner near the Veterans Memorial.

You are invited to submit a bid to provide a design – build for the Pritchard Park wetland & prairie restoration, for Racine County and Root-Pike WIN. Sealed bids are due on or before 2:00 p.m. on **Tuesday May 15, 2018** at the above address. Late bids will not be accepted.

Responses must be in a sealed envelope or box and show the firm's name, address, and solicitation number on the cover. Your response must be manually signed and dated and include all requested information.

Any questions regarding this Invitation For Bid must be directed to:

Duane McKinney
Purchasing Coordinator
Telephone: 262-636-3700
Facsimile: 262-636-3763
Duane.McKinney@goRacine.org

No other Racine County employee or representative is authorized to provide information or interpret any portion of this solicitation. No contact from a vendor to any Racine County employee or elected official should be made during this process unless authorized by Racine County Finance.

General questions may be directed to the Purchasing Coordinator at 262-636-3700 between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday OR Dave Giordano Root-Pike Watershed Initiative Network, Executive Director at contact information below.

Dave Giordano
Executive Director

Root-Pike Watershed Initiative Network
Office: 262-898-2055
Mobile: 262-496-2199
dave@rootpikewin.org
www.rootpikewin.org
800 Center Street, Room 118, Racine, WI
P.O. Box 044164, Racine, WI 53404

