

Minutes of Professional Prequalification Board Meeting

Wednesday, May 11, 2022 at 3:00 P.M. – WebEx Conference Call

Board Members Present:

Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA
Paul Fraioli, PE
Rex B. Gedney, RA
Thomas Rudolph, PE
Eliot Senior, PE, LS

Board Members Absent:

None

Guests Present:

Vincent F. Kopicki, PE, Commissioner of Environmental Facilities
Nat J. Federici, PE, Deputy Commissioner of Environmental Facilities
Louis J. Vetrone, Deputy Commissioner of Environmental Facilities
Aviva Meyer, Assistant to the County Executive
Hugh J. Greechan, Jr., PE, Commissioner of Public Works and Transportation
Gayle M. Katzman, PE, First Deputy Commissioner of Public Works and Transportation
Hernane N. De Almeida, PE, Deputy Commissioner of Public Works and Transportation
Angelo Sgobbo, PE, Associate Engineer, Public Works and Transportation
Yolanda Spraggins, Secretary II, Public Works and Transportation

I. Call to Order

Cesare Manfredi, Chair, called the meeting of the Professional Prequalification Board to order at 3:09 p.m.

II. Environmental Facilities

Mr. Kopicki and Mr. Vetrone presented the following project to the Board.

A. **Refuse Disposal District #1 – Material Recovery Facility and Transfer Station Rehabilitation (RD017)**

This project addresses upgrades to the Material Recovery Facility (MRF) and all transfer stations, including the material sorting and handling equipment and building systems. The building upgrade work may include, but is not limited to, HVAC, electrical, mechanical, plumbing, structural, architectural, and roofs. The equipment upgrades may include, but are not limited to, replacement and/or restructuring of solids waste and recyclables processing and handling equipment and/or methods. The design will be based on the results of an ongoing study that is anticipated to be completed by June 30, 2022. The study will also establish the construction phasing and budget.

The budget for design and construction management is \$2,000,000.

Consultant Services are for design and construction management.

Code(s): E03 – Electrical Studies and Design
H04 – Heating; Ventilating; Air Conditioning

P07 – Plumbing and Piping Design
R06 – Rehabilitation (Buildings; Structures; Facilities)
R09 – Resources Recovery; Recycling
S07 – Solid Wastes; Incineration; Landfill
C15 – Construction Management

A brief discussion on the project followed.

Mr. Kopicki and Mr. Federici presented the following projects to the Board.

B. Hastings Pumping Station Influent Sewer Rehabilitation (SNY95)

This project addresses rehabilitation of the influent sewer that feeds into the Hastings Pumping Station. Rehabilitation may involve, but is not limited to, cured in place pipe lining, dig and replace sections of the sewer, etc. This project is complex due to the former ARCO site being a superfund site, requiring access to the adjacent Metro North site, and the required additional permitting that is anticipated.

The project budget is \$3,000,000.

Consultant Services are for design and construction management.

Code(s): S04 – Sewage Collection, Treatment and Disposal
C15 – Construction Management

A brief discussion on the project followed.

C. Ossining Water Resource Recovery Facility – Fire, Gas, and Security Detection Systems (SOS07)

This project addresses replacement of all fire and gas detection and alarm equipment at the Ossining Water Resource Recovery Facility, including but not limited to fire, carbon monoxide, hydrogen sulfide, and oxygen detection. The alarms will be tied into the facility’s SCADA system. Additional security cameras will also be installed and connected to the County wide security system. This study will evaluate the new technologies and equipment options that could be used for this project, methods to maintain the plant in operation during construction, and develop a preliminary budget.

The budget for the study is \$200,000.

Consultant Services are for study, design and construction management.

Code(s): F03 – Fire Protection
G02 – Gas Systems (Propane, Natural, Etc.)
S02 – Security Systems; Intruder & Smoke Detection
C15 – Construction Management

A brief discussion on the project followed.

D. Peekskill Water Resource Recovery Facility – HVAC Replacement (SPK23)

This project addresses replacement of all the HVAC equipment at the Peekskill Water Resource Recovery Facility. This study will evaluate the new technologies and equipment options that could be used for this project, methods to maintain the plant in operation during construction, and develop a preliminary budget.

The budget for the study is \$200,000.

