**CITY OF OREGON, OHIO**

# REQUEST FOR QUALIFICATIONS

**for**

**Professional Engineering Services**

**for:**

# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX


***Issued by:***
***City of Oregon***
***Department of Public Service***
***Paul Roman, P.E., Director of Public Service***
***5330 Seaman Road***
***Oregon, Ohio 43616***
***(419) 698-7047***


***September 15, 2021***

**** Qualification Statements must be submitted by October 8, 2021****

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# CITY OF OREGON
# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX

## LEGAL NOTICE

Ordinance No. 2-2021

Sealed Qualification Statements marked **"Maumee AquaMAP BD-2.0 - Stream Restoration at Oregon Recreational Complex"** will be received by the City of Oregon, Ohio, at the Office of the Director of Public Service at the Oregon Municipal Building, 5330 Seaman Road, Oregon, Ohio 43616, until

**4:30 PM (Local Time) on**
**FRIDAY, OCTOBER 8TH, 2021**

Qualification Statements received after the specified due date and time will not be considered.

In general, the scope of work consists of providing professional engineering and survey services for the design and construction of a stream and wetland restoration project within an existing recreational park facility.

Qualification Statement requirements may be obtained electronically from the City of Oregon's bidding information website at http://www.oregonohio.org/engineering/engineering/bidding-information.html. Three (3) hardcopies and one (1) electronic copy of the Qualification Statement must be sealed in an envelope and marked as noted above. The City of Oregon will directly select a firm based on the Qualification Statement.

By Order of the Council of the City of Oregon, Ohio. Ordinance No. 2-2021.

Paul Roman, P.E.
Director of Public Service

Published Date #1: September 16, 2021
Published Date #2: September 23, 2021

# CITY OF OREGON
# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX

## Project Overview

Stream Restoration at the Oregon Recreational Complex seeks to reduce degradation of stream benthic communities (BUI 6) and improve fish habitat (BUI 14a) by stabilizing 5,300 linear feet of eroding and incised stream banks in Wolf Creek. A two-stage stream channel design is proposed and will create a creek adjacent stable floodplain which will promote beneficial habitat for benthic communities. The project will also seeks to reduce nonpoint source pollution by intercepting agricultural drainage and capturing nutrients and sediment. The project site is in the southeast corner of the Oregon Recreation Complex, which will allow for public viewing and educational opportunities.

## Project Background and Goals

Ohio EPA monitoring of Wolf Creek in 2017 at Stadium Road (1,500 feet downstream of the proposed project area) found the Aquatic Life Use (ALU) to be in non-attainment status for benthic communities and fish habitat. The Invertebrate Community Index (ICI) narrative score of 6 (very poor) was only 20% of the target score, indicating severe impairment of benthic communities. The site also received a Qualitative Habitat Evaluation Index (QHEI) score of 29, well below attainment at only 55% of the target score. This project (BD-2.0) has been recommended by the Maumee AOC Advisory Committee and approved by Ohio EPA and US EPA as one of the priority management action projects necessary to achieve removal of both these BUIs in the riverine headwaters section of the Berger Ditch hydrologic unit.

Though Wolf Creek flows through the middle of the Oregon Recreation Complex, few stop to observe it due to the predominance of woody brush and overgrown nonnative species on the tops of the stream banks. Wolf Creek is channelized throughout the project area; the banks are approximately eight feet high and very steep. This degree of channel incision limits hydrologic connections between the stream and its floodplain, with very little floodplain width existing. The riparian buffer in the western section of the site is very narrow while the portion of Wolf Creek in the eastern section of the site is wider but could be improved. Wolf Creek at Stadium Road is channelized with heavy silt cover, extensive embeddedness, and poor development (no riffle habitat present). No sensitive invertebrate taxa were found during the Ohio EPA 2017 benthic sampling effort at Stadium Road.

The proposed work includes design and construction of a stream and floodplain restoration project for Wolf Creek within the city-owned Oregon Recreation Complex. Using a combination of methods including constructed floodplains, constructed wetland areas, native tree and shrub plantings, live stakes, and natural channel design features, this project will create new habitat for the benthic and fish communities as well as provide water quality benefits during base and high flow events. Streambanks will be regraded to a more stable 3:1 slope, reducing erosion and sedimentation of downstream channel beds. Non-point source runoff will be addressed by intercepting existing farm field drainage and routing to an approximately ¾ acre wetland that will be constructed on the site. Due to the number of visitors to the recreational complex, public access via a walking path and stream observation areas are paramount to this project. This will provide excellent educational opportunities for the public as well as for students from nearby Clay High School.

# CITY OF OREGON
# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX

## Basic Services of the Consultant

The basic scope of services for this project is to assist the City in conducting various analyses, surveys, providing engineering services, and preparing plans, as noted below. City of Oregon staff will work together with the design consultant throughout the process. As a minimum, the consultant is expected to conduct and provide the following elements, as required for the project:

I. Detailed Design
   a. General Site Reconnaissance
   b. Subsurface Exploration
   c. Topographical Survey
   d. Wetland Delineation
   e. Modeling
   f. Engineering Design
   g. Public Meeting
   h. Project Management Team Meetings
   i. Planting Plan
   j. Invasive Species Control Plan
   k. Quality Assurance Project Plan (QAPP)
   l. Permitting
   m. Final Bid Plan Set and Project Specifications

II. Assistance with any required Ohio EPA and / or Army Corp of Engineers Clean Water Act Permits

Each of these elements is briefly described below:

**Detailed Design, Permitting, and Construction Bid Planset Preparation**

In general, it is expected that the consultant will use the following procedures for detailed engineering and design of the project:

a) General Site Reconnaissance: a site visit will be conducted by the consultant in order to determine the existing site conditions including, but not limited to, surficial conditions, surface water features, Wolf Creek streambank conditions, vegetative cover, and any existing infrastructure. The City of Oregon will also provide any existing data to the consultant such as utility plans or survey data of the creek and floodplain areas. Also, the consultant can determine the best location for soil borings and mark these with GPS for future soil boring activity.

b) Subsurface Exploration: as required, the consultant will order soil borings in locations as determined by the Site Reconnaissance. Soil boring data will be used by the engineer to determine existing geotechnical information about the site and a description of soil types and soil moisture levels present.

