



42 Elgin Road
Ballsbridge, Dublin 4

July 9, 2013

To: Prospective Quoters

Subject: Request for Quotations number SOI300-13-Q-0435

The American Embassy Dublin is currently seeking quotations from suitably qualified contractors for specialist sewer pipe relining services at a U.S. Embassy Residence, Phoenix Park, Dublin 8.

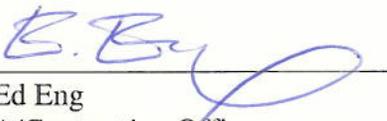
Please see full details of the request below which describes the requirements and reply to Ms Mary Hyland HylandMT@state.gov, ph. 01-630 6235 to indicate if you are interested in participating in the solicitation process.

The U.S. Government intends to award a contract/purchase order to the responsible company submitting an acceptable proposal/quotation at the lowest price. We intend to award a contract/purchase order based on initial quotations, without holding discussions, although we may hold discussions with companies in the competitive range if there is a need to do so.

A site visit will be held on Tuesday 16th July 2013 @ 11:00. Those interested in attending must provide name, date and place of birth at least 24hrs in advance of the meeting to Ms Hyland. No more than 2 representatives per contractor will be admitted.

Quotations are due on or before Monday 22nd July 2013 at 15:00.

Quotations may be delivered in hard copy at the above address or via email for the attention of Ms Mary Hyland.


Ed Eng
A/Contracting Officer

Solicitation: SOI300-13-Q-0435

RELINE SEWER LINES

SCOPE OF WORK

Specific requirements as follows:

OVERVIEW

The United States Embassy Dublin (EMBASSY) has a requirement to reline portions of the sewer lines serving the U.S. Ambassador's Residence located in Phoenix Park, Dublin 8. To this end, the Embassy requires quotations for a contractor to complete the proposed work.

INTENT

Requirements in this Statement of Work (SOW) serve as direction to the Contractor for relining selected portions of the sewer lines at the U.S. Ambassador's Residence. The Contractor shall perform all services in accordance with Water Resource Commission (WRC) guidelines for repair of drainage lines and the requirements outlined below.

PROJECT DESCRIPTION

The EMBASSY intends to rehabilitate and make repairs to the underground sewer lines and devices to improve and extend the useful service life of the wastewater infrastructure at the Residence. In recent years, the sewer line has experienced situations that have required emergency repairs to eliminate blockages in order to allow the free flow of wastewater from the premises. This project intends to install a pipe liner inside the existing sewer line to provide for a smooth and seamless means for sewage to flow.

1.01 DEFINITIONS

- A. Deformed Polyethylene Liner: Polyethylene pipe manufactured in deformed shape that reduces cross-sectional area for insertion and rehabilitation of nonpressure pipelines, conduits, and ducts.
- B. Folded Poly Vinyl Chloride (PVC) Pipe: Pipe that has been manufactured in folded shape for use in existing sewer and conduit rehabilitation.
- C. Cured-in-Place Pipe (CIPP): Hollow cylinder containing non-woven or woven material, or combination of non-woven and woven material surrounded by cured thermosetting resin. Plastic coatings may be included. This pipe is formed within existing pipe, and takes the shape of and fits tightly to existing pipe.
- D. Inversion: Process of turning resin-impregnated tube inside out by use of water pressure or air pressure for CIPP.

1.02 REQUIREMENTS

- A. Proposed rehabilitation liner system shall minimize decrease of flow-carrying capacity of existing sewer, but in no case shall system reduce capacity more than 16 percent.

B. Proposed liner material shall be inert to attack by domestic sewage and suitable for use in underground sewer environment.

C. Liner material shall be manufactured in such manner as to result in tight-fitting liner after installation. There shall be no measurable continuous annular space between outside diameter of new liner and existing host pipe.

1.03 QUALITY ASSURANCE

A. Comply with these specifications and specific product manufacturer's recommendations. Any conflict between product manufacturer's recommendations and any portion of these Contract documents shall be resolved with the Contracting Officer's Representative (COR) prior to proceeding with Work.

B. Manufacturer Qualifications: Products used in Work shall be produced by manufacturers regularly engaged in manufacture of similar items and with history of successful production acceptable to the COR.

C. Installer Qualifications: Licensed by lining system manufacturer, and have the following qualifications:

1. Thoroughly trained and experienced in necessary crafts.
2. Completely familiar with specified requirements and methods needed for proper performance of Work.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Exercise adequate care during transportation, handling, and installation to ensure liner material is not torn, cut, exposed to direct sunlight, or otherwise damaged.

B. If any part or parts of liner material becomes torn, cut, or otherwise damaged before or during insertion, repair or replace at Contractor's expense before proceeding further.

2.01 ACCEPTABLE PRODUCTS

- A. Deformed polyethylene liners
- B. Folded Poly Vinyl Chloride (PVC) liners
- C. Cured-in-place resin-impregnated tube liners

2.02 MATERIALS

A. Liner Material: Provide light-colored or white liner to facilitate closed-circuit TV inspection.

1. Deformed Polyethylene (PE) Liner: Comply with ASTM F1533, and minimum material requirements of ASTM D3350, Cell Class 345434-D.
2. Folded PVC Pipe Liner: Comply with ASTM F1504, and minimum material requirements of ASTM D1784, Cell Class 13223-B or 12344-B.
3. Cured-In-Place Liner: Comply with ASTM D5813 and F1216.