Consultant Services are for study, design and construction management.

Code(s): E03 – Electrical Studies and Design
H04 – Heating; Ventilating; Air Conditioning

R06 – Rehabilitation (Buildings; Structures; Facilities)
C15 – Construction Management

A brief discussion on the project followed.

E. McGregory Brook Relief Sewer (SPK26)

This project addresses construction of a relief sewer and associated manholes on the McGregory Brook Intercepting Sewer in the City of Peekskill.

The project budget is \$1,500,000.

Consultant Services are for design and construction management.

Code(s): S04 – Sewage Collection, Treatment and Disposal
C15 – Construction Management

A brief discussion on the project followed.

F. Yonkers Joint Water Resource Recovery Facility – Primary Sludge Gravity Thickener Piping Replacement and Process Improvements (SY044)

This project addresses replacement of the primary sludge gravity thickener collection equipment, at the Yonkers Joint Water Resource Recovery Facility including but not limited to the piping and valves; the installation of new primary sludge bar screens; and/or the replacement of the existing influent bar screens; installation of new sludge grinders; and relocation of the digester overflow pipe. The work will also include all mechanical, electrical, instrumentation, controls, HVAC, plumbing, architectural, or structural work and appurtenances as required.

The design will review the hydraulics of the system, determine if the pipe routing or process flow should be changed, evaluate the installation of new sludge bar screens (preferably one for each gravity thickener) or the use of alternative equipment for sludge conditioning such as a recirculating sludge conditioning line that separates rags and grit, and/or a material separator such as a STRAINPRESS or equal, evaluate replacement alternatives for the existing influent bar screens, and develop a construction staging or bypass plan to keep the process in operation while replacing all equipment.

The project budget is \$10,000,000.

Consultant Services are for design and construction management.

Code(s): E03 – Electrical Studies and Design
H04 – Heating; Ventilating; Air Conditioning
P07 – Plumbing & Piping Design
R06 – Rehabilitation (Buildings; Structures; Facilities)
S04 – Sewage Collection, Treatment and Disposal
C15 – Construction Management

A brief discussion on the project followed.

G. Yonkers Joint Water Resource Recovery Facility – Solids Handling Upgrades (SY045)

This project addresses replacement of all the solids handling equipment at the Yonkers Joint Water Resource Recovery Facility, including, but not limited to, dewatering equipment, piping, pumping, screw conveyors, hoppers polymer systems, filtrate drainage, spray water, waste gas system, odor control and HVAC. The study will evaluate the equipment and replacement options as well as other solids handling alternatives such as barging.

The budget for the study is \$600,000.

Consultant Services are for study, design and construction management.

*Code(s): E03 – Electrical Studies and Design
H04 – Heating; Ventilating; Air Conditioning
P07 – Plumbing & Piping Design
R06 – Rehabilitation (Buildings; Structures; Facilities)
S04 – Sewage Collection, Treatment and Disposal
C15 – Construction Management*

A brief discussion on the project followed.

Mr. Federici presented the following projects to the Board.

H. Yonkers Joint Sewer Districts – Sewer Tunnel Rehabilitation (SY053)

This project addresses the inspection and rehabilitation of several large diameter sewer tunnels in the Yonkers Joint Sewer Districts. The initial first phase study will provide the County with a recommended alternative and cost estimate. A future second phase will implement the selected alternative and perform the inspection, assess the results, and provide cost estimates of any necessary repairs. Design and construction administration of the actual repair work will occur as the final future third phase.

The budget for the study is \$200,000.

Consultant Services are for study, design and construction management.

*Code(s): S04 – Sewage Collection, Treatment and Disposal
C15 – Construction Management*

A brief discussion on the project followed.

I. County Water District #1 – Alternate Water Supply (WD103)

There are two remaining phases of this project. One phase will provide for uninterrupted power supply at the Central Avenue Pumping Station to ensure continuous water treatment during a utility power outage and may also provide a means to divert any off specification water out of the distribution system and into the stormwater collection system in the unlikely event that the UPS is not functioning. The other phase will extend the Kensico-Bronx Pipeline (KBP) from its current terminus at McLean Avenue in Yonkers into the Bronx borough of New York City to connect to the City’s water distribution system. This connection will provide a redundant backup water supply for County Water District #1 members. The work will include the installation of additional water meters, hydrants, and valves and improvements at New York City’s Shaft 22 located in Yonkers.