c) Topographical Survey: the consultant will be responsible for topographically surveying the site at such detail as required for input into Computer Aided Drafting (CAD) software. Other details to be surveyed include trees, utilities, roadway, sidewalk, fences, recreational facilities, property lines, Wolf Creek centerline, Wolf Creek cross sections, Wolf Creek streambanks, and any other surface features as required.

d) Wetland Delineation: the consultant will prepare a wetland delineation of the project site in order to determine any potential impact to existing wetlands on the site and any permitting requirements for the project. Per the National Wetlands Inventory (2021) no existing wetlands are located within the project area, however, this will be field verified.

e) Modeling: as required, the consultant will prepare a Hydrologic and Hydraulic model of the watershed in order to determine any hydrologic affects the project may have on Wolf Creek and the upstream watershed. Topographical survey and local precipitation data will be used as input into the model.

f) Engineering Design: An engineering and design plan will be completed for the proposed project area by the consultant, in collaboration with the City of Oregon, using the topographical survey, site reconnaissance, soil boring, and hydraulic modeling data. Engineering design calculations will be used to determine appropriate sizing, grade elevations, and to complete a final plan to be used for construction. A construction stormwater pollution prevention plan (SWP3) will be designed to incorporate the required stormwater best management practices into the construction of the project.

g) Planting Plan: The consultant, in collaboration with City staff, will prepare a planting plan for the site that will help to meet project goals. The planting plan will consist of the planting of native upland, emergent, and deepwater emergent species to achieve these goals. Approximately six acres of native habitat (floodplain and riparian) will be created within the project site using a combination of native plug planting and native seeding during and following construction.

h) Public Meeting: at the 80% design stage the City wishes to conduct a public meeting in order to provide a chance for members of the public to review the project design and provide input.

i) Project Management Team Meetings: a project management team will meet approximately every six months to discuss the progress of the project and any concerns that arise. The project management team will comprise of members from the City of Oregon Street Department, Recreation Department, Engineering/Public Service Department, and members of the community. It would be expected that one representative of the design consultant be a part of these meetings once they begin.

j) Invasive Species Control Plan: due to the City's experience with wetland establishment projects, it is understood that invasive species control is an integral part of a successful habitat creation / restoration. With collaboration from the City, the consultant will prepare a plan for invasive species control during and following the construction of the project. With past projects, the City has put invasive species control in the project as a bid item. This would likely be the case with this project as well. Following the project and the grant period, the City will continue invasive species control until the native plants are well established to ensure project success.

k) Quality Assurance Project Plan (QAPP) required monitoring: the consultant, in collaboration with the City, will create a monitoring plan in order to evaluate the performance of the constructed system.

l) Permitting: based on the final design of the project, the consultant will determine any required permits for the proposed work. Any required floodplain and construction permits will be acquired from the City of Oregon prior to construction. The City understands that Wetland and Stream Restoration can be permitted under the United States Army Corp of Engineers Nationwide Permit (NWP) program. A NWP 27 (Aquatic Habitat Restoration, Establishment, and Enhancement Activities) would be sought to authorize the restoration and streambank work.

m) Final Bid Plan Set Preparation and Project Specifications: to complete detailed design, the consultant will prepare the bid plan set, specifications, and bid sheet to be used by the City of Oregon to advertise and competitively bid the construction of the project. The final plan set will include an overall site plan, existing plan, site grading plan, site utility plan, planting plan, SWP3, and general notes and details as required.

**Assistance with any required Ohio EPA and / or Army Corp of Engineers Clean Water Act Permits**

a) Based on the final design of the project, the consultant will determine any required permits for the proposed work. Any required floodplain and construction permits will be acquired from the City of Oregon prior to construction. It is not anticipated that a Clean Water Act (Section 404 Dredge or Discharge of Fill Material to Waters of the State or Section 401 Water Quality Certification) permit is required. However, if it is determined that these CWA permits are required, the consultant will prepare any documents necessary for the permit applications and reviews. The City understands that Wetland Restoration can be permitted under the United States Army Corp of Engineers Nationwide Permit (NWP) program. A NWP 27 (Aquatic Habitat Restoration, Establishment, and Enhancement Activities) would be sought to authorize the restoration, as required. The consultant will facilitate any site visits by regulatory agencies in order to review the project area and plan.

Notes:

1) The consultant shall adhere to all requirements and programmatic conditions set forth in the Notice of Award for USEPA Grant No. 00E02987 "Maumee AquaMAP BD-2.0 - Stream Restoration at Oregon Recreational Complex." (Appendix C)

2) The project period for the USEPA grant agreement is July 1st, 2021, through December 31st, 2024.

3) National Historic Preservation Act (NHPA) Section 106 Coordination: The City of Oregon has completed the Section 106 Coordination with Ohio State Historic Preservation Office (SHPO) and has received a letter stating that the project will have no effect on historic properties.

# CITY OF OREGON
# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX

## Responsibilities of the City of Oregon

1. Make available any data from City records, such as previous studies and reports, plans, specifications, shop drawings, etc.
2. Provide access to and make all provisions for the CONSULTANT to enter upon public and private property as required.
3. Provide review and collaboration throughout project design.
4. Complete semiannual and final grant reporting to the USEPA
5. Complete project bid and management of the project during construction

## Project Schedule

See below estimated dates of completion for the design process:

**Consultant Selection** **January 1st 2022**

**Project Kickoff Meeting** **January 15th 2022**

**Site Reconnaissance** **July 1st 2022**
- Survey
- Subsurface exploration
- Wetland Delineation
- Pre project assessments

**Engineering, Design, Permitting** **December 31st 2022**
- Modeling
- Permitting Evaluation and Application Submittal
- Design Public Meeting
- Plan Set Preparation
- Specification Preparation

# CITY OF OREGON
# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX

## QUALIFICATION STATEMENT REQUIREMENTS

Three (3) copies of the Qualification Statement shall be submitted by **4:30 pm (local time) on Friday, October 8, 2021** and directed to:

**"CITY OF OREGON**
**MAUMEE AQUAMAP BD-2.0 – STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX "**

**Paul Roman, P.E., Director of Public Service**
**City of Oregon**
**5330 Seaman Road**
**Oregon, Ohio 43616**

Late or fax submittals will not be considered.