Sincerely,

Duane McKinney

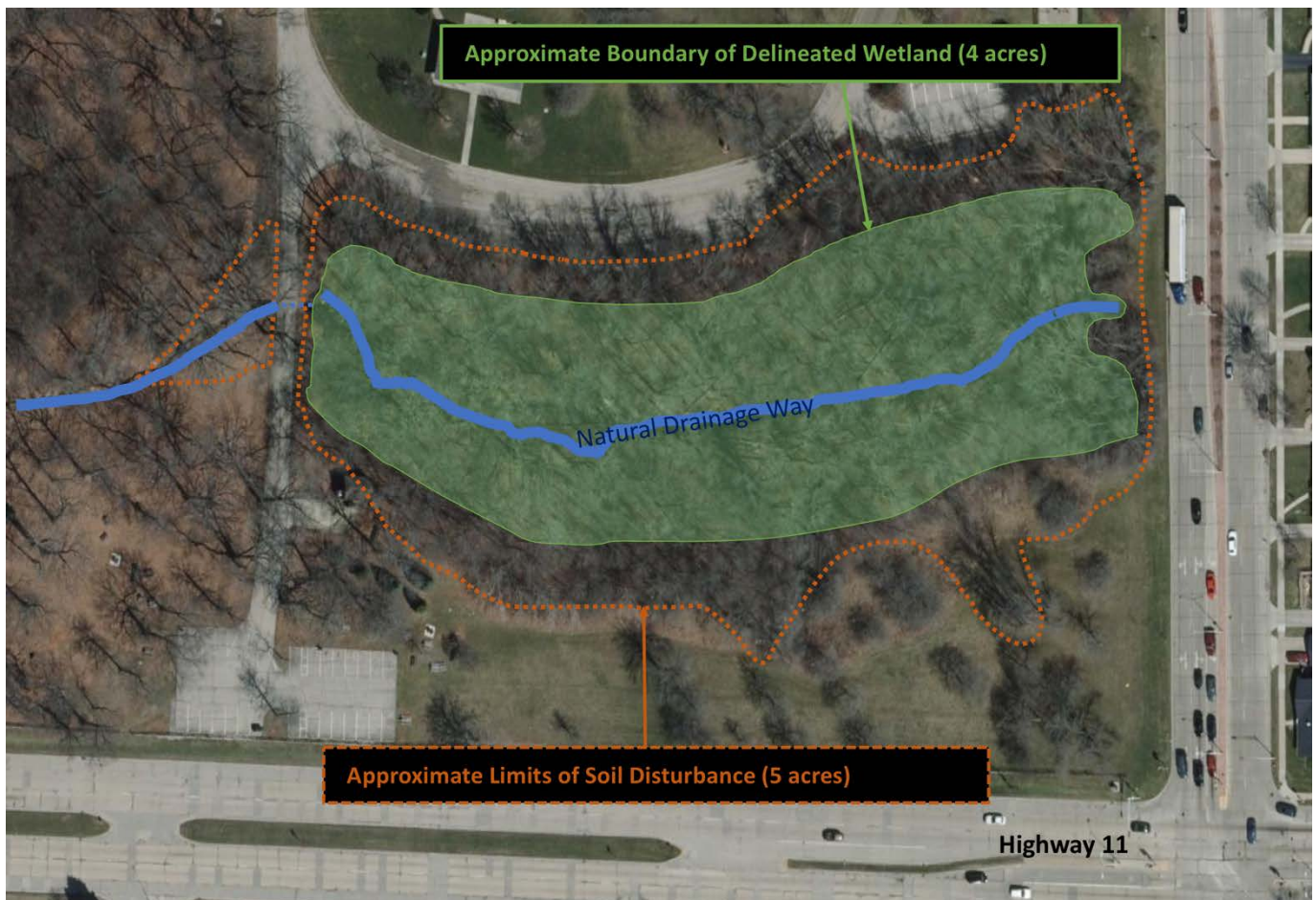
Duane McKinney
Purchasing Coordinator

INVITATION FOR BID
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Pritchard Park Wetland & Prairie Restoration Specifications

1. Pritchard Park Overview

Pritchard Park is parkland owned by Racine County within the municipal boundary of the City of Racine in the northeast quadrant of Durand Avenue (STH 11) and Ohio Street. It contains a delineated wetland and along a strip of hydric soils that drain eastward, underground via the storm water system, to Lake Michigan.



*Racine County Specifications for:
Pritchard Design-Build Restoration
April 2018*

2. Project Context

The Pritchard Park Wetland and Prairie Restoration Project will vegetate approximately 5 acres of land that has been fully disturbed by logging operations. The site was predominately vegetated as a wooded wetland and only used for passive recreation. The wooded area was primarily covered with green and white ash, which was found to be infested by the Emerald Ash Borer (EAB) in 2016. Racine County to the initiative to remove the dying and dead ash trees from the site and in the process of logging the site has opened the area leaving only a choice few non-ash trees that were on the property. The logging operations have fully disturbed the site leaving no previously existing vegetation to preserve or enhance. The disturbed area includes approximately 3 acres of designated wetland. The restoration of the site is planned to restore the wetland area with native wetland plants and restore prairie to provide a buffer filter strip for the wetland. This project would broaden the outdoor experience in the park and provide water quality.

