

**Section 6**

**Bid Item Description**

**SECTION 6**  
**BID ITEM DESCRIPTIONS**

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BID ITEM DESCRIPTION TEST

Item No. 1 – MOBILIZATION

DESCRIPTION:

This Item shall include the preliminary costs associated with the start-up procedures of the project in general.

WORK INCLUDED UNDER THIS ITEM:

Section 02950 – General Tunnel Requirements  
Section 02953 – Riser Shaft  
Section 02963 – Rock Tunneling

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, materials, equipment and supplies associated with the start-up procedures of the project in general. The maximum amount permitted to be included in this Item is \$1,000,000 Dollars or 4% of the total Contract price, whichever is less. No separate payment will be made for costs associated with demobilization upon completion of Contract work. For the purpose of Progress Payments, the Lump Sum price bid shall be considered to have the following breakdown:

- a. Riser Shaft (Work Shaft) excavation started: 25 percent
- b. Tunnel Boring Machine (TBM) delivered to site and temporary field office is operational : 25 percent
- c. TBM assembled in the tunnel: 25 percent
- d. TBM tunnel operations started and heading advanced 100 feet: 25 percent

BID ITEM DESCRIPTION

Item No. 2 – SITE WORK

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to perform site work in its entirety as shown on the Drawings and as specified, including, but not limited to: clearing and grubbing, stripping and stock piling of topsoil, offsite disposal of excess material, erosion and sediment control, general earthwork including access road box-out, road and staging area select fill subbase, crushed stone pavement, dewatering, potable water service, control of site water and distribution, site storm sewers including outlet control structure, piping, end sections, couplings, pipe anchoring, maintenance of storm system, fencing complete with gates and appurtenances, topsoil replacement, fine grading, seeding and mulching.

WORK INCLUDED UNDER THIS ITEM:

Section 02110 – Site Preparation  
Section 02222– Excavation and Backfill  
Section 02401 – Dewatering  
Section 02750 – Site Storm Sewer

Section 02810 – Chain Link Fence and Gates  
Section 02910 – Restoration  
Section 15061 – Ductile Iron Pipe  
Section 15073 – High Density Polyethylene (HDPE)  
Pipe and Fittings

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment and materials necessary to perform the site work complete as shown on the drawings and as specified. The Contractor shall submit a cost breakdown of this Bid Item for purposes of Progress Payments within thirty (30) days of the Notice to Proceed for the Owner's approval. The breakdown categories shall include the following items at a minimum:

- a. Clearing and Grubbing
- b. Erosion & Sediment Control, including all related maintenance
- c. Topsoil/Stripping and Stockpiling
- d. Excavation
- e. Control of Surface Water System
- f. Drainage System including culverts and structures
- g. Dewatering
- h. Temporary Access Road and Pavement
- i. Restoration of Surfaces
- j. Fencing, Gates and Barrier Gate

RELATED WORK NOT INCLUDED UNDER THIS ITEM:

Item No. 18 – HDPE Pipe

BID ITEM DESCRIPTION

Item No. 3 – RISER SHAFT

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to construct the Riser Shaft complete as shown on the Drawings and as specified, including, but not limited to: pregrouting; installation, monitoring and removal of observation wells and pumping well associated with pregrouting operations; shaft excavation and shaft initial supports installation; cutoff grouting, if required; reinforced cast-in-place concrete collar beams; mud slab; fiber reinforced shotcrete lining; reinforced cast-in-place concrete lining; reinforced cast-in-place concrete walls and slabs; ladders with railings and platforms or gratings; removable precast reinforced concrete slabs; manhole frames and lids; gratings for gutter and sump; angles and anchors; embedded parts of sluice gates and traveling screens; and lifting bolts.

WORK INCLUDED UNDER THIS ITEM:

Section 02950 – General Tunnel Requirements  
Section 02953 – Riser Shaft  
Section 02967 – Ground Support and Protection  
Section 02990 – Tunnel and Shaft Grouting  
Section 02993 – Shotcrete  
Section 03152 – Anchorage in Concrete  
Section 03200 – Concrete Reinforcement  
Section 03300 – Cast-in-Place Concrete  
Section 05120 – Structural Steel

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment and materials necessary to construct the Riser Shaft complete as shown on the Drawings and as specified. For the purpose of Progress Payments, the Lump Sum price bid shall be considered to have the following breakdown:

- a. Work area prepared and pre-grouting performed: 20 percent
- b. Shaft excavation completed and supports installed: 50 percent
- c. Final lining installed and shaft completed: 30 percent