The submitted Qualification Statement shall contain the following items:

A) Qualifications and related project experience: A statement of the firm's qualifications to provide the requested services. The statement should include the following:

1. A general firm background (Company Name, Address, Telephone, Professional services offered and number of employees assigned to each service);
2. Provide an organization chart including all the personnel that will be assigned to accomplish the work related to this project;
3. Project Manager's and other key task managers' background, including work history experience with similar projects;
4. Describe the expertise and experience of your project team providing the proposed services on projects of similar size;
5. Identify and describe three (3) projects in which your firm has completed over the past five (5) years that have similarities and relevance to this proposed project and scope of services.
    a. Specifically highlight projects where environmental/water quality improvements were combined with public access and recreational opportunities in a park or similar public access setting
    b. Specifically highlight projects where quantifiable improvements to stream benthic communities and in stream fish habitat were prioritized as project goals
        i. Provide examples of how the project design was able to facilitate these goals as well as general water quality and habitat improvements for the stream
6. Provide a list of at least five (5) references, including name, address and telephone number of previous clients on projects with a similar scope of work.

B) Office Location: A statement of the firm's primary office location and if a local office will be available. Designate the office location where the primary work, other than project fieldwork, will be performed. Include anticipated type of work to be done at each office.

C) Familiarity with local, state and federal regulations: A written statement of the firm's familiarity with the City of Oregon and any state and federal laws or regulations relevant to this type of project.

D) Current workload: A description of the firm's current workload. Include the availability of the firm to immediately commence this project upon receipt of a Notice to Proceed.

E) Performance on previous projects: A list of previous contracts with the City of Oregon or other government agencies for comparable projects. Include a summary of performance, ability to meet schedule, and any savings or benefits resulting from your actions.

F) Understanding of the project: A description in detail of the firm's understanding of the services to be provided and anticipated approach to completing the project. Include any considerations or evaluations that may be prudent to effectively minimize the project cost, ensure timely completion of the project, and more satisfactorily achieve the project goals. Include examples of innovative environmental design techniques used on previous projects for stream and wetland restoration. Also include any possible challenges that will be encountered and any intended or probable special techniques, services, or approaches to be used for solution. Discuss potential alternate methods. The City of Oregon has extensive experience with similar projects, if there are certain tasks that could more easily be performed by city personnel that would result in substantial cost savings, please indicate these tasks and potential savings.

G) Schedule and staffing: The project design is planned to start in January 2022 and to be completed by December 2022. The submitted Qualification Statement shall include the following:

1. A project schedule indicating all required tasks to successfully complete this project. Time frames, review times, and critical milestones should be included. The City understands the submitted project schedule may change subject to the final scope of services.
2. A list of key personnel who will work on the project and their technical competence and related specialized experience. Designate the person from the primary consultant who will manage the project.
3. The city fully expects that the personnel listed in the Qualification Statement will be assigned to the project in the event that your firm is selected. Any personnel changes in the key positions shall be subject to advance approval by the city.
4. Listing of any Sub-consultants that might be employed on the project along with their qualifications. A list of key sub-consultant personnel who will work on the project and their technical competence and related specialized experience.

# CITY OF OREGON
# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX

## CONTRACT AWARD CRITERIA

The City of Oregon will select a consultant based upon the below Contract Award Criteria. While each Qualification Statement will be considered objectively, the City assumes no obligation to accept or take action on any Qualification Statement. However, the consultants must indicate in their schedules the availability of their firm to meet the schedule laid out in this Qualification Statement. The availability of the consultant to commence work on short notice and meet the schedule for completion may be a factor in evaluating the Qualification Statement.

The City of Oregon will base the consultant selection for Professional Engineering Services for the Maumee AquaMAP BD-2.0 - Stream Restoration at Oregon Recreational Complex on the following criteria:

Technical approach and understanding of the project

Previous project design and project administration

Experience and qualifications of the design team

Ability to implement the project promptly and meet the schedule

Based on the above Contract Award Criteria, the top or highest ranked consultant(s) as determined by the city will be expected to provide a final comprehensive scope of services and a detailed fee proposal for review and approval by the Director of Public Service. Final contract award will be subject to the review and approval by way of legislation through Oregon City Council.

# CITY OF OREGON
# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX

## Appendix A

## Conceptual Plan

## Appendix B

## USEPA GLNPO Accepted Grant Application

## Appendix C

## USEPA Grant Agreement – Budget Summary and Administrative Conditions

# CITY OF OREGON
# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX

## Appendix A

## Conceptual Plan

# City of Oregon
# Maumee AquaMAP BD-2.0
## *Conceptual Plan*

OREGON on the bay
City of Opportunity

**Legend**

- HeaderTile
- Boardwalk
- BraidedStream
- ProposedBikePath
- VernalPool
- StoneWalkingPath
- Enhanced Floodplain
- ExistingStream
- BankRegrading
- TreeShrubPlantings
- PollinatorMeadowPlanting

N
W E
S

Enhanced Floodplain

Enhanced Floodplain

Grade Stream Banks 3:1
Live Stake Plantings

Boardwalk Nature Path
through Floodplain / Wetland
w/ Educational Displays

Pollinator Plantings
w/ Mowed Edge

Stone Walking Path

Intercept Field Tile and
Route to Wetland Area

Wetland
Outlet

Constructed Wetland
w/ Nature Boardwalk

Grade Stream Banks 3:1
Live Stake Plantings

Native Tree and
Shrub Plantings

Create new Bike Path on
West side of Treeline

Existing Bike Path to
be Removed

Stone Walking Path

Oregon South
Recreation Complex
5401 Starr Ave Ext
Oregon, OH 43616

STARR AVE

5260 5330 5670 160 180 208 210 230 226 236 240 250
5330 5518 5420
0 211 211
5135 5155 5150
0 5246 5260 5306 5318 5326 5336 5350 5360 5450 5508 5511 5528 5540 5545 5555 5556 640 5605 5615 5633 5645 5655 5665 5650 340 5715 5722 440

State of Ohio GISSC

# CITY OF OREGON
# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX

## Appendix B

## USEPA GLNPO Accepted Grant Application

## (Selected Pages)

**Maumee AquaMAP BD-2.0**
**Stream Restoration at Oregon Recreational Complex**
**BUI 6 Degradation of Benthos, BUI 14a Loss of Fish Habitat**
**Scope of Work**