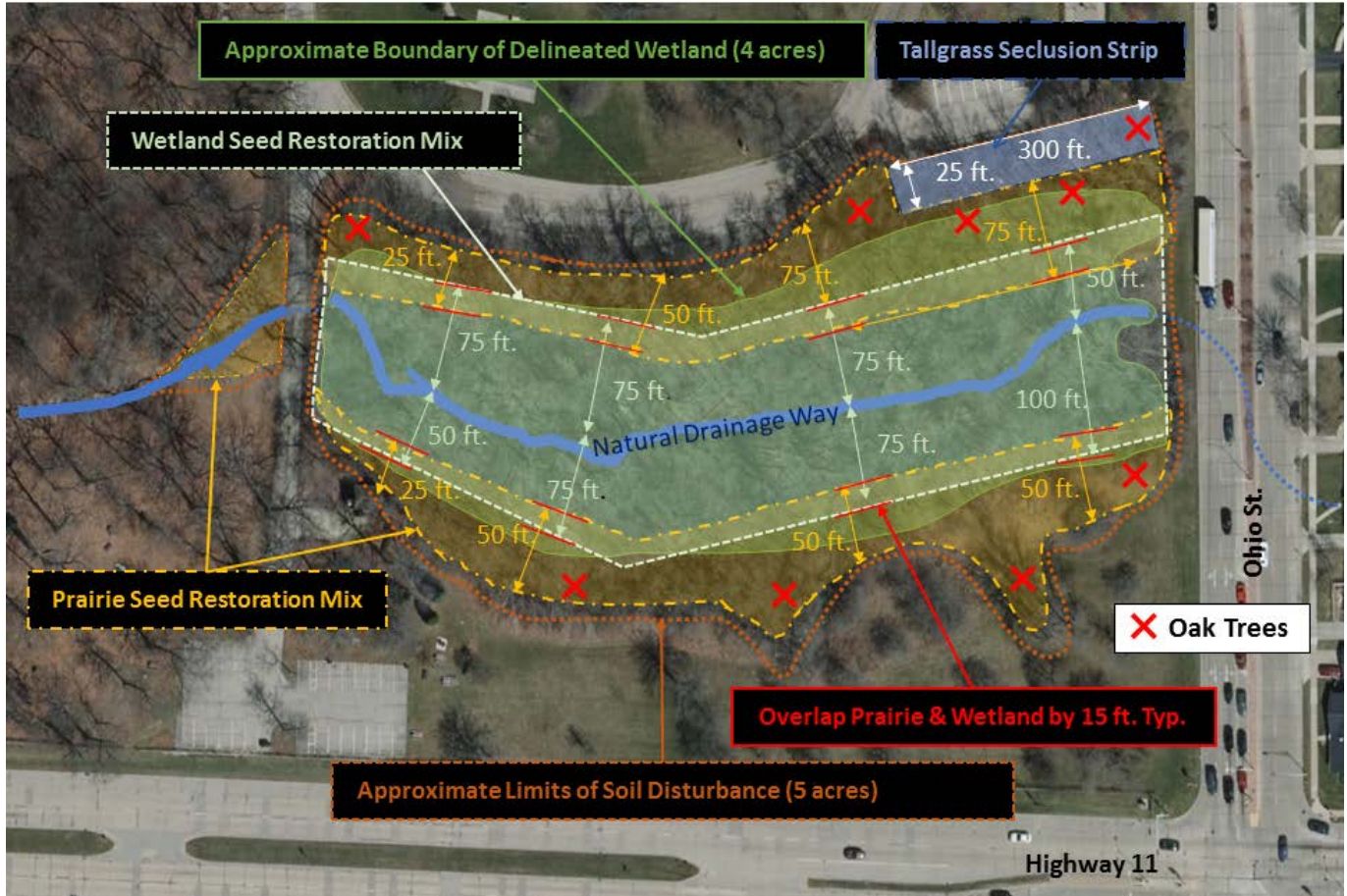
3. Restoration Plantings

3a. Wetland Plantings; Plantings shall consist of native wetland plant seed mixture along either side of the existing natural drainage way, approximately 75 feet either side of the drainage way, where room is available. The seed shall be drill seeded in two directions at approximately perpendicular paths. Field markings will be provided for planting areas. The seed mixture shall be comprised of at least 10 of the native seed mix species as identified in Appendix A and shall be sown at a minimum rate of 7 pounds per acre when planting in either direction.

3b. Prairie Plantings; Prairie restoration planting shall be drill seeded in two directions at approximately perpendicular paths. Field markings will be provided for planting areas. The prairie seeds shall overlap the wetland plantings by 15 feet along both sides of the wetland planting and extended to the limit of the disturbed area (varies between 25 feet and 75 feet). The seed mixture shall be comprised of at least 25 of the native seed mix species as identified in Appendix B and shall be sown at a minimum rate of 7 pounds per acre when planting in either direction.

3c. Tree Plantings; Trees shall be planted within the restoration site. The trees shall be wrapped in burlap and balled, approximately 1.5 inches in diameter and shall be planted in accordance with the supplier's recommendations and spaced not closer than 30 feet apart. The trees shall be comprised of the three native species as identified in Appendix C. All trees shall be braced with ties in at least three directions.

Pritchard Park Planting Plan



4. Project Timeline

The project implementation is anticipated to take place within one calendar year. On-going maintenance will occur in the first three years after the plantings are complete. Work could begin immediately. Please provide an implementation schedule (Gantt chart) and maintenance schedule based on a May 1st start date.