The project budget is \$38,000,000.

Consultant Services are for design and construction management.

*Code(s): E03 – Electrical Studies and Design
W03 – Water Supply; Treatment & Distribution
C15 – Construction Management*

A brief discussion on the project followed.

J. County Water District #1 – Rehabilitation of the 48” Kensico-Bronx Pipeline (WD105)

This project addresses evaluation of the overall condition of the 48” diameter Kensico-Bronx Pipeline and identify any needed rehabilitation and drainage improvements as well as study replacement and routing

alternatives. Preliminary cost estimates for each type of deficiency will be provided and possible construction phasing and methods to ensure continuous, uninterrupted supply of drinking water in compliance with federal, state, and local regulatory requirements.

The budget for the study is \$750,000.

Consultant Services are for study, design and construction management.

*Code(s): W03 – Water Supply; Treatment & Distribution
C15 – Construction Management*

A brief discussion on the project followed.

K. Project Management Services (Environmental Facilities)

Project management services are required to assist the Department of Environmental Facilities in managing the capital program and reducing the backlog of projects awaiting completion. The consultant will provide study services, design services, and construction administration services for various sewer, water, or refuse disposal projects. The consultant may also coordinate with County staff in the oversight of other consultants assigned to environmental facilities projects. The term of the consultant agreement shall be for three (3) years with an option for an additional two (2) years.

Project fee is approximately \$2,000,000 annually.

Consultant Services are for study, design, and construction management.

*Code(s): R09 – Resources Recovery; Recycling
S04 – Sewage Collection, Treatment and Disposal
S07 – Solid Wastes; Incineration; Landfill
W03 – Water Supply; Treatment & Distribution
C15 – Construction Management*

A brief discussion on the project followed.

The Board went into Executive Session to review the current lists of consultant firms for the associated codes for each project and to discuss the qualifications of the consultant firms to perform the requested work.

III. Consultant Qualification Lists

The Board returned from Executive Session with a consultant qualification list for each project.

A motion to approve the consultant qualification list for the **Refuse Disposal District #1 – Material Recovery Facility and Transfer Station Rehabilitation (RD017)** was made by Mr. Fleisig, seconded by Mr. Gedney. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member
Thomas Rudolph, PE, Member
Eliot Senor, PE, LS, Member

The consultant qualification list for this project is attached.

A motion to approve the consultant qualification list for the **Hastings Pumping Station Influent Sewer Rehabilitation (SNY95)** was made by Mr. Fraioli, seconded by Mr. Fleisig. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member
Thomas Rudolph, PE, Member
Eliot Senior, PE, LS, Member

The consultant qualification list for this project is attached.

A motion to approve the consultant qualification list for the **Ossining Water Resource Recovery Facility – Fire, Gas, and Security Detection Systems (SOS07)** was made by Mr. Rudolph, seconded by Mr. Fraioli. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member
Thomas Rudolph, PE, Member
Eliot Senior, PE, LS, Member

The consultant qualification list for this project is attached.

A motion to approve the consultant qualification list for the **Peekskill Water Resource Recovery Facility – HVAC Replacement (SPK23)** was made by Mr. Gedney, seconded by Mr. Senior. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member
Thomas Rudolph, PE, Member
Eliot Senior, PE, LS, Member

The consultant qualification list for this project is attached.

A motion to approve the consultant qualification list for the **McGregory Brook Relief Sewer (SPK26)** was made by Mr. Fraioli, seconded by Mr. Senior. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member
Thomas Rudolph, PE, Member
Eliot Senior, PE, LS, Member

The consultant qualification list for this project is attached.

A motion to approve the consultant qualification list for the **Yonkers Joint Water Resource Recovery Facility – Primary Sludge Gravity Thickener Piping Replacement and Process Improvements (SY044)** was made by Mr. Senior, seconded by Mr. Rudolph. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member

Thomas Rudolph, PE, Member
Eliot Senior, PE, LS, Member

The consultant qualification list for this project is attached.