BID ITEM DESCRIPTION

Item No. 4 – INTAKE SHAFT

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to construct the Intake Shaft complete as shown on the Drawings and as specified, including, but not limited to: dredging and dredged material disposal; temporary casing; shaft excavation/drilling; manufacturing, transporting and installing casing pipe and casing pipe appurtenances including valves, fittings, etc; cement grout around casing pipe; precast reinforced concrete intake structure foundation; Dywidag rock anchors; concrete reinforcement; tremie concrete; riprap; drilling of horizontal probe for intake adit; intake adit excavation, including removal of a portion of the steel casing pipe; intake adit initial supports installation; intake adit fiber reinforced shotcrete lining; and flooding completed system with lake water.

WORK INCLUDED UNDER THIS ITEM:

Section 02950 – General Tunnel Requirements  
Section 02954 – Intake Shaft  
Section 02967 – Ground Support and Protection  
Section 02990 – Tunnel and Shaft Grouting  
Section 02993 – Shotcrete

Section 03152 – Anchorage in Concrete  
Section 03200 – Concrete Reinforcement  
Section 03300 – Cast-in-Place Concrete  
  
Section 05120 – Structural Steel

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment and materials necessary to construct the Intake Shaft complete as shown on the Drawings and as specified. For the purpose of Progress Payments, the Lump Sum price bid shall be considered to have the following breakdown:

- a. Lake bottom dredged, temporary casing installed, shaft drilled, and temporary casing removed: 20 percent
- b. Casing pipe assembled and placed in Intake Shaft position and cement grout placed around pipe annulus: 40 percent
- c. Precast concrete intake structure foundation placed at Intake Shaft location, reinforcement and tie downs installed, and tremie concrete placed: 20 percent
- d. Horizontal probe drilled, adit connection constructed and adit and Intake Shaft completed: 20 percent

WORK INCLUDED UNDER THIS ITEM:

Item No. 18 – HDPE Pipe  
Item No. 21 – Intake Crib  
Item No. 24 – Chemical Feed Structure

BID ITEM DESCRIPTION

Item No. 5 – OUTFALL SHAFT

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to construct the Outfall Shaft complete as shown on the Drawings and as specified, including, but not limited to: dredging and dredged material disposal; temporary casing; shaft excavation/drilling; manufacturing and installing casing pipe and casing pipe appurtenances including valves, fittings, etc.; cement grout around casing pipe; 24-inch diameter steel outfall pipe and fittings in the riser shaft; outfall diffuser; stone protection around shaft casing; drilling of horizontal probe for outfall shaft adit; outfall shaft adit excavation, including removal of a portion of the steel casing pipe; outfall shaft adit initial supports installation; and outfall shaft adit fiber reinforced shotcrete lining.

WORK INCLUDED UNDER THIS ITEM:

Section 02950 – General Tunnel Requirements  
Section 02955 – Outfall Shaft  
Section 02967 – Ground Support and Protection  
Section 02990 – Tunnel and Shaft Grouting  
Section 02993 – Shotcrete  
Section 03152 – Anchorage in Concrete  
Section 03200 – Concrete Reinforcement  
Section 03300 – Cast-in-Place Concrete  
Section 05120 – Structural Steel

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment and materials necessary to construct the Outfall Shaft complete as shown on the Drawings and as specified. For the purpose of Progress Payments, the Lump Sum price bid shall be considered to have the following breakdown:

- a. Temporary casing installed, shaft drilled, and temporary casing above lake bottom removed: 20 percent
- b. Casing pipe assembled and placed in Outfall Shaft position, cement grout placed around the pipe annulus, and stone protection placed around shaft casing: 50 percent
- c. Horizontal probe drilled, adit connection constructed, outfall pipe installed, and adit and shaft completed: 25 percent
- d. Outfall diffuser installed: 5 percent

BID ITEM DESCRIPTION

Item No. 6 – MAIN PUMP ADIT

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to construct the Main Pump Adit complete as shown on the Drawings and as specified, including, but not limited to: horizontal main adit excavation and initial supports installation; pump well adits (6) excavation and initial supports installation; fiber reinforced shotcrete lining in main adit and pump adits; fiber reinforced shotcrete final lining; and consolidation grouting.