5. Project Evaluation

With regard to a final assessment that will provide the long-term measurement standards for success, we will work together with the restoration professional to define a plan that may be similar to what is described below:

- Year 1 Performance (The first full growing season after wetland and upland establishment):
For fall plantings, it is the following growing season and for spring plantings it is the current growing season. Upland cover species should be present over the entire site by the end of the season.
- Year 2 Performance (The second full growing season of wetland and prairie establishment):
The site should have 50% cover of native grasses/sedges or native forbs. The site should contain 70% of the middle successional species contained in the specified seed mixes. There should be no more than 10% cover of exotic, non-native invasive vegetation.
- Years 3 Performance (The third full growing season of wetland and prairie establishment):
The site should have 70% cover of native grasses/sedges and native forbs. The site should contain 50% of all species contained in the specified seed mixes. There should be no more than 10% cover of exotic, non-native invasive vegetation. Note that some species may not be visibly established in the first 3 years.

6. About Root-Pike WIN

Root-Pike Watershed Initiative Network's (Root-Pike WIN) mission is to restore, protect and sustain all the watersheds in the Root-Pike basin. More than two decades ago, we were founded by a cooperative effort with the Wisconsin Department of Natural Resources and other watershed stakeholders to address specific issues within the Root-Pike basin. In 2001, we became an independent 501(c)3 nonprofit. Since inception, Root-Pike WIN has initiated and helped complete education, restoration, and monitoring projects in SE Wisconsin. In the last five years, we facilitated the completion of three, EPA-approved, Nine-Element watershed restoration plans for our basin and have moved into the implementation of the priority projects in those plans. Root-Pike WIN continues to provide education, implementation support and monitoring to landowners, municipalities and the public through the framework of the EPA nine element plans. Root-Pike WIN is perhaps the only organization in SE Wisconsin that brings awareness *and* action to improve the land – and water – in the Root-Pike basin.

7. Selection and Contractor

Racine County is working cooperatively with Root-Pike Watershed Initiative Network to select and manage a restoration firm to provide the preparation, installation and maintenance of the wetland vegetation. Bid development time will not be reimbursed by Racine County.

Please direct all questions to the Racine County Purchasing Coordinator at 262-636-3700 between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday OR Dave Giordano Root-Pike Watershed Initiative Network, Executive Director. Proposals in PDF format are to be submitted to Racine County by 2pm on Tuesday, May 15, 2018. Proposals should not exceed 11 pages. Proposals will be reviewed by Racine County and Root-Pike WIN.

Racine County General Terms and Conditions

The Following General Terms and Conditions Shall Apply to All Purchases by or on Behalf of Racine County