A motion to approve the consultant qualification list for the **Yonkers Joint Water Resource Recovery Facility – Solids Handling Upgrades (SY045)** was made by Mr. Gedney, seconded by Mr. Senior. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member
Thomas Rudolph, PE, Member
Eliot Senior, PE, LS, Member

The consultant qualification list for this project is attached.

A motion to approve the consultant qualification list for the **Yonkers Joint Sewer Districts – Sewer Tunnel Rehabilitation (SY053)** was made by Mr. Gedney, seconded by Mr. Fraioli. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member
Thomas Rudolph, PE, Member
Eliot Senior, PE, LS, Member

The consultant qualification list for this project is attached.

A motion to approve the consultant qualification list for the **County Water District #1 – Alternate Water Supply (WD103)** was made by Mr. Senior, seconded by Mr. Gedney. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member
Thomas Rudolph, PE, Member
Eliot Senior, PE, LS, Member

The consultant qualification list for this project is attached.

A motion to approve the consultant qualification list for the **County Water District #1 – Rehabilitation of the 48” Kensico-Bronx Pipeline (WD105)** was made by Mr. Fraioli, seconded by Mr. Senior. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member
Thomas Rudolph, PE, Member
Eliot Senior, PE, LS, Member

The consultant qualification list for this project is attached.

A motion to approve the consultant qualification list for the **Project Management Services (Environmental Facilities)** was made by Mr. Fleisig, seconded by Mr. Senior. The motion carried by the following vote:

Aye: Cesare J. Manfredi, PE, Chair
Morgen Fleisig, RA, Member
Paul Fraioli, PE, Member
Rex B. Gedney, AIA, Member
Thomas Rudolph, PE, Member
Eliot Senior, PE, LS, Member

The consultant qualification list for this project is attached.

IV. Adjournment

The Board adjourned at 4:35 p.m.

CONSULTANT QUALIFICATION LIST

Project I: A. Refuse Disposal District #1 – Material Recovery Facility and Transfer Station Rehabilitation (RD017)

Department: Environmental Facilities

**Code(s): R06 – Rehabilitation (Buildings; Structures; Facilities)
H04 – Heating; Ventilating; Air Conditioning
P07 – Plumbing and Piping Design
E03 – Electrical Studies and Design
R09 – Resources Recovery; Recycling
S07 – Solid Wastes; Incineration; Landfill
C15 – Construction Management**

Date Prepared: May 11, 2022

- **ARCADIS of New York, Inc. (White Plains, NY)**
- **Barton & Loguidice, DPC (Somers, NY)**
- **CDM Smith (Woodbury, NY)**
- **Cornerstone Engineering and Land Surveying, PLLC (Middletown, NY)**
- **Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, DPC (Syracuse, NY; WBE)**
- **H2M architects + engineers (Purchase, NY)**
- **Henningson, Durham & Richardson Architecture and Engineering, PC (White Plains, NY)**
- **LGM Consultants Engineering Services, PLLC (Tarrytown, NY; WBE)**

CONSULTANT QUALIFICATION LIST

Project I: B. Hastings Pumping Station Influent Sewer Rehabilitation (SNY95)

Department: Environmental Facilities

**Code(s): S04 – Sewage Collection, Treatment and Disposal
C15 – Construction Management**

Date Prepared: May 11, 2022

- **AI Engineers, Inc. (Dolph Rotfeld Engineering, PC) (Middletown, CT; MBE)**
- **ARCADIS of New York, Inc. (White Plains, NY)**
- **Brown and Caldwell (New York, NY)**
- **Cameron Engineering & Associates, LLP (Woodbury, NY)**
- **Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, DPC (Syracuse, NY; WBE)**
- **Greeley and Hansen LLC (New York, NY)**
- **H2M architects + engineers (Purchase, NY)**
- **Hazen and Sawyer, DPC (New York, NY)**

CONSULTANT QUALIFICATION LIST

Project I: C. Ossining Water Resource Recovery Facility – Fire, Gas, and Security Detection Systems (SOS07)

Department: Environmental Facilities

**Code(s): F03 – Fire Protection
G02 – Gas Systems (Propane, Natural, Etc.)
S02 – Security Systems; Intruder & Smoke Detection
C15 – Construction Management**

