

Proposal to Create a Native Landscape Planting in the Rum River Drive Downtown Planting Beds Princeton, MN

Prepared for:

Bob Barbian
City of Princeton
763-389-0993
rbarbian@princetonmn.org

Prepared by:

Aaron Soltau
Site Manager- Princeton
612-723-3319
asoltau@prairieresto.com

Project Area:

600 square feet

Prairie Restorations, Inc. 

31646 128th St.
Princeton, MN 55371
www.prairieresto.com

A. Company Background: <http://www.prairieresto.com/mission.shtml> (Follow the blue links to learn more)

Prairie Restorations, Inc. (PRI) has been dedicated to the restoration and management of native plant communities for over 40 years. We are fortunate to have worked with thousands of clients on a wide variety of projects in both the public and private sectors throughout the Upper Midwest.

The PRI staff currently consists of 54 full-time professionals and about an equal number of seasonal employees which operate out of seven Minnesota locations. Most of the staff has B.S. degrees in natural resource related fields such as biology, forestry, horticulture or wildlife. As a full service restoration company, PRI is able to provide our clients expertise and service in all facets of native landscape restoration. Along with consulting, design, installation and land management services, we also produce our own local ecotype seed and plant materials which are used on all of our projects.

The PRI Team is committed to and passionate about protecting and enhancing our valuable natural resources. It is this dedication that is brought to each and every one of our projects. We are proud to offer the best expertise, services and products available in the industry and appreciate the opportunity to provide you with this proposal.

B. Project Overview:

1. The planting beds along Rum River Drive in Downtown Princeton have had daylilies planted in them for a long period of time. The Downtown Council is looking for alternatives to improve the look and public perception of this area. Establishing native plantings in these areas could provide several benefits, including: a unique and colorful aesthetic that changes with the seasons, decreased maintenance, and a visual link to the natural heritage of the area.
2. Establishing a native landscape (http://www.prairieresto.com/establish_landscape.shtml) in the right-of way planting beds will provide a long term, ecologically sound landscape that is adapted to the existing conditions of the site. This native landscape will not require irrigation or fertilization. It will add a distinctive look to downtown Princeton as well as provide valuable habitat for songbirds and butterflies.
3. Native wildflower plugs will be planted that are adapted to the well drained, sunny conditions. Species will be clustered to give a semi-organized look and emphasize the showiness of individual species.
4. An estimate for 3 years of establishment period vegetation management is included in this proposal.

C. Project Dimensions and Planting Zones:

1. The Project Area is full sun to part shade. The soil is well drained and exposed to hot, dry, windy conditions because of its location next to concrete sidewalks.

D. Site preparation: http://www.prairieresto.com/installation_preparation.shtml

1. In spring of 2020, allow regrowth of weeds to occur. Apply a glyphosate herbicide (Roundup® or equivalent) with appropriate surfactants, as per manufacturer’s directions to the actively growing vegetation. Allow a minimum of 10 days before disturbing the site with other procedures.
2. Weed whip down dead vegetation and haul away.
3. Hand rake soil to open seedbed.

E. Seed and Seeding: http://www.prairieresto.com/installation_seeding.shtml

1. Seeding dates will be in the spring or summer before August 10th or in the fall between September 20th and freeze-up. This project will likely be seeded in spring/summer of 2020.
2. The seed will be spread by hand broadcasting throughout the project area.
3. A raking will follow to incorporate the seed into the soil.
4. The seed mixes will consist of the following species and amounts:

Short Grass/wildflower Seed	project area
Blue grama (<i>Bouteloua gracilis</i>).....	0.500 lbs.
June grass (<i>Koeleria macrantha</i>)	0.500 lbs.
Wild lupine (<i>Lupinus perennis</i>).....	2 oz.

F. Plants and Planting:

1. The planting will be further diversified with native wildflower and/or grass plants (Plugs). These will be planted individually in appropriate microhabitats throughout, or in designated areas of the project. The plants used will consist primarily of species other than those previously seeded.
2. From the following lists a minimum of 20 species of wildflowers will be used.
3. Plant a total of 1000 native plugs.