**1. Project Title:** Stream Restoration at Oregon Recreational Complex (AquaMAP BD 2.0)

**2. Project Funding Request Amount**: $1,344,000 requested. No matching funds provided.

**3. Organization Information:**

- **Organization Name:** City of Oregon
- **Organization Address:** 5330 Seaman Road, Oregon, OH 43616

**4. Contact Information:**

- **Contact Name:** Don Nelson
- **Address:** 5330 Seaman Road, Oregon, OH 43616
- **Phone:** 419-690-7309
- **Fax:** 419-691-0241
- **E-mail:** dnelson@oregonohio.org

**5. Project Location:**

- **City (at least 1, up to 5):** Oregon, OH
- **County (at least 1, up to 5):** Lucas County, OH
- **Zip Code (at least 1, up to 5):** 43616
- **Congressional District (at least 1, up to 5):** Ohio 9th District
- **State**: Ohio
- **Latitude/Longitude:** 41.648070, -83.41805

**6. Project Duration:**
Start Date: 7/1/2021, End Date: 12/31/2024

**7. Project Abstract:**

The Stream Restoration at Oregon Recreational Complex project seeks to reduce degradation of stream benthic communities (BUI 6) and improve fish habitat (BUI 14a) by stabilizing 5,300 linear feet of eroding and incised stream banks in Wolf Creek. The two-stage channel design will create a benched floodplain and sinusoidal low flow channel which will promote habitat features such as meanders, pools, and riffles. The project will also reduce nonpoint source pollution by intercepting agricultural drainage and capturing nutrients and sediment. The project site is in the southeast corner of the Oregon Recreation Complex, which provides an educational opportunity for the public to witness a stream restoration project and its results.

**8. Problem Statement:**

Ohio EPA monitoring of Wolf Creek in 2017 at Stadium Road (1,500 feet downstream of the proposed project area) found the Aquatic Life Use (ALU) to be in non-attainment status for benthic communities and fish habitat. The Invertebrate Community Index (ICI) narrative score of 6 (very poor) was only 20% of the target score, indicating severe impairment of benthic communities. The site also received a Qualitative Habitat Evaluation Index (QHEI) score of 29, well below attainment at only 55% of the target score. This project (BD-2.0) has been recommended by the Maumee AOC Advisory Committee and approved by Ohio EPA and US EPA as one of the priority management action projects necessary to achieve removal of both these BUIs in the riverine headwaters section of the Berger Ditch hydrologic unit.

Wolf Creek is channelized throughout the project area; the banks are approximately eight feet high and very steep. This degree of channel incision limits hydrologic connections between the stream and its floodplain. The riparian buffer in the western section of the site is very narrow while the portion of Wolf Creek in the eastern section of the site is wider but could be improved. Wolf Creek at Stadium Road is channelized with heavy silt cover, extensive embeddedness, and poor development (no riffle habitat present). No sensitive invertebrate taxa were found and only one EPT taxa was found during the 2017 benthic sampling effort at Stadium Road.

**9. Description of Work:**

The proposed project includes the planning, design, and construction of a stream and floodplain restoration project for Wolf Creek within the city-owned Oregon Recreation Complex. Using a two-stage channel design, this project will reconnect the creek with enhanced and added floodplain benches. Wolf Creek's streambanks will be regraded to a more stable 3:1 slope to reduce erosion and bank failure. These project features will reduce the creation of instream sediment in the section of Wolf Creek in the Recreation Area, which in turn, will reduce siltation and substrate embeddedness downstream. Heavy siltation and substrate embeddedness limits invertebrate communities and reduces the quality of habitat available for fish. A conceptual plan has been created for this project and is available on the Maumee RAP DMDS site, **https://dmds.maumeerap.org/view.cfm?type=project&id=489**

More specifically, the proposed work will include:

- Request for Qualifications for design consultant
- Detailed design
- Permitting and Section 106 Coordination
- Project Bid and Advertisement
- Project Construction
- Post Construction

**Request for Qualifications**

Following award, the City of Oregon will advertise for a Request for Qualifications (RFQ) for Professional Engineering Services to complete the design work for the project. The City of Oregon would then review the Qualification Statements and select

the best consultant for the work. Typically, a consultant is selected based on their experience with similar projects, strength and experience of assigned personnel, past performance, project approach, and the firm's current workload. Multiple City personnel review and score the Consultant Qualification Statements. Scores are discussed at a meeting and a consultant is selected. The consultant selection process is anticipated to take 45 days to 60 days. **Deliverable: Select consultant and execute contract for professional engineering services**

**Detailed Design**

In general, it is expected that the consultant will use the following procedures for detailed engineering and design of the project:

1. General Site Reconnaissance: a site visit will be conducted by the consultant in order to determine the existing site conditions including, but not limited to, surficial conditions, surface water features, Wolf Creek streambank conditions, vegetative cover, and any existing infrastructure. The City of Oregon will also provide any existing data to the consultant such as utility plans or survey data of the creek and floodplain areas. Also, the consultant can determine the best location for soil borings and mark these with GPS for future soil boring activity.

2. Subsurface Exploration: as required, the consultant will order soil borings in locations as determined by the Site Reconnaissance. Soil boring data will be used by the engineer to determine existing geotechnical information about the site and a description of soil types and soil moisture levels present.

3. Topographical Survey: the consultant will be responsible for topographically surveying the site at such detail as required for input into Computer Aided Drafting (CAD) software. Other details to be surveyed include trees, utilities, roadway, sidewalk, fences, recreational facilities, property lines, Wolf Creek centerline, Wolf Creek cross sections, Wolf Creek streambanks, and any other surface features as required.

4. National Historic Preservation Act (NHPA) Section 106 Coordination: This work will include a cultural resources literature review and completion and submittal of a Section 106 Project Summary Form to the State Historic Preservation Office (SHPO).

5. Wetland Delineation: the consultant will prepare a wetland delineation of the project site in order to determine any potential impact to existing wetlands on the site and any permitting requirements for the project. Per the National Wetlands Inventory (2021) no existing wetlands are located within the project area, however, this will be field verified.

6. Modeling: as required, the consultant will prepare a Hydrologic and Hydraulic model of the watershed in order to determine any hydrologic affects the project may have on Wolf Creek and the upstream watershed. Topographical survey and local precipitation data will be used as input into the model.

