

Complete this Green Vendor List (GVL)_Qualifications document and upload it with your submission. This document should showcase three to five projects that demonstrate your experience in specific green infrastructure installations and specialties. Projects must have been completed within the last five years or ongoing projects that are more than 50% complete. Only one Customer Service Approach description (at end of form) is required. Copy and paste the Project Information section below as needed per project.

Project Information:

Project Name: MMSD Kinnickinnic River Reach 2: Pulaski Park
Address/City/State/Zip: 5400 South Swift Avenue, Cudahy, WI 53110

Type of green infrastructure installed (check all that apply):

- | | | |
|--|--|--|
| <input type="checkbox"/> Green Roofs | <input type="checkbox"/> Rain Barrels | <input type="checkbox"/> Rain Gardens |
| <input type="checkbox"/> Constructed Wetlands | <input type="checkbox"/> Cisterns | <input type="checkbox"/> Soil Amendments |
| <input checked="" type="checkbox"/> Native Landscaping | <input checked="" type="checkbox"/> Stormwater Trees | <input type="checkbox"/> Other |
| <input type="checkbox"/> Porous Pavement | <input checked="" type="checkbox"/> Bioswales | |

Area of specialty for this project (check all that apply):

- | | | |
|--|---|---|
| <input type="checkbox"/> Design | <input checked="" type="checkbox"/> Landscaping | <input type="checkbox"/> Downspouts and Gutters |
| <input type="checkbox"/> Engineering | <input checked="" type="checkbox"/> Maintenance | <input type="checkbox"/> Inspection |
| <input checked="" type="checkbox"/> Construction | <input type="checkbox"/> Plumbing | |

Project (Property) Owner Information:

Owner's Name: Milwaukee Metropolitan Sewerage District
Address/City/State/Zip: 260 W Seeboth St., Milwaukee, WI 53204
Phone: (414) 225-2104
Email: dtalarczyk@mmsd.com

Project Construction Information:

Construction Management Vendor: Cardno, Inc.
Project Manager Name: Charles "Buddy" Ebert
Project Manager's Vendor history: currently employed no longer employed other
Email: charles.ebert@cardno.com
Contract information (if applicable): N/A (Subcontractor to C.W. Purpero)
Final Contract Amount (contracted and amended if applicable): \$690,000

Construction Start date (contracted): 09/21/2018
Construction Start date (actual): 09/21/2018
Construction End date (contracted): Ongoing Maintenance (Scheduled completed 2025)
Construction End date (actual): Ongoing Maintenance (Scheduled completed 2025)

Was the project completed on time? Yes No; Explanation:
Ongoing

Was the project completed on budget? Yes No; Explanation:

Was the project completed to the owner's satisfaction? Yes No; Explanation:

Project Description (Be sure to include cost information, photos, and a detailed description of the work performed by the Vendor applicant):

The Milwaukee Metropolitan Sewerage District's Kinnickinnic River Reach 2 Project, located on Milwaukee's South Side, successfully removed over 1,700 feet of degraded concrete river lining and restored the river to a natural stream in Pulaski Park. The project is part of a larger effort by MMSD to reduce the risk of flooding, improve public safety by slowing down the river, improve the natural habitats within the river and along its banks for fish and wildlife, and refresh parts of the park to better support recreation and meet community needs. C.W. Purpero contracted Cardno to complete streambank and upland restoration following removal of the concrete river lining and naturalization of the channel. Cardno prepared the site through invasive species removal and soil amendments and installed native vegetation over the entire site. Native vegetation installed included eight acres of native seed, over 300 B&B native trees, 250 native shrubs, and more than 10,000 native herbaceous plugs. Habitat and plant community types across the site include floodplain wetland, upland prairie, and woodland. With construction now complete, Cardno has begun annual maintenance to the site to ensure successful establishment of the intended native plant community. Maintenance activities include establishment mowing and targeted herbicide application to suppress competing invasive and non-native vegetation, supplemental watering and seeding as needed, and vegetation monitoring. Cardno will continue vegetation maintenance across the site through 2025.



250 native shrubs, and more than 10,000 native herbaceous plugs. Habitat and plant community types across the site include floodplain wetland, upland prairie, and woodland. With construction now complete, Cardno has begun annual maintenance to the site to ensure successful establishment of the intended native plant community. Maintenance activities include establishment mowing and targeted herbicide application to suppress competing invasive and non-native vegetation, supplemental watering and seeding as needed, and vegetation monitoring. Cardno will continue vegetation maintenance across the site through 2025.