Wildflowers

<http://www.prairieresto.com/CategoryList.php?cID=10>

Yarrow (*Achillea millefolium*)
Fragrant giant hyssop (*Agastache foeniculum*)
Prairie onion (*Allium stellatum*)
Leadplant (*Amorpha canescens*)
Pasque flower (*Anemone patens*)
Pussytoes (*Antennaria neglecta*)
Columbine (*Aquilegia canadensis*)
Butterfly weed (*Asclepias tuberosa*)
Harebell (*Campanula rotundifolia*)
Slender penstemon (*Penstemon gracilis*)
Showy penstemon (*Penstemon grandiflorus*)
White prairie clover (*Dalea candida*)
Purple prairie clover (*Dalea purpurea*)
Silky prairie clover (*Dalea villosa*)
Prairie larkspur (*Delphinium virescens*)
Pale purple coneflower (*Echinacea angustifolia*)
Purple coneflower (*Echinacea purpurea*)
Large-leaved aster (*Eurybia macrophylla*)
Northern bedstraw (*Galium boreale*)
Prairie smoke (*Geum triflorum*)
Stiff sunflower (*Helianthus pauciflorus*)
Common ox-eye (*Heliopsis helianthoides*)
Golden aster (*Heterotheca villosa*)
Long-leaved bluets (*Houstonia longifolia*)
Cylindric blazing star (*Liatris cylindracea*)
Dotted blazing star (*Liatris punctata*)
Carolina puccoon (*Lithospermum carolinense*)
Wild lupine (*Lupinus perennis*)
Wild bergamot (*Monarda fistulosa*)
Prairie phlox (*Phlox pilosa*)
Yellow coneflower (*Ratibida pinnata*)
Prairie rose (*Rosa arkansana*)
Black-eyed Susan (*Rudbeckia hirta*)
Blue-eyed grass (*Sisyrinchium campestre*)
Hairy goldenrod (*Solidago hispida*)
Gray goldenrod (*Solidago nemoralis*)
Upland goldenrod (*Solidago ptarmicoides*)
Stiff goldenrod (*Solidago rigida*)
Showy goldenrod (*Solidago speciosa*)
Heath aster (*Symphyotrichum ericoides*)
Aromatic aster (*Symphyotrichum oblongifolium*)
Azure aster (*Symphyotrichum oolentangiense*)
Silky aster (*Symphyotrichum sericeum*)
Western spiderwort (*Tradescantia occidentalis*)
Hoary vervain (*Verbena stricta*)
Prairie violet (*Viola pedatifida*)
Golden alexanders (*Zizia aurea*)

G. Management: http://www.prairieresto.com/management_overview.shtml

1. Management (maintenance) plays a vital role in the eventual success of any native landscape installation, especially during the establishment period.
2. In years following the first growing season, management services could include site monitoring, prescribed burning, mowing, spot spraying, spot mowing, herbicide wicking or hand weeding. PRI provides estimates for management services on an annual basis prior to the growing season. Most of these services are billed on a time and materials basis and the annual estimates are not exceeded without client approval. Some services such as prescribed burning are provided as a lump sum cost. A summary of billing rates and materials costs will be provided with the estimate.

H. Anticipated Management:

Year	Projected Management Procedures
2020	Spot mowing to control annual weed canopy (2 or 3 mowings as needed). Watering as needed (not included in maintenance estimate) Project monitoring
2021	Spring dormant mowing Integrated Plant Management (IPM) – includes spot spraying, spot mowing, wicking, hand weeding, and other techniques to control weeds and invasive species(2 to 4 visits are typical) Project monitoring
2022	Spring dormant mowing Integrated Plant Management (IPM) Project monitoring

I. Costs:

Seeding with native plugs- Project Cost:

Project set up and mobilization	\$ 480.00
Herbicide treatment	\$ 120.00
Soil preparation	\$ 350.00
Seed and seeding	\$ 150.00
1,000 Native wildflower plugs delivered and installed	\$ 2,400.00
Total	\$ 3,500.00

***Total includes management/weeding for 1st growing season- Year 2020**

Annual maintenance estimate*:

Growing season 2020.....	Including in installation cost*
Growing season 2021.....	\$500
Growing season 2022.....	\$500

***Does not include watering costs**

Please note: Maintenance is typically billed on a time and materials basis. Work is billed upon completion until the site’s maintenance needs are met (the yearly estimate is not exceeded without prior approval).

Also note that the first three years of a restoration are the most crucial in terms of needed maintenance. Typically, costs decrease once the restoration reaches a relative level of maturity (after the 3rd or 4th growing season).

J. Contract:

If you accept the proposal as written and want to proceed with the project, please sign the contract below and return via mail.

Owner: _____ **Date:** _____

Signed: _____ **Title:** _____

Project: _____ **Contract Value: \$3,500.00**

Contractor: *Prairie Restorations, Inc.*

Signed: Aaron Soltau Date: 5-6-2020

Aaron Soltau
Site Manager- Princeton
Prairie Restorations, Inc.
31646 128th Street
Princeton, MN 55371