1. **TAX EXEMPTION:** Racine County is exempt from State of Wisconsin sales tax by virtue of exemption certificate number ES2058 Wisconsin Retailers' occupation tax, use tax, and municipal retailer's occupation tax do not apply to materials purchased by Racine County. Vendors must not charge for any of these taxes, if billed for the above taxes, the invoice will be paid short to deduct the cost of non-applicable taxes.
2. **ACCEPTANCE OF CONTRACT:** This is the County's offer to purchase the goods and or services described on the preceding page(s) from the vendor. The County's placement of this order is expressly conditioned upon Vendor's acceptance of all terms and conditions of purchase contained on or attached to this purchase order.
3. **AMENDMENTS:** No agreement or understanding to modify this contract shall be binding upon the County unless in writing and signed by the County's authorized agent. All specifications, drawings, and data submitted to the Vendor with this order are hereby incorporated and made a part of this contract.
4. **DELIVERY:** All prices must be FOB to the (ship to) address on the first page of the Purchase Order, unless otherwise stated on the Purchase order. Time is of the essence in this contract. If completed deliveries are not made at the time agreed, the County reserves the right to cancel or purchase elsewhere and hold this Vendor accountable for cost procuring the product or service. If delivery dates cannot be met, Vendor agrees to advise the County, in writing of the earliest possible shipping date. The County reserves the right for acceptance of the shipping schedule.
5. **RISK OF LOSS:** Regardless of FOB point, Vendor agrees to bear all risk of loss, injury or destruction of goods and materials ordered herein which may for any reason occur prior to delivery to the County. No such loss, injury or destruction shall release Vendor from any obligations.
6. **INSPECTION:** Goods and materials must be properly packaged. Damaged goods and materials will not be accepted, or if the damage is not readily apparent at the time of delivery, the goods shall be returned at no cost to the County. The County reserves the right to inspect the goods at a reasonable time subsequent to delivery where circumstances or conditions prevent effective inspection of the goods at the time of delivery.
7. **PATENTS, COPYRIGHTS, TRADEMARKS AND SOFTWARE LICENSES:** If an article sold and delivered to the County hereunder shall be protected by any applicable patent or copyright, the Vendor agrees to indemnify and save harmless the County, for and against any and all suits, claims, judgments, and costs instituted or recovered against it by any person whomsoever on account of the use or sale of such articles by the County in violation or right under such patent or copyright.
8. **MSDS:** Proper Material Safety Data Sheets, in compliance with OSHA's hazard communication standard, must be provided by the Vendor to the County at the time of delivery or upon request.
9. **COMPLIANCE WITH LAWS:** The Vendor certifies that in performing this contract they will comply with all applicable provisions of the federal, state and local laws, regulations, rules and orders.
10. **LAWS GOVERNING:** This contract shall be governed by and construed according to the laws of the State of Wisconsin. Venue for any action related to this agreement shall be in Wisconsin, County of Racine.
11. **WARRANTY:** The Vendor warrants to the County that all goods and services furnished hereunder will conform in all respects to the terms of this order, including any drawings, specifications or standards incorporated herein, and/or defects in materials, workmanship, and free from such defects in design. In addition, Vendor warrants the goods and services are suitable for and will perform in accordance with the purposes for which they were intended.
12. **NONDISCRIMINATION / AFFIRMATIVE ACTION:** In connection with the performance of work under this contract, the contractor agrees not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined in s. 51.01(5), Wis. Stats., sexual orientation as defined in s. 111.32(13m), Wis. Stats., or national origin. This provision shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
13. **SAFETY REQUIREMENTS:** All materials, equipment, and supplies provided to Racine County must comply fully with all safety requirements as set forth by the Wisconsin Administrative Code and all applicable OSHA Standards. The equipment or chemicals you would supply to Racine County must comply with all requirements and standards as specified by the Occupational Safety and Health Administration and Wisconsin Department of Commerce. All guards and protectors as well as appropriate markings must be in place before delivery. Items not meeting current regulatory specifications will be refused. The supplier may be required to provide training to County employees in the operation and handling of the item and its maintenance, at the supplier's expense and at the convenience of the County.
14. **COMPETITIVE BIDS:** If this purchase order is the result of a competitive bid or request for proposals (RFP) process, then all terms and conditions of the bid or RFP document are incorporated into the purchase order by reference and are a binding part of this contract.
15. **PAYMENT:** Terms are Net 30. Payment will be made following receipt and acceptance of the goods and receipt, in proper form and substance, of an invoice and all documentation required by this Purchase Order. Payment will not be made if any outstanding issue on the part of the vendor regarding the purchase is unresolved. This Purchase Order shall not be filled at prices higher than stated, except as expressly agreed by Buyer. Seller agrees to indemnify, defend and hold harmless Buyer from and against any and all liens and encumbrances arising out of Seller's performance of this Purchase Order or arising out of any claim for payment by any laborer, subcontractor or supplier of Seller.
16. **ETHICS:** In addition to ethical standards set forth in Wisconsin Statutes Section 19.59 for all County employees and officials [either elected or appointed] Racine County has adopted an Ethics Policy that is applicable to County employees in conducting county business.

The Ethics Policy is intended to ensure that public trust in Racine County government is maintained and that decisions affecting the county and its citizens are made fairly and impartially for the benefit of all citizens and not for personal gain. This policy precludes the misuse or misappropriation of County property or funds for personal use or otherwise, use or disclosure of confidential information for personal gain or otherwise, elimination of conflicts of interests, receipt of gifts or favors or other considerations of value by County employees, the use of the employee's public position to influence or gain unlawful benefits or to influence or gain advantages or privileges for the employee, and the conducting of personal business or campaigning during working hours.