WORK INCLUDED UNDER THIS ITEM:

- Section 02950 – General Tunnel Requirements
- Section 02956 - Adits
- Section 02967 – Ground Support and Protection
- Section 02990 – Tunnel and Shaft Grouting
- Section 02993 – Shotcrete
- Section 03152 – Anchorage in Concrete
- Section 03200 – Concrete Reinforcement
- Section 03300 – Cast-in-Place Concrete

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment and materials necessary to construct the Main Pump Adit complete as shown on the Drawings and as specified. For the purpose of Progress Payments, the Lump Sum price bid shall be considered to have the following breakdown:

- a. Adit excavated and initial supports installed: 60 percent
- b. Final lining installed and consolidation grouting completed: 35 percent
- c. Adit final clean up: 5 percent

BID ITEM DESCRIPTION

Item No. 7 – PUMP WELL SHAFTS

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to construct the Pump Well Shafts (6) complete as shown on the Drawings and as specified, including, but not limited to: shafts excavation; pump well casing pipe; placing cement grout in annular space outside of pump well casing pipe; 3/4" thick steel cover plate; shaft appurtenances and all cutoff and consolidation grouting.

WORK INCLUDED UNDER THIS ITEM:

- Section 02950 – General Tunnel Requirements
- Section 02953 – Riser Shaft
- Section 02967 – Ground Support and Protection
- Section 02990 – Tunnel and Shaft Grouting
- Section 02993 – Shotcrete
- Section 03152 – Anchorage in Concrete
- Section 03200 – Concrete Reinforcement
- Section 03300 – Cast-in-Place Concrete
- Section 05120 – Structural Steel

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment and materials necessary to construct the Pump Well Shafts complete as shown on the Drawings and as specified. For the purpose of Progress Payments, the Lump Sum price bid shall be considered to have the following breakdown:

- a. Pump Well Shafts (6) excavated and supported: 60 percent
- b. Final linings installed: 35 percent
- c. Pump Well Shafts final clean up: 5 percent

BID ITEM DESCRIPTION

Item No. 8 - TUNNEL TYPE A

DESCRIPTION:

This Item shall include all work necessary to excavate, support and line the rock tunnel as shown on the Drawings and specified, including excavation, removal and disposal of excavated materials, probe hole drilling, installation/erection of initial supports, implementation of groundwater control measures, installation of fiber reinforced shotcrete final lining, and consolidation grouting.

WORK INCLUDED UNDER THIS ITEM:

- Section 02950 - General Tunnel Requirements
- Section 02963 - Rock Tunneling
- Section 02967 - Ground Support and Protection
- Section 02990 - Tunnel and Shaft Grouting
- Section 02993 - Shotcrete

METHOD OF PAYMENT:

Unit price per Linear Foot

MEASUREMENT AND PAYMENT:

Tunnel Type A will be measured by the linear foot measured along the horizontal projection of the tunnel centerline as indicated on the Drawings. Measurement will not be made for additional length of tunnel resulting from: deviations from the alignment shown on the Drawings; additional length of tunnel approved by the Engineer at the request of and for the convenience of the Contractor. For the purpose of Progress Payments, the bid price shall be considered to have the following breakdown:

- a. Excavation and installation of initial supports for Tunnel Type A: 75 percent
- b. Installation of final lining for Tunnel Type A: 20 percent
- c. Visual inspection, corrections and final clean up: 5 percent

BID ITEM DESCRIPTION

Item No. 9 – TUNNEL TYPE B

DESCRIPTION:

This Item shall include all work necessary to excavate, support and line the rock tunnel as shown on the Drawings and specified, including excavation, removal and disposal of excavated materials, probe hole drilling, installation/erection of initial supports, implementation of groundwater control measures, installation of fiber reinforced shotcrete final lining; and consolidation grouting.

WORK INCLUDED UNDER THIS ITEM:

Section 02950 – General Tunnel Requirements  
Section 02963 – Rock Tunneling  
Section 02967 – Ground Support and Protection  
Section 02990 – Tunnel and Shaft Grouting  
Section 02993 – Shotcrete

METHOD OF PAYMENT:

Unit price per Linear Foot

MEASUREMENT AND PAYMENT:

Tunnel Type B will be measured by the linear foot measured along the horizontal projection of the tunnel centerline as indicated on the Drawings. Measurement will not be made for additional length of tunnel resulting from: deviations from the alignment shown on the Drawings; additional length of tunnel approved by the Engineer at the request of and for the convenience of the Contractor. For the purpose of Progress Payments, the bid price shall be considered to have the following breakdown:

- a. Excavation and installation of initial supports for Tunnel Type B: 75 percent
- b. Installation of final lining for Tunnel Type B: 20 percent
- c. Visual inspection, corrections and final clean up: 5 percent

BID ITEM DESCRIPTION

Item No. 10 – TUNNEL TYPE C

DESCRIPTION:

This Item shall include all work necessary to excavate, support and line the rock tunnel as shown on the Drawings and specified, including excavation, removal and disposal of excavated materials, probe hole drilling, installation/erection of initial supports, implementation of groundwater control measures, installation of fiber reinforced shotcrete final lining; and consolidation grouting.