Project Information:

Project Name: American Transmission Company Office Building Landscape Design, Installation & Maintenance

Address/City/State/Zip: W234 N2000 Ridgeview Pkwy Ct, Waukesha, WI 53188

Type of green infrastructure installed (check all that apply):

- Green Roofs
- Constructed Wetlands
- Native Landscaping
- Porous Pavement
- Rain Barrels
- Cisterns
- Stormwater Trees
- Bioswales
- Rain Gardens
- Soil Amendments
- Other

Area of specialty for this project (check all that apply):

- Design
- Engineering
- Construction
- Landscaping
- Maintenance
- Plumbing
- Downspouts and Gutters
- Inspection

Project (Property) Owner Information:

Owner's Name: Interstate Partners (Contact: Bill Schwartz)

Address/City/State/Zip: N16W23217 Stone Ridge Dr Waukesha, WI 53188

Phone: (262) 506-1003

Email: bschwartz@interstatepartners.com

Project Construction Information:

Construction Management Vendor: Cardno, Inc.

Project Manager Name: Charles "Buddy" Ebert

Project Manager's Vendor history: currently employed no longer employed other

Email: charles.ebert@cardno.com

Contract information (if applicable): N/A

Final Contract Amount (contracted and amended if applicable): \$354,800

Construction Start date (contracted): 9/10/2007

Construction Start date (actual): 9/10/2007

Construction End date (contracted): Ongoing Maintenance

Construction End date (actual): Ongoing Maintenance

Was the project completed on time? Yes No; Explanation:

Was the project completed on budget? Yes No; Explanation:

Was the project completed to the owner's satisfaction? Yes No; Explanation:

Project Description (Be sure to include cost information, photos, and a detailed description of the work performed by the Vendor applicant): Cardno was

contracted to develop landscape plans and complete installation for the American Transmission Company's (ATC) new LEED-certified Platinum building in Pewaukee, incorporating native plants able to thrive with little to no irrigation, tolerant of drought, and appropriate for soils present on the site. Cardno developed a plan that incorporated native plants within ornamental areas of the site, near building entrances, and along parking and walkways. Further from built-out areas, native landscaping became more naturalized, incorporating pedestrian trails, benches, and educational opportunities throughout a designed prairie. Bio-infiltration was installed along parking stalls and in open space receiving stormwater from overland flow and from



impervious surfaces. Native, deep-rooted vegetation (grasses, forbs, shrubs, and trees) were designed for appropriate soils and water regimes throughout the planting areas, including the bio-infiltration areas. Following initial seeding and installation of trees, shrubs, and herbaceous plugs throughout the site, Cardno has maintained the native landscaping each year. Maintenance has included; control of invasive and non-native vegetation through selective mowing, manual removal and targeted herbicide application, and supplemental seeding and plug planting to ensure a diverse and thriving native plant community. Additionally, Cardno carries out a controlled burn over site on a biennial basis. Due

to many of the Cardno-supported site improvements, ATC and Interstate Partners were awarded LEED Platinum certification in addition to awards from the Wildlife Habitat Council in the areas of stormwater improvements through the use of innovative techniques and native landscaping.

Project Information:

Project Name: Mercury Marine – Cedar Creek Restoration

Address/City/State/Zip: N52W5882 Portland Rd, Cedarburg, Ozaukee County, WI, 53012

Type of green infrastructure installed (check all that apply):

- Green Roofs
- Constructed Wetlands
- Native Landscaping
- Porous Pavement
- Rain Barrels
- Cisterns
- Stormwater Trees
- Bioswales
- Rain Gardens
- Soil Amendments
- Other,

Area of specialty for this project (check all that apply):

- Design
- Engineering
- Construction
- Landscaping
- Maintenance
- Plumbing
- Downspouts and Gutters
- Inspection

Project (Property) Owner Information:

Owner's Name: JF Brennan (Contact – Paul Olander)

Address/City/State/Zip: 818 Bainbridge St, La Crosse, WI 54603

Phone: (608) 784-7173

Email: polander@jfbrennan.com

Project Construction Information:

Construction Management Vendor: Cardno, Inc.