7. Engineering Design: An engineering and design plan will be completed for the proposed project area by the consultant, in collaboration with the City of Oregon, using the topographical survey, site reconnaissance, soil boring, and hydraulic modeling data. Engineering design calculations will be used to determine appropriate sizing, grade elevations, and to complete a final plan to be used for construction. A construction stormwater pollution prevention plan (SWP3) will be designed in order to incorporate the required stormwater best management practices into the construction of the project.

8. Planting Plan: The consultant, in collaboration with City staff, will prepare a planting plan for the site that will help to meet project goals. The planting plan will consist of the planting of native upland, emergent, and deepwater emergent species to achieve these goals. Approximately six acres of native habitat (floodplain and riparian) will be created within the project site using a combination of native plug planting and native seeding during and following construction.

9. Invasive Species Control Plan: due to the City's experience with wetland establishment projects, it is understood that invasive species control is an integral part of a successful habitat creation / restoration. With collaboration from the City, the consultant will prepare a plan for invasive species control during and following the construction of the project. With past projects, the City has put invasive species control in the project as a bid item. This would likely be the case with this project as well. Following the project and the grant period, the City will continue invasive species control until the native plants are well established to ensure project success.

10. QAPP required monitoring: the consultant, in collaboration with the City, will create a monitoring plan in order to evaluate the performance of the constructed system once completed

11. Permitting: based on the final design of the project, the consultant will determine any required permits for the proposed work. Any required floodplain and construction permits will be acquired from the City of Oregon prior to construction. The City understands that Wetland and Stream Restoration can be permitted under the United States Army Corp of Engineers Nationwide Permit (NWP) program. A NWP 27 (Aquatic

Habitat Restoration, Establishment, and Enhancement Activities) would be sought to authorize the restoration and streambank work.

12. Plan Set Preparation: to complete detailed design, the consultant will prepare the bid plan set and specifications to be used by the City of Oregon to advertise and competitively bid the project. The final plan set will include an overall site plan, existing plan, site grading plan, site utility plan, planting plan, SWP3, and general notes and details as required.

**Project Bid and Advertisement**

The City of Oregon will take the prepared final bid plan set and bid specifications for the project and advertise for construction bids. The City has a standard procedure for bidding projects that consists of a Legal Notice to Bidders to be advertised in the Legal Notices section of the Toledo Blade newspaper and the City of Oregon's website. The Notice to Bidders describes the project and gives the items that are required for bidders to bid on the project and a bid opening date and time. A bid advertisement period lasts approximately three weeks. A bid opening is held following this period and the City reviews the bids that are submitted. The City uses a Best Bid Criteria in order to make a determination of the lowest and best bid that has been submitted. The lowest and best bid is then selected for the work and an ordinance awarding the project to the said contractor goes before the Oregon City Council to be discussed at a Committee of the Whole Meeting. The following week at a Regular City Council Meeting, the Project Award Ordinance is voted upon. If the vote is for passage, the contract is awarded to the contractor.

**Project Construction**

Following project award, the project contracts will be created by the City of Oregon and signed by the contractor. Any required funding contract language or requirements will be included in the contracts and/or the project specifications. A preconstruction meeting will be held prior to work beginning. The preconstruction meeting will include representatives of the City of Oregon, the contractor, the consultant, and any required construction inspection personnel. This meeting is held to address expectations, review goals, and answer questions regarding the project.

Following the preconstruction meeting and all required approvals from the US EPA, the contractor will be set to begin work. The contractor will adhere to the final project plan designed by the consultant to build the project. The City of Oregon and the hired inspector will provide construction inspection services for the project and ensure that standard construction methods are used. As with any construction project, plan or design discrepancies may occur. These will be addressed in the field. Any required plan changes will only be done in a way to benefit the goals of the project. The contractor will be required to follow all requirements of the Ohio EPA's General Construction Stormwater Permit and the City of Oregon's Phase II Stormwater Permit. Stormwater Best Management Practices will be installed as per the SWP3 plan in the final plan set.

Construction will specifically include a sinusoidal low flow channel that will be cut to improve stream channel morphology. Channel features such as meanders, pools, and riffles will be created to return the channel to a more natural form within the project area. These channel features provide important invertebrate and fish habitat and fish spawning areas that are typically lacking in shallow creeks and streams such as Wolf Creek. Instream and riparian cover will also be increased by adding wetland planting and native trees.

In addition to direct benefits to benthic communities and fish habitat, floodplain benches will be designed to promote pollutant dropout, degradation, and uptake with the inclusion of native wetland plantings. Small wetland areas will be created on the floodplain benches. These areas will be ideal fish and amphibian nursery areas during the early spring wet season and provide important water holding capacity and pool habitat during drier times of the year. A header tile will be constructed to intercept flow from adjacent agricultural field tiles that currently discharge directly into Wolf Creek. This tile drain flow will be routed into a constructed wetland and then eventually regulated back into Wolf Creek. The wetland will trap nutrients and sediment and be planted with native obligate species.

**Post Construction**

Following construction, the City of Oregon will complete any post project reporting and requirements of the funding within the specified timeframe. Required monitoring will be performed as per the completed QAPP. Based on monitored performance, the City will determine if any changes need to be made to the constructed system.

As with other completed restoration projects, the City of Oregon is prepared to continue maintenance of the project area for the foreseeable future. Post construction maintenance will follow the Adaptive Management and Maintenance Plan that will be created with the project design. This plan will spell out procedures to be undertaken by the City to maintain the desirable outcomes and performance that was expected of the project. Adaptive procedures will include site monitoring activities as well as corrective actions such as invasive species control, additional plantings, erosion control, and other maintenance as necessitated by the project development.

## 10. Project Results & Measuring Progress

<u>Outputs</u>

- Detaining runoff from 36 Acres of mixed-use drainage, including an estimated 9,000,000 gallons of agricultural runoff annually (USEPA National Stormwater Calculator Estimate) from 17 acres
- Regrading and vegetating 5,300 linear feet of incised streambank
- Improving the stream morphology of 1,600 linear feet of Wolf Creek
- Restoring an estimated 3.5 acres of floodplain habitat
- Installing 2.5 acres of Wolf Creek Riparian Buffer

<u>Outcomes</u>

- Improvement of Wolf Creek stream morphology and a reduction in channel incision that will result in improved fish habitat and the addition of fish spawning areas within the project area.
- Increase in instream cover along Wolf Creek
- Increase in the number of important benthic and fish habitat channel features such as pools, riffles, and meanders in Wolf Creek.
- Increase of Wolf Creek connection to the floodplain times of higher water.
- Increase in wetland habitat features on floodplain benches constructed with the project
- Reduction in the amount of sediment loss from unstable streambank slopes.
- Increasing onsite habitat quality will result in increased plant and animal species diversity for native species of local / regional conservation concern.
- In association with other MAAC-approved projects, BUI 6: Degradation of Benthos Communities and 14a: Loss of Wildlife Habitat will be removed within the Maumee AOC, ultimately helping to achieve delisting of the AOC.