- a. Resin-impregnated tube liner material shall consist of one or more layers of flexible needled felt, or equivalent woven or non-woven material.
- b. Capable of carrying resin, and withstanding installation pressures and curing temperatures.
- c. Able to stretch to fit irregular pipe sections and negotiate bends.
- d. Resins shall be styrene-based, thermoset resin and catalyst system, or epoxy resin and hardener system that is compatible with installation process.
- e. Outside layer of tube should be plastic-coated with material compatible with resin system used.

B. Pre-Liner Material: If used, pre-liner shall be manufactured from material capable of withstanding temperatures and pressures encountered during installation.

3.01 SITE EXAMINATION

- A. Take field measurements of pipe inside diameter of sewer lines to be rehabilitated.
- B. Provide correct liner diameter and wall thickness to ensure tight fit with existing pipe to be restored.
- C. Confirm lengths of liner to be installed.
- D. Coordinate with COR to isolate or bypass live services prior to rehabilitation activities.

3.02 PREPARATION

- A. Successfully complete the following items before installation of Work.
 - 1. Control sewer flow.
 - 2. Clean sewer.
 - 3. Perform television inspection of sewer.
- B. Take precautions to protect new liner, and existing pipe and manholes from damage that might result during insertion process.

3.03 SEQUENCE OF WORK

- A. Control sewer flow; isolate or bypass
- B. Clean sewer and perform pre-insertion television inspection. Complete cleaning and television inspection a minimum of 24 hours, and maximum of 60 hours prior to rehabilitation lining for CIPP.
- C. Make any necessary pipe repairs resulting from the television inspection.
- D. Install liner.
- E. Leak-test liner.

F. Reconnect service connections.

G. Perform post-insertion television inspection. If the liner, in the sole opinion of the COR has not been properly installed, it shall be reinstalled and CCTV inspected by the contractor at no additional cost.

3.04 LINER INSTALLATION – GENERAL

A. Perform operations in strict accordance with industry and manufacturers' safety requirements. Particular attention is drawn to safety requirements involving entering confined spaces, work on elevated platforms, and working with pressurized equipment.

B. To ensure proper heat distribution of rehabilitation systems using heat exchange methods, and to prevent creation of flat bottoms in liner profile, take steps to isolate new liner system from inflow, infiltration, or standing water.

1. Isolate new liner system by temporarily stopping inflow and infiltration, and removing standing water, or by using reinforced, flexible pre-liner to isolate new liner.

C. Install liner through existing or new manholes. Excavation for liner insertion shall not be permitted.

D. For cured-in-place pipe (CIPP) processes, designate location and notify COR where resin impregnation will take place. Use vacuum impregnation process with roller system designed to uniformly distribute resin throughout tube.

E. Equipment used to supply heat and pressure shall be capable of providing necessary heat and pressure required for installation condition. Heat sources shall be fitted with suitable monitors to gage temperatures and pressures.

F. Cut and trim new liner at each end to conform to inside manhole wall. If liner fails to make tight seal at manhole wall, apply sealant to annular space. Sealant material shall be approved by COR.

3.05 FIELD QUALITY CONTROL

A. Inspection: After completion of liner insertions and finish work at manhole, sewer shall be televised and recorded in color DVD format. Provide original disk and one copy to the COR.

1. Finished liner shall be continuous over entire length of liner insertion run between manholes, and free from visual defects such as foreign inclusions, dry spots, pinholes, and delamination.

2. Wrinkles in finished liner pipe which cause backwater of one inch (25 mm) or more, or reduce hydraulic capacity of pipe (wrinkles which exceed 5 percent of pipe diameter) are unacceptable.

- a. Remove and repair at no additional cost to the EMBASSY.
- b. Wrinkles in finished liner pipe that reduce structural stability of pipe are unacceptable.

B. Leak Testing: After completion of liner installation but prior to reinstatement of service lines, pressure-test rehabilitated sewer line for leakage using a low pressure air method or other method submitted by the Contractor and approved by the COR

3.06 CLEANING

- A. Keep premises free from accumulations of waste materials, rubbish and other debris resulting from work.
- B. Remove waste materials, rubbish, and debris from and about premises.
- C. Remove tools, construction equipment and machinery, and surplus materials.
- D. Restore to original condition portions of site disturbed by Work on this contract.

4.01 GENERAL CONDITIONS

- A. Cleanup of site must be completed at the end of each day.
- B. Work hours will be scheduled with the COR and are typically within the hours of 7:30 a.m. and 4:00 p.m., Monday through Friday. No work will be permitted on weekends (unless agreed upon and approved in advance by the COR), U.S. federal or local holidays.
- C. The staging area will be negotiated during preconstruction meeting.
- D. Confine all operations to work limits of the project.

5.01 PROPOSAL

- A. Contractor shall examine these documents and the site and provide a price proposal for the following:

Line item 0001

Reline the section of pipe (approximately 100mm in diameter) from insertion point to MH2 – a distance of approximately 5.6m.

Line item 0002

Reline the section of pipe (approximately 100mm in diameter) from AJ to MH2 – a distance of approximately 11.6m.

Line item 0003

Reline the section of pipe (approximately 100mm in diameter) from MH2 to MH3 – a distance of approximately 25.7m.

Line item 0004

Reline the section of pipe (approximately 100mm in diameter) from MH3 to MH4 – a distance of approximately 14.5m.

Line item 0005

CCTV upon completion of work

ATTACHMENT – Sketch of Site

Pricing should be submitted per instruction in the solicitation document which will be passed out to all interested parties.

Further information can be obtained from Ms Mary Hyland ph. 01-630 6235 or via email:HylandMT@state.gov,