This policy, furthermore, requires employees to disclose and report to the proper authorities any violation of this policy by either other employees or by any non-employee or citizen seeking to or aiding or abetting in efforts to circumvent this policy. Any employee failing to make such disclosure or report is subject to discipline and / or prosecution. Any non-employee may also be debarred from contracting with Racine County.

In addition, Wisconsin Statutes Section 946.12 involving misconduct in public office and 946.13 involving a private interest in a public contract are considered Class 1 felonies and activity considered in violation of these statutes will be reported to the Racine County Sheriff for investigation and the Racine County District Attorney for prosecution. Violations of any Federal Law are prosecuted by the U.S. Attorney. Questions concerning this matter may be addressed to the Office of the Corporation Counsel, 730 Wisconsin Avenue, Racine, WI. 53403. Phone: 262-636-3115.

WETLAND AND PRAIRIE PLANTING PROJECT BID FORM

Bid #PW1807

ITEM	QTY	UNIT	DESCRIPTION	\$/UNIT	ITEM COST
1	1	LS	Initial Site Assessment	\$	\$
2	5	AC	Site Preparation Disking	\$	\$
3	5	AC	Annual Rye and Oats Seed at 1.5 lbs. per Acre	\$	\$
4	5	AC	Planting Annual Rye and Oats as Cover Crop	\$	\$
5	3	AC	Seed Drilling of Wetland Seed (Appendix A)	\$	\$
6	3	AC	Seed Drilling of Prairie Seed (Appendix B)	\$	\$
7	3	AC	Seed Drilling of Tallgrass Seed (Appendix C)	\$	\$
8	10	EC	Supply and Plant Oak Trees (Appendix D)	\$	\$
9	100	EC	Supply & Plant Bushes (Appendix F)	\$	\$
10	1	LS	Mowing	\$	\$
subtotal					\$

**Maintenance:
2019**

1	Trip	Mowing Summer (1 trip)	\$	\$
2	Trip	Spot Herbicide (2 trips)	\$	\$
1	LS	First Management Season Assessment	\$	\$
subtotal				\$

2020

1	Trip	Mowing Spring	\$	\$
1	Trip	Spot Herbicide	\$	\$
subtotal				\$

2021

1	Trip	Spot Herbicide	\$	\$
1	LS	Final Assessment	\$	\$
subtotal				\$

TOTAL \$

WETLAND AND PRAIRIE PLANTING PROJECT BID FORM Bid #PW1807

Assumptions

1. The areas listed for planting are measured from the planting plan and not field measured.
2. Spot herbicide treatments are estimated.
3. Final assessment shall include a written report of the floristic species diversity of the site.
4. All cost breakdown items may be used for adjustment of price if scope of work change is approved.

Bid Agreement

The total project cost stated below is the LUMP SUM cost for all work associated with the restoration of Pritchard Park and shall be all inclusive for a NOT TO EXCEED agreement by the Contractor.

Name of Corporation, LLC, Partnership	Print Name of Authorized Representative of Company	Date
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ADDRESS

TELEPHONE/FAX

E-MAIL

Do hereby represent to propose all work done related to the Pritchard Park Wetland and Prairie Restoration Project shall be completed as described in the Request for Proposal for the total cost, not to exceed: _____ \$

Total Written in Words	Total NTE Cost (Number)
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Title of Authorized Representative	Signature of Authorized Representative	Date:
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Appendix A Wetland Seed Mix