**11. Project Milestones**

- Project Initiation 7/1/2021
- Advertise Request for Qualifications (Consultant Selection) 8/1/2021
- Award Design Contract 12/1/2021
- Begin Detailed Design and Permitting 1/1/2022
- Finalize Detailed Design and Permitting 1/1/2023
- Construction Bid Advertisement 3/1/2023
- Construction Initiated 5/1/2023
- Finalize Construction 1/1/2024
- Final project reports and supporting documents submitted: 12/31/2024
    - Review planting success and implement warranties.

**12. Budget Narrative and Table**

Personnel costs include the reimbursement of City of Oregon personnel for time spent administering the project. This includes soliciting design firms, reviewing, and providing input for engineering and design, facilitating the project management team and public input into the project, bidding out the construction of the project, providing construction inspection, contract administration, and the implementation of any post construction management required.

Contractual costs include the direct cost of permitting, engineering and design, construction, post construction reporting / monitoring, and administrative and legal costs associated with the construction. Specifically, for construction costs, the costs to advertise, bid, and build the project, including any in-project engineering, inspection, and testing as required by the construction specifications would be included in this amount.

# CITY OF OREGON
# MAUMEE AQUAMAP BD-2.0 - STREAM RESTORATION AT OREGON RECREATIONAL COMPLEX

## Appendix C

## USEPA Grant Agreement – Budget Summary and Administrative Conditions

Budget Summary Page

| Table A - Object Class Category (Non-Construction) | Total Approved Allowable Budget Period Cost |
|---|---|
| 1. Personnel | $70,000 |
| 2. Fringe Benefits | $30,000 |
| 3. Travel | $0 |
| 4. Equipment | $0 |
| 5. Supplies | $0 |
| 6. Contractual | $1,244,000 |
| 7. Construction | $0 |
| 8. Other | $0 |
| 9. Total Direct Charges | $1,344,000 |
| 10. Indirect Costs: 0.00 % Base null | $0 |
| 11. Total (Share: Recipient 0.00 % Federal 100.00 %) | $1,344,000 |
| 12. Total Approved Assistance Amount | $1,344,000 |
| 13. Program Income | $0 |
| 14. Total EPA Amount Awarded This Action | $1,344,000 |
| 15. Total EPA Amount Awarded To Date | $1,344,000 |

# ***Administrative Conditions***

## A. General Terms and Conditions

The recipient agrees to comply with the current EPA general terms and conditions available at: https://www.epa.gov/grants/epa-general-terms-and-conditions-effective-november-12-2020-or-later.

These terms and conditions are in addition to the assurances and certifications made as a part of the award and the terms, conditions, or restrictions cited throughout the award.

The EPA repository for the general terms and conditions by year can be found at: https://www.epa.gov/grants/grant-terms-and-conditions#general.

## B. Correspondence Condition

The terms and conditions of this agreement require the submittal of reports, specific requests for approval, or notifications to EPA. Unless otherwise noted, all such correspondence should be sent to the following email addresses:

- Federal Financial Reports (SF-425):
  rtpfc-grants@epa.gov AND Alicia Sanders, sanders.alicia@epa.gov

- MBE/WBE reports (EPA Form 5700-52A):
  Region5Closeouts@epa.gov, and Alicia Sanders, sanders.alicia@epa.gov

- All other forms/certifications/assurances, Indirect Cost Rate Agreements, Requests for Extensions of the Budget and Project Period, Amendment Requests, Requests for other Prior Approvals, updates to recipient information (including email addresses, changes in contact information or changes in authorized representatives) and other notifications:
  Erica Sheeran, sheeran.erica@epa.gov, and Alicia Sanders, sanders.alicia@epa.gov

- Payment requests (if applicable):
  Erica Sheeran, sheeran.erica@epa.gov, and Alicia Sanders, sanders.alicia@epa.gov

- Quality Assurance documents, workplan revisions, equipment lists, programmatic reports and deliverables:
  Erica Sheeran, sheeran.erica@epa.gov

## C. Pre-award Costs

In accordance with 2 CFR 1500.9, the recipient may charge otherwise allowable pre-award costs (both Federal and non-Federal matching shares) incurred from **07/01/2021** to the actual award date provided that such costs were contained in the approved application and all costs are incurred within the approved budget period.

# ***Programmatic Conditions***

## A. Performance Reporting And Final Performance Report

In accordance with 2 CFR 200.328, the recipient agrees to submit performance reports that include brief information on each of the following areas: 1) A comparison of actual accomplishments to the outputs/outcomes established in the assistance agreement work plan for the period; 2) The reasons why established outputs/outcomes were not met; and 3) Additional pertinent information, including, when appropriate, analysis and explanation of cost overruns or high-unit costs.

Additionally, the recipient agrees to inform EPA as soon as problems, delays, or adverse conditions which will materially impair the ability to meet the outputs/outcomes specified in the assistance agreement work plan are known.