Project Manager Name: Zach Loftus

Project Manager's Vendor history: currently employed no longer employed other

Email: Zachary.loftus@cardno.com

Contract information (if applicable): N/A

Final Contract Amount (contracted and amended if applicable): \$486,510

Construction Start date (contracted): 11/11/2016

Construction Start date (actual): 11/11/2016

Construction End date (contracted): 1/25/2019

Construction End date (actual): 1/25/2019

Was the project completed on time? Yes No; Explanation:

Was the project completed on budget? Yes No; Explanation:

Was the project completed to the owner's satisfaction? Yes No; Explanation:

Project Description (Be sure to include cost information, photos, and a detailed description of the work performed by the Vendor applicant):

JF Brennan Company contracted Cardno to complete shoreline and upland restoration following excavation of contaminated soils and placement of clean material on Cedar Creek located in Cedarburg, Wisconsin. Cardno fine graded soil, seeded, fertilized, and placed erosion control material throughout shorelines and upland areas of the approximate 1.5-mile long stream project site.



Following the installation of erosion control material, additional shoreline stabilization efforts were completed through the installation of thousands of live stakes and other plant material on shoreline slopes including hundreds of container shrubs.

Cardno also installed 200+ large ball and burlap trees throughout City of Cedarburg Parks and multiple private landowner yards who were affected by the project. Following construction and site restoration, Cardno maintained the site-installed plant material and native seeding areas for a period of 1 year. Maintenance included watering, staking, pruning, tree protection, and plant replacement as needed. As part of the project, Cardno consulted with individual landowners whose property was impacted through the scope of this project. Cardno developed individual native landscape plans customized to the satisfaction of the landowner and coordinated restoration of those properties with each landowner to ensure plant material was installed in



the correct location. Cardno also worked with the City of Cedarburg in the development of planting plans for their parks in areas that were impacted.

Project Information:

Project Name: MMSD Watercourse Maintenance Invasive Species Management – Underwood Creek and Menomonee River, Wauwatosa & Kinnickinnic River and Lincoln Creek

Address/City/State/Zip: Milwaukee, WI

Type of green infrastructure installed (check all that apply):

- Green Roofs
- Constructed Wetlands
- Native Landscaping
- Porous Pavement
- Rain Barrels
- Cisterns
- Stormwater Trees
- Bioswales
- Rain Gardens
- Soil Amendments
- Other,

Area of specialty for this project (check all that apply):

- Design
- Engineering
- Construction
- Landscaping
- Maintenance
- Plumbing
- Downspouts and Gutters
- Inspection

Project (Property) Owner Information:

Owner's Name: Milwaukee Metropolitan Sewerage District (Contact - Courtney Allen, PE, CFM)

Address/City/State/Zip: 260 W Seeboth St Milwaukee, WI 53204

Phone: (414) 225-2069

Email: callen@mmsd.com

Project Construction Information:

Construction Management Vendor: Cardno, Inc.

Project Manager Name: Charles "Buddy" Ebert

Project Manager's Vendor history: currently employed no longer employed other

Email: charles.ebert@cardno.com

Contract information (if applicable):

Final Contract Amount (contracted and amended if applicable): \$181,518.92

Construction Start date (contracted): 4/1/2020
Construction Start date (actual): 4/1/2020
Construction End date (contracted): 12/31/2020
Construction End date (actual): 12/31/2020

Was the project completed on time? Yes No; Explanation:
Was the project completed on budget? Yes No; Explanation:
Was the project completed to the owner's satisfaction? Yes No; Explanation:

Project Description (Be sure to include cost information, photos, and a detailed description of the work performed by the Vendor applicant):

Cardno managed invasive and non-native (INN) species in four critical management areas located along three primary watershed tributaries including Underwood Creek and Menomonee River in the city of Wauwatosa, and the Kinnickinnic River and Lincoln Creek located in the City of Milwaukee. Cardno field crews utilized various methods for INN removal, including foliar herbicide application, cut-stem herbicide application, hand pulling/digging, and mowing. Some of the species targeted for control included lesser celandine, Japanese knotweed, giant ragweed, crown vetch, bird's foot trefoil, Canada thistle, teasel, buckthorn, honeysuckle, phragmites, and reed canary grass. Additionally, Cardno field crews installed native seeding and erosion control fabric following removal of dense infestations of invasive species.