<u>Scientific Name</u>	<u>Common Name</u>	<u>Oz. / Acre</u>
<i>Allium cernuum</i>	Nodding Pink Onion	2.00
<i>Asclepias incarnata</i>	Red Milkweed	0.75
<i>Aster novae-angliae</i>	New England Aster	0.75
<i>Baptisia lactea</i>	White False Indigo	4.00
<i>Cassia hebecarpa</i>	Wild Senna	2.00
<i>Eupatorium maculatum</i>	Joe Pye Weed	0.50
<i>Eupatorium perfoliatum</i>	Boneset	1.00
<i>Helenium autumnale</i>	Dogtooth Daisy	0.75
<i>Heliopsis helianthoides</i>	Ox Eye Sunflower	0.50
<i>Liatris pycnostachya</i>	Prairie Blazingstar	4.00
<i>Liatris spicata</i>	Dense Blazingstar	0.75
<i>Lobelia siphilitica</i>	Great Blue Lobelia	0.50
<i>Mimulus ringens</i>	Monkeyflower	0.25
<i>Mondarda fistulosa</i>	Bergamot	1.00
<i>Parthenium integrifolium</i>	Wild Quinine	2.50
<i>Penstemon digitalis</i>	Smooth Penstemon	0.50
<i>Ratibida pinnata</i>	Yellow Coneflower	2.50
<i>Rudbeckia hirta</i>	Black Eyed Susan	2.50
<i>Rudbeckia laciniata</i>	Green Headed Coneflower	1.50
<i>Rudbeckia sutomentosa</i>	Sweet Blacked Eyed Susan	2.50
<i>Rudbeckia triloba</i>	Brown Eyed Susan	1.50
<i>Solidago ohioensis</i>	Ohio Goldenrod	1.00
<i>Solidago speciosa</i>	Stiff Goldenrod	0.75
<i>Verbena hastata</i>	Blue Vervain	1.50
<i>Vernonia fasciculata</i>	Ironweed	1.00
<i>Zizia aurea</i>	Golden Alexanders	4.00
Grasses and Sedges		
<i>Scirpus atrovirens</i>	Dark Green Bulrush	8.00
<i>Panicum virgatum</i>	Switchgrass	16.00
<i>Elymus virginicus</i>	Virginia Wild Rye	4.00
<i>Elymus canadensis</i>	Canada Wild Rye	8.00
<i>Carex vulpinoidea</i>	Fox Sedge	1.50
<i>Scirpus cyperinus</i>	Woolgrass	0.50
<i>Carex comosa</i>	Bottlebrush Sedge	1.50

Seed mix must include >20 seed types from the wildflower mix and 6 types from the grasses and sedges mix.

Appendix B

Prairie Seed Mix

<u>Scientific Name</u>	<u>Common Name</u>	<u>Oz. / Acre</u>
<i>Agastache foeniculum</i>	Lavender Hyssop	0.50
<i>Allium cernuum</i>	Nodding Onion	2.00
<i>Amorpha canescens</i>	Leadplant	1.00
<i>Anemone cylindrica</i>	Thimbleweed	0.75
<i>Aquilegia canadensis</i>	Wild Columbine	0.60
<i>Asclepias syriaca</i>	Common Milkweed	0.75
<i>Asclepias tuberosa</i>	Butterfly Weed	2.50
<i>Aster azureus</i>	Sky-Blue Aster	0.75
<i>Aster novae-angliae</i>	New England Aster	0.75
<i>Aster sagittifolius</i>	Arrow-Leaved Aster	0.50
<i>Astragalus canadensis</i>	Canada Milk Vetch	3.00
<i>Baptisia Australis</i>	Blue Wild Indigo	4.00
<i>Chamaecrista fasciculata</i>	Partridge Pea	8.00
<i>Coreopsis lanceolata</i>	Lance Leaved Coreopsis	2.50
<i>Coreopsis palmata</i>	Prairie Coreopsis	2.50
<i>Dalea candida</i>	White Prairie Clover	3.00
<i>Dalea purpurea</i>	Purple Prairie Clover	3.00
<i>Echinacea pallida</i>	Pale Purple Coneflower	6.00
<i>Echinacea purpurea</i>	Purple Coneflower	4.00
<i>Eryngium yuccifolium</i>	Rattlesnake Master	3.00
<i>Eupatorium maculatum</i>	Spotted Joe Pye Weed	0.50
<i>Helianthus grosseserratus</i>	Saw-Toothed Sunflower	0.50
<i>Heliopsis helianthoides</i>	Early Sunflower	8.00
<i>Kuhnia eupatorioides</i>	False Boneset	1.00
<i>Liatris aspera</i>	Rough Blazing Star	0.75
<i>Liatris pycnostachya</i>	Prairie Blazing Star	4.00
<i>Lobelia cardinalis</i>	Cardinal Flower	0.25
<i>Lobelia siphilitica</i>	Great Blue Lobelia	0.50
<i>Lupinus perennis</i>	Wild Lupine	6.00
<i>Monarda fistulosa</i>	Wild Bergamot	1.00
<i>Penstemon Digitalis</i>	Smooth Penstemon	0.50
<i>Physostegia virginiana</i>	Obedient Plant	0.50
<i>Ratibida pinnata</i>	Yellow Coneflower	2.50
<i>Rosa arkansana</i>	Prairie Wild Rose	1.00
<i>Rudbeckia hirta</i>	Black-Eyed Susan	3.00