Date Prepared: May 11, 2022

- **Cameron Engineering & Associates, LLP (Woodbury, NY)**
- **CPL Architects, Engineers, Landscape Architect and Surveyor, DPC (Somers, NY)**
- **French & Parrello Associates, PA (Wall, NJ)**
- **Gannett Fleming Engineers and Architects, PC (New York, NY)**
- **Greeley and Hansen LLC (New York, NY)**
- **H2M architects + engineers (Purchase, NY)**
- **Lyn Staar Engineering, PC (White Plains, NY; WBE)**
- **OLA Consulting Engineers, PC (Hawthorne, NY)**

CONSULTANT QUALIFICATION LIST

Project I: D. Peekskill Water Resource Recovery Facility – HVAC Replacement (SPK23)

Department: Environmental Facilities

**Code(s): E03 – Electrical Studies and Design
H04 – Heating; Ventilating; Air Conditioning
R06 – Rehabilitation (Buildings; Structures; Facilities)
C15 – Construction Management**

Date Prepared: May 11, 2022

- **Black & Veatch New York LLP (New York, NY)**
- **Cameron Engineering & Associates, LLP (Woodbury, NY)**
- **Collado Engineering, DPC (White Plains, NY; MBE)**
- **CPL Architects, Engineers, Landscape Architect and Surveyor, DPC (Somers, NY)**
- **Gannett Fleming Engineers and Architects, PC (New York, NY)**
- **Greeley and Hansen LLC (New York, NY)**
- **Hazen and Sawyer, DPC (New York, NY)**
- **Lyn Staar Engineering, PC (White Plains, NY; WBE)**

CONSULTANT QUALIFICATION LIST

Project I: E. McGregory Brook Relief Sewer (SPK26)

Department: Environmental Facilities

**Code(s): S04 – Sewage Collection, Treatment and Disposal
 C15 – Construction Management**

Date Prepared: May 11, 2022

- **AI Engineers, Inc. (Dolph Rotfeld Engineering, PC) (Middletown, CT; MBE)**
- **ARCADIS of New York, Inc. (White Plains, NY)**
- **Arup (New York, NY)**
- **Brown and Caldwell (New York, NY)**
- **CPL Architects, Engineers, Landscape Architect and Surveyor, DPC (Somers, NY)**
- **H2M architects + engineers (Purchase, NY)**
- **Hazen and Sawyer, DPC (New York, NY)**
- **LGM Consultants Engineering Services, PLLC (Tarrytown, NY; WBE)**

CONSULTANT QUALIFICATION LIST

Project I: F. Yonkers Joint Water Resource Recovery Facility – Primary Sludge Gravity Thickener Piping Replacement and Process Improvements (SY044)

Department: Environmental Facilities

**Code(s): E03 – Electrical Studies and Design
H04 – Heating; Ventilating; Air Conditioning
P07 – Plumbing & Piping Design
R06 – Rehabilitation (Buildings; Structures; Facilities)
S04 – Sewage Collection, Treatment and Disposal
C15 – Construction Management**

Date Prepared: May 11, 2022

- **ARCADIS of New York, Inc. (White Plains, NY)**
- **Brown and Caldwell (New York, NY)**
- **CDM Smith (Woodbury, NY)**
- **Gannett Fleming Engineers and Architects, PC (New York, NY)**
- **Greeley and Hansen LLC (New York, NY)**
- **H2M architects + engineers (Purchase, NY)**
- **Hazen and Sawyer, DPC (New York, NY)**
- **Savin Engineers, PC (Pleasantville, NY; MBE)**

CONSULTANT QUALIFICATION LIST

Project I: G. Yonkers Joint Water Resource Recovery Facility – Solids Handling Upgrades (SY045)

Department: Environmental Facilities

**Code(s): E03 – Electrical Studies and Design
H04 – Heating; Ventilating; Air Conditioning
P07 – Plumbing & Piping Design
R06 – Rehabilitation (Buildings; Structures; Facilities)
S04 – Sewage Collection, Treatment and Disposal
C15 – Construction Management**