Project Information:

Project Name: Kinnickinnic River Habitat Rehabilitation, I-94 to Becher Avenue
Address/City/State/Zip: Milwaukee, WI

Type of green infrastructure installed (check all that apply):

- Green Roofs
- Constructed Wetlands
- Native Landscaping
- Porous Pavement
- Rain Barrels
- Cisterns
- Stormwater Trees
- Bioswales
- Rain Gardens
- Soil Amendments
- Other

Area of specialty for this project (check all that apply):

- Design
- Engineering
- Construction (Oversight)
- Landscaping
- Maintenance
- Plumbing
- Downspouts and Gutters
- Inspection

Project (Property) Owner Information:

Owner's Name: Milwaukee Metropolitan Sewerage District
Address/City/State/Zip: 260 W Seeboth St, Milwaukee, WI 53204
Phone: (414) 225-2069
Email: callen@mmsd.com

Project Construction Information:

Construction Management Vendor: Cardno, Inc.
Project Manager Name: Heather Schwar, PE
Project Manager's Vendor history: currently employed no longer employed other
Email: heather.schwar@cardno.com
Contract information (if applicable): N/A
Final Contract Amount (contracted and amended if applicable): \$45,100

Construction Start date (contracted): 09/25/2017
Construction Start date (actual): 09/25/2017
Construction End date (contracted): 11/30/2018
Construction End date (actual): 11/30/2018

Was the project completed on time? Yes No; Explanation:

Was the project completed on budget? Yes No; Explanation:

Was the project completed to the owner's satisfaction? Yes No; Explanation:

Project Description (Be sure to include cost information, photos, and a detailed description of the work performed by the Vendor applicant):

Cardno teamed with Montgomery Associates to design and implement habitat improvements to address degraded aquatic habitat conditions in the upper portion of the Milwaukee Estuary Area of Concern on the Kinnickinnic River. This is one of the few stretches of the Kinnickinnic River that has natural bed and native banks remaining. This section of the Kinnickinnic River does not sustain a viable aquatic habitat due to low dissolved oxygen levels, lack of flow and limited diversity of channel morphology.



Improvements to these conditions will improve fish passage to the upper reaches and tributaries of the Kinnickinnic River Watershed as well as improve the water quality of the Milwaukee Estuary. Cardno designed and oversaw construction of 165 linear feet of bank stabilization and habitat structures which included tree root wads, toe wood, stone, and in-channel habitat boulders along the Kinnickinnic River. Cardno also provided Upland habitat improvements including herbicide treatment of approximately 1900 square feet of invasive weeds (Japanese Knotweed).

Customer Service Approach

Please provide a description of your firm’s customer service approach. This section should give the reviewer a good idea of how conflicts with clients are resolved or how issues that arise during work are resolved. Please provide your customer service approach and at least one example of how your firm has implemented this approach.

As an example of a conflict that arose during the course of a project and how that conflict was resolved, Cardno completed a native landscape design and implementation project for the corporate headquarters of a transmission client with a high level of security. In a typical native landscape project, Cardno specifies plants based on natural features, aesthetic goals, and maintenance. This project had an additional challenge of having to address building security requirements and corporate safety concerns. Specifically, the client did not want native vegetation designed in a way that would aid unauthorized access to the building, resulting in a security threat. The main concern was the location and height of the vegetation after fully grown—which typically occurs three years after initial planting—and the nature of vegetation maintenance. Cardno was challenged with providing a design that was responsive to security issues as well as suited to the natural conditions.

To work through this situation, the Cardno design team met with the security staff, and project team, on numerous occasions to select the appropriate vegetation type and the maintenance goals. Ultimately, final vegetation height was determined based upon the final heights of the buildings, as well as the soil type, slope, and hydrology. In addition to the design challenges, Cardno also encountered implementation challenges. As is often the case with native landscapes, the selected contractor was not as familiar with maintaining such plantings. To overcome this obstacle, Cardno worked directly with a local landscaper to oversee portions of maintenance work. Cardno:

- Developed a program to train the local contractor on the benefits of native landscaping.
- Provided on-site mentoring for the local contractor.
- Developed a native landscape identification field tutorial for the local contractor to assist with maintenance activities.

For ongoing maintenance, Cardno typically recommends managing native prairie landscapes with prescribed fire, where possible. However, in light of heightened security concerns at this location, Cardno had to consider:

- The affects controlled burning might have on intake to the control center.
- Working with the building maintenance team to develop a burn plan for conducting controlled burns under very narrow parameters, adjusting some aspects of the control center during short durations to minimize smoke intake.
- The potential use of alternative methods of maintenance rather than controlled burns, such as mowing and spot herbicide treatments.

Through planning and coordination with the facilities maintenance team, Cardno was able to address these concerns and implement the site’s first prescribed burn in spring of 2015. The facilities team observed the burn implementation and acknowledged the success of the effort.