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Prairie Seed Mix Continued

<i>Rudbeckia subtomentosa</i>	Sweet Black-Eyed Susan	2.50
<i>Rudbeckia triloba</i>	Brown Eyed Susan	1.50
<i>Silene regia</i>	Royal Catchfly	1.00
<i>Silphium laciniatum</i>	Compass Plant	2.00
<i>Solidago rigida</i>	Stiff Goldenrod	0.75
<i>Solidago speciosa</i>	Showy Goldenrod	1.00
<i>Tradescantia ohiensis</i>	Spiderwort	2.00
<i>Verbena stricta</i>	Horary Vervain	1.50
<i>Vernonia fasciculata</i>	Ironweed	1.00
<i>Veronicastrum virginicum</i>	Culver's Root	0.15
<i>Zizia Aurea</i>	Golden Alexanders	4.00
Grasses and Sedges		
<i>Bouteloua curtipendula</i>	Side Oakes Grama	32.00
<i>Bromus kalmii</i>	Prairie Brome	20.00
<i>Elymus canadensis</i>	Canada Wild Rye	32.00
<i>Koeleria cristata</i>	June Grass	2.00
<i>Schizachyrium scoparium</i>	Little Bluestem	16.00
<i>Sporobolus Heterolepis</i>	Prairie Dropseed	8.00
<i>Sorghastrum nutans</i>	Indian Grass	16.00
<i>Andropogon gerardii</i>	Big Bluestem	16.00
<i>Panicum virgatum</i>	Switchgrass	16.00

Seed mix must include >25 seed types from the wildflower mix and 7 types from the grasses and sedges mix.

Appendix C

Tallgrass and Forbes "Seclusion Strip"

<u>Scientific Name</u>	<u>Common Name</u>	<u>Oz. / Acre</u>
<i>Andropogon gerardii</i>	Big Bluestem	16.00
<i>Spartina pectinata</i>	Prairie Cordgrass	16.00
<i>Sorghastrum nutans</i>	Indian Grass	16.00
<i>Panicum virgatum</i>	Switchgrass	16.00
<i>Silphium laciniatum</i>	Compass Plant	8.00
<i>Echinacea purpurea</i>	Purple Coneflower	8.00

Seed mix must include all 6 types from the tallgrass and forbes mix.

Appendix D

Tree Species

<u>Scientific Name</u>	<u>Common Name</u>	<u>Oz. / Acre</u>
<i>Quercus macrocarpa</i>	Burr Oak	1.5 " Balled and Burlapped
<i>Quercus bicolor</i>	Swamp White Oak	1.5 " Balled and Burlapped
<i>Quercus rubra</i>	Northern Red Oak	1.5 " Balled and Burlapped

Appendix F

Native Shrub Species

<u>Scientific Name</u>	<u>Common Name</u>	<u>Oz. / Acre</u>
<i>Aronia melanocarpa</i>	Black Chokeberry	#5 Container
<i>Physocarpus opulifolius</i>	Ninebark	#5 Container
<i>Sambucus ebulus</i>	Dwarf Elderberry	#5 Container