Date Prepared: May 11, 2022

- **ARCADIS of New York, Inc. (White Plains, NY)**
- **Barton & Loguidice, DPC (Somers, NY)**
- **CDM Smith (Woodbury, NY)**
- **Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, DPC (Syracuse, NY; WBE)**
- **H2M architects + engineers (Purchase, NY)**
- **Hazen and Sawyer, DPC (New York, NY)**
- **O'Brien & Gere Engineers, Inc. / Ramboll Americas Engineering Solutions, Inc. (White Plains, NY)**
- **Savin Engineers, PC (Pleasantville, NY; MBE)**

CONSULTANT QUALIFICATION LIST

Project I: H. Yonkers Joint Sewer Districts – Sewer Tunnel Rehabilitation (SY053)

Department: Environmental Facilities

**Code(s): S04 – Sewage Collection, Treatment and Disposal
C15 – Construction Management**

Date Prepared: May 11, 2022

- **AI Engineers, Inc. (Dolph Rotfeld Engineering, PC) (Middletown, CT; MBE)**
- **ARCADIS of New York, Inc. (White Plains, NY)**
- **Barton & Loguidice, DPC (Somers, NY)**
- **Brown and Caldwell (New York, NY)**
- **CDM Smith (Woodbury, NY)**
- **CPL Architects, Engineers, Landscape Architect and Surveyor, DPC (Somers, NY)**
- **Hazen and Sawyer, DPC (New York, NY)**
- **Mott MacDonald NY, Inc. (Tarrytown, NY)**

CONSULTANT QUALIFICATION LIST

Project I: I. County Water District #1 – Alternate Water Supply (WD103)

Department: Environmental Facilities

**Code(s): E03 – Electrical Studies and Design
W03 – Water Supply; Treatment & Distribution
C15 – Construction Management**

Date Prepared: May 11, 2022

- **ARCADIS of New York, Inc. (White Plains, NY)**
- **Arup (New York, NY)**
- **C&S Companies (Syracuse, NY)**
- **Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, DPC (Syracuse, NY; WBE)**
- **Gannett Fleming Engineers and Architects, PC (New York, NY)**
- **GHD Consulting Engineers, LLC (Syracuse, NY)**
- **H2M architects + engineers (Purchase, NY)**
- **Hazen and Sawyer, DPC (New York, NY)**
- **O'Brien & Gere Engineers, Inc. / Ramboll Americas Engineering Solutions, Inc. (White Plains, NY)**

CONSULTANT QUALIFICATION LIST

Project I: J. County Water District #1 – Rehabilitation of the 48” Kensico-Bronx Pipeline (WD105)

Department: Environmental Facilities

**Code(s): W03 – Water Supply; Treatment & Distribution
C15 – Construction Management**

Date Prepared: May 11, 2022

- **ARCADIS of New York, Inc. (White Plains, NY)**
- **Arup (New York, NY)**
- **Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, DPC (Syracuse, NY; WBE)**
- **Gannett Fleming Engineers and Architects, PC (New York, NY)**
- **GHD Consulting Engineers, LLC (Syracuse, NY)**
- **H2M architects + engineers (Purchase, NY)**
- **Hazen and Sawyer, DPC (New York, NY)**
- **O'Brien & Gere Engineers, Inc. / Ramboll Americas Engineering Solutions, Inc. (White Plains, NY)**
- **Savin Engineers, PC (Pleasantville, NY; MBE)**

CONSULTANT QUALIFICATION LIST

Project I: K. Project Management Services (Environmental Facilities)

Department: Environmental Facilities

**Code(s): S04 – Sewage Collection, Treatment and Disposal
W03 – Water Supply; Treatment & Distribution
R09 – Resources Recovery; Recycling
S07 – Solid Wastes; Incineration; Landfill
C15 – Construction Management**

Date Prepared: May 11, 2022

- **AECOM USA, Inc. (New York, NY)**
- **AI Engineers, Inc. (Dolph Rotfeld Engineering, PC) (Middletown, CT; MBE)**
- **ARCADIS of New York, Inc. (White Plains, NY)**
- **Barton & Loguidice, DPC (Somers, NY)**
- **Cashin Associates, PC (Hauppauge, NY)**
- **CDM Smith (Woodbury, NY)**
- **Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, DPC (Syracuse, NY; WBE)**
- **H2M architects + engineers (Purchase, NY)**
- **Hazen and Sawyer, DPC (New York, NY)**
- **Henningson, Durham & Richardson Architecture and Engineering, PC (White Plains, NY)**