1. **Semi-annual progress reports:** Starting with the first full reporting period after the issuance of the award, the recipient shall submit semi-annual progress reports (electronically) to the EPA Project Officer by **April 15 but no later than April 30** and **by October 15 but no later than October 30** of each year, through the life of the assistance agreement. Reporting periods shall be the 6-month periods from October 1 to March 31 and April 1 to September 30. Progress reports shall document progress in writing and in pictures, for the project during the immediately preceding reporting period and must contain sufficient information in order to ascertain that the workplan is being carried out as specified in the assistance agreement. Progress reports shall describe all of the following that apply:

   (a) Work accomplished for the period, quantifying results achieved. Specify any incremental and cumulative (from October 1, 2014 on) results achieved during the reporting period for all applicable GLRI Action Plan III measures (*i.e.*, the number of responses, exercises, acres, and/or miles for measures on the list at on page 5 of the GLRI Action Plan III: https://www.epa.gov/sites/production/files/2019-10/documents/glri-action-plan-3-201910-30pp.pdf) ,in accordance with any direction provided by your EPA project officer and the GLRI Action Plan III Measures Reporting Plan as periodically updated by the EPA at <http://www.epa.gov/great-lakes-funding >, particularly:

| # | Measure of Progress |
|---|---|
| 1.1.1 | Areas of Concern where all management actions necessary for delisting have been implemented. |
| 3.2.1 | Estimated gallons (in millions) of untreated stormwater runoff captured or treated. |
| 4.1.1 | Acres of coastal wetland, nearshore, and other habitats restored, protected, or enhanced. |

   (b) Object Class Category changes;

(c) Corrective actions;

(d) Projected new work;

(e) Percent completion of scheduled work;

(f) Percent of budgeted amounts spent;

(g) Any change in principal investigator;

(h) Any change needed in project period,

(i) Date and amount of latest drawdown request; and

(j) Delays or adverse conditions which materially impair the ability to meet the outputs/outcomes specified in the assistance agreement workplan.

The EPA Project Officer must be able to determine that all mission support products, services, information or data generation and use, including technology development and verification, is performed in accordance with EPA policies and the assistance agreement. To develop your progress report you may use the outline at <http://www.epa.gov/great-lakes-funding>.

2. **Final Report:** The Final Report shall incorporate project outputs and summarize the nature and extent of the project, methodologies employed, significant events and experiences, a compilation of the data collected and results achieved. Results shall include the cumulative results achieved during the project period for all applicable GLRI Action Plan III measures described in element 1 of the Semiannual Progress Report condition above. The final report shall also include analysis of the data, conclusions, and recommendations. The final report shall incorporate photo documentation of the project and environmental progress under the project at appropriate phases, and appropriate illustrations, diagrams, charts, graphs, and maps to express the data and findings. In order for the report writing costs to be eligible under the award, they must be incurred before the project end date. Electronic and paper versions of the **Final Report shall be submitted no later than 120 days after the end of the project period.** All work products shall carry attribution to the U.S. EPA Great Lakes Restoration Initiative for funding assistance and should also acknowledge significant contributions by others. If applicable, the Final Report shall include:

- A database (Excel or similar format) of field and laboratory data including but not limited to lat-long, date, time, field observations, parameter data, laboratory analysis, QA duplicates/replicates
- Model files including input-output data, model code, model output, and peripheral and post-processing utilities.

**B. Cybersecurity Condition**

**Cybersecurity Grant Condition for Other Recipients, Including Intertribal Consortia**

(a) The recipient agrees that when collecting and managing environmental data under this assistance agreement, it will protect the data by following all applicable State or Tribal law cybersecurity requirements.

(b) (1) EPA must ensure that any connections between the recipient's network or information system and EPA networks used by the recipient to transfer data under this agreement, are secure. For purposes of this Section, a connection is defined as a dedicated persistent interface between an Agency IT system and an external IT system for the purpose of transferring information. Transitory, user-controlled connections such as website browsing are excluded from this definition.

If the recipient's connections as defined above do not go through the Environmental Information Exchange Network or EPA's Central Data Exchange, the recipient agrees to contact the EPA Project Officer (PO) no later than 90 days after the date of this award and work with the designated Regional/Headquarters Information Security Officer to ensure that the connections meet EPA security requirements, including entering into Interconnection Service Agreements as appropriate. This condition does not apply to manual entry of data by the recipient into systems operated and used by EPA's regulatory programs for the submission of reporting and/or compliance data.

(2) The recipient agrees that any subawards it makes under this agreement will require the subrecipient to comply with the requirements in (b)(1) if the subrecipient's network or information system is connected to EPA networks to transfer data to the Agency using systems other than the Environmental Information Exchange Network or EPA's Central Data Exchange. The recipient will be in compliance with this condition: by including this requirement in subaward agreements; and during subrecipient monitoring deemed necessary by the recipient under 2 CFR 200.331(d), by inquiring whether the subrecipient has contacted the EPA Project Officer. Nothing in this condition requires the recipient to contact the EPA Project Officer on behalf of a subrecipient or to be involved in the negotiation of an Interconnection Service Agreement between the subrecipient and EPA.

### C. Requesting Travel Costs

Time and travel costs along with participation in professional meetings and conferences funded under this agreement shall be approved by the EPA Project Officer in advance. Although the EPA Project Officer may have approved this type of activity as a component of the workplan, the recipient (or its representative) seeking to attend professional meetings and conferences not covered/approved in the original scope of work, needs to obtain prior approval from an EPA Project Officer.

### D. Travel Narrative

Specifically, **at least 30 days** in advance, the recipient shall request approval of the EPA Project Officer for any travel plans not previously anticipated and not previously approved as part of this assistance agreement by providing the Project Officer with a

description of the event, the location of the event, the event sponsor, travel dates, the recipient's role in the event, the number of travelers and an itemized travel breakdown of costs ((per diem, mileage, lodging, parking/tolls, airfare). The request should also include a justification describing why this travel is a necessary part of this assistance agreement. The recipient agrees that any travel requiring an increase in grant funds or a rebudgeting of funds from other cost categories of the approved budget must be approved in writing and/or by formal amendment to this agreement as applicable.

**E. International Travel**

The recipient understands that any international travel requires written prior approval by EPA since such travel requires clearance by EPA's Office of International and Tribal Affairs. The recipient must request approval for International travel not approved in the workplan by submitting a request to the Project Officer **at least 30 days** in advance. The recipient understands that if it incurs travel costs of any kind without EPA's prior approval, it does so at its own risk.

**F. Signage**

The recipient shall ensure that a visible project identification sign (with the Great Lakes Restoration Initiative logo provided by the EPA Project Officer) is erected as appropriate at each on-the-ground protection or restoration project. Each sign must give project information and credit the Great Lakes Restoration Initiative and appropriate federal agencies for funding. The recipient will determine the design, placement, and materials for each sign. The GLRI logo should be accompanied with the statement indicating that the **City of Oregon, Ohio** received financial support in the amount of $1,344,000.00 from the EPA.

**G. Public or Media Events**

The Recipient agrees to notify the EPA Project Officer listed in this award document of public or media events publicizing the accomplishment of significant events related to construction projects as a result of this agreement and provide the opportunity for attendance and participation by federal representatives with at least ten (10) working days' notice.

**H. Health, Safety, and Environmental Compliance**

All health, lab and field activities conducted for this project must be in accordance and compliance with all applicable health, safety and environmental laws, regulations, and guidelines.

**I. Management Practice**

Recipient agrees to properly operate and maintain any best management practices or management practices implemented through this award in accordance with design standards and specifications.

**J. Disposition of Wastes**

Disposal of all wastes will be in accordance with State and Federal regulations and is the

responsibility of the recipient.

### K. Timely Fiscal Expenditures

The recipient must ensure funds are expended timely commensurate to the progression of Project Activities. To ensure compliance with unliquidated obligations (ULO) policies, the recipient must **notify the EPA Project Officer** of potential drawdown delays that exceed 180 days.

### L. QUALITY ASSURANCE

**Please visit our Quality Assurance Resources for Great Lakes Restoration Initiative Grantees website for more information about GLRI requirements, tools, and resources.**

**Quality Assurance System**

**Scope:**

Quality assurance (QA) applies to all agreements that involve environmental data operations, including environmental or scientific data and information collection, production or use. Environmental data operations include the acquisition, generation, compilation or use of environmental data and technology. These terms and conditions apply to all environmental programs included in the agreement's workplan that contain environmental data operations. Definitions applicable to these terms and conditions are in the following locations: Appendix A of EPA QA/R-2: EPA Requirements for Quality Management Plans and Appendix B of EPA QA R-5: EPA Requirements for Quality Assurance Project Plans. Examples are included in the Example Activities Section at: Quality Specifications for non-EPA Organizations to do business with EPA.

Sub-awards will include appropriate quality requirements for the work conducted through sub-agreements with other organizations. The prime recipient is accountable for all work performed on the project or program award including any portion of the external agreement work that the recipient awards to a sub-recipient.

Authorities, in accordance with:

- 2 CFR 1500.12;
- 40 CFR 35;
- Policy and Program Requirements for the Mandatory Agency-wide Quality System, May 2000 CIO 2105.0;
- EPA Quality Manual for Environmental Programs, May 2000 CIO 2105-P-01-0;
- EPA QA/R-2: EPA Requirements for Quality Management Plans;
- EPA QA/R-5: EPA Requirements for Quality Assurance Project Plans; and
- and as described by the Office of Grants and Debarment Quality Assurance Requirements

**Communications:**

The EPA Project Officer will provide the recipient with the EPA QA contact upon EPA's award issuance or upon request by recipient for pre-submittal questions and other communications regarding QA system document(s). A list of QA managers is posted on EPA's Quality Program website. The recipient agrees to include the EPA Project Officer on all written communications with the EPA QA contact.

**GLRI Quality Documentation Requirements:**

Recipients implementing environmental programs within the scope of the assistance agreement must submit an approvable Quality Assurance Project Plan (QAPP) at least ***90*** days prior to the initiating of data collection or data compilation. In accordance with 2 CFR 1500.11, the recipient must develop and implement quality assurance and quality control procedures, specifications and documentation sufficient to produce data of adequate quality to meet project objectives. A Quality Assurance Project Plan (QAPP) provides comprehensive details about the quality assurance, quality control, and technical activities that must be implemented to ensure that project objectives are met. The QAPP should be prepared in accordance with (IAW) EPA QA/R-5: EPA Requirements for Quality Assurance Project Plans.

The recipient agrees to ensure that no environmental data collection, production, or use occurs without QAPP approval by the EPA authorized reviewer except under circumstances requiring immediate action to protect human health and the environment or operations conducted under police powers. When substantive change is warranted, the recipient must modify the QAPP and submit the revision for EPA approval. Only after the revision has been received and approved shall the change be implemented.

When the recipient is delegating the responsibility for an environmental data collection or data compilation activity to another organization, the EPA Regional Quality Assurance Manager may allow the recipient to review and approve that organization's QAPP. The recipient must provide the approved QAPP to the EPA Project Officer. Additional information on these requirements can be found at EPA's Implementation of Quality Assurance Requirements for Organizations Receiving EPA Financial Assistance website.

Recipients with an approved Quality Management Plan (QMP) shall continue to implement and adhere to the approved QMP. The recipient must provide project-level quality documentation to the EPA Project Officer prior to the initiation of relevant work activities. Additional information on these requirements can be found at EPA's Implementation of Quality Assurance Requirements for Organizations Receiving EPA Financial Assistance website.

### M. Geospatial Data

All geospatial data created must be consistent with Federal Geographic Data Committee (FGDC) endorsed standards. Information on these standards may be found at https://www.fgdc.gov/

Location information (address information, latitude and longitude values, coverage,

geospatial metadata, and other coordinate information) shall be reported for all areas of interest in this agreement (ex: sampling sites/areas, restoration sites/areas, etc.). All reports and supplemental data, text, and graphics shall be submitted to the EPA Project Officer in digital format as follows:

[a] Original electronic copy on CD or Email Attachments. Macintosh and Windows are acceptable. All major word processing and desktop publishing formats are acceptable. Digital graphics should be submitted in their original form. Any special fonts used within the document should also be provided, **OR [**b] Hypertext markup language, (HTML) **OR** [c] "PDF" version.

Contact Kenneth Klewin (klewin.kenneth@epa.gov, (312) 886-4794) with questions. All data, including geospatial data should be collected, acquired, processed, documented, stored, accessed, maintained, and retired through the use of complete, consistent, and integrated metadata.

## N. Competency Policy

### Competency of Organizations Generating Environmental Measurement Data

In accordance with Agency Policy Directive Number FEM-2012-02, Policy to Assure the Competency of Organizations Generating Environmental Measurement Data under Agency-Funded Assistance Agreements, Recipient agrees, by entering into this agreement, that it has demonstrated competency prior to award, or alternatively, where a pre-award demonstration of competency is not practicable, Recipient agrees to demonstrate competency prior to carrying out any activities under the award involving the generation or use of environmental data. Recipient shall maintain competency for the duration of the project period of this agreement and this will be documented during the annual reporting process. A copy of the Policy is available online at https://www.epa.gov/sites/production/files/2015-03/documents/competency-policy-aaia-new.pdf or a copy may also be requested by contacting the EPA Project Officer for this award.