WORK INCLUDED UNDER THIS ITEM:

Section 02950 – General Tunnel Requirements  
Section 02963 – Rock Tunneling  
Section 02967 – Ground Support and Protection  
Section 02990 – Tunnel and Shaft Grouting  
Section 02993 – Shotcrete  
Section 05120 – Structural Steel

METHOD OF PAYMENT:

Unit price per Linear Foot

MEASUREMENT AND PAYMENT:

Tunnel Type C will be measured by the linear foot measured along the horizontal projection of the tunnel centerline as indicated on the Drawings. Measurement will not be made for additional length of tunnel resulting from: deviations from the alignment shown on the Drawings; additional length of tunnel approved by the Engineer at the request of and for the convenience of the Contractor. For the purpose of Progress Payments, the bid price shall be considered to have the following breakdown:

- a. Excavation and installation of initial supports for Tunnel Type C: 75 percent
- b. Installation of final lining for Tunnel Type C: 20 percent
- c. Visual inspection, corrections and final clean up: 5 percent

BID ITEM DESCRIPTION

Item No. 11 – TUNNEL TYPE D

DESCRIPTION:

This Item shall include all work necessary to excavate, support and line the rock tunnel as shown on the Drawings and specified, including excavation, removal and disposal of excavated materials, probe hole drilling, installation/erection of initial supports, implementation of groundwater control measures, installation of fiber reinforced shotcrete final lining, and consolidation grouting, except that the cost for the steel rib sets used as provided under Item No. 14 shall be subtracted from the cost for Tunnel Type D.

WORK INCLUDED UNDER THIS ITEM:

- Section 02950 – General Tunnel Requirements
- Section 02963 – Rock Tunneling
- Section 02967 – Ground Support and Protection
- Section 02990 – Tunnel and Shaft Grouting
- Section 02993 – Shotcrete
- Section 05120 – Structural Steel

METHOD OF PAYMENT:

Unit price per Linear Foot

MEASUREMENT AND PAYMENT:

The Bidder shall provide a unit price for Tunnel Type D, but no estimated quantity is anticipated. If Tunnel Type D is required, it will be measured by the linear foot along the horizontal projection of the tunnel centerline as indicated on the Drawings. Measurement will not be made for additional length of tunnel resulting from: deviations from the alignment shown on the Drawings; additional length of tunnel approved by the Engineer at the request of and for the convenience of the Contractor. For the purposes of Progress Payments, the bid price shall be considered to have the following breakdown:

- a. Excavation and installation of initial supports for Tunnel Type D: 75 percent
- b. Installation of final lining for Tunnel Type D: 20 percent
- c. Visual inspection, corrections and final clean up: 5 percent

RELATED WORK NOT INCLUDED UNDER THIS ITEM:

Item No. 14 – W4x13 Steel Ribs: Furnish steel ribs under Bid Item No. 14 and install under Bid Item 11.

BID ITEM DESCRIPTION

Item No. 12 – TUNNEL TYPE E

DESCRIPTION:

This Item shall include all work necessary to excavate, support and line the rock tunnel as shown on the Drawings and specified, including excavation, removal and disposal of excavated materials, probe hole drilling, installation/erection of initial supports, implementation of groundwater control measures, installation of fiber reinforced shotcrete final lining, and consolidation grouting.

WORK INCLUDED UNDER THIS ITEM:

Section 02950 – General Tunnel Requirements  
Section 02963 – Rock Tunneling  
Section 02967 – Ground Support and Protection  
Section 02990 – Tunnel and Shaft Grouting  
Section 02993 – Shotcrete

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment and materials necessary to construct the Tunnel Type E complete as shown on the Drawings and as specified. If additional length of Tunnel Type E is required to accommodate the Contractor's equipment and/or means and methods, the cost for the additional length of tunnel shall be included in the Lump Sum price for Tunnel Type E, and no payment shall be made for other Tunnel Types who's pay limits the additional length of Tunnel Type E encroaches on. If the Contractor's required length of Tunnel Type E is less than that shown on the Drawings, the length of tunnel to the limits shown on the Drawings for Tunnel Type E shall be included in the Lump Sum price for Tunnel Type E and no payment shall be made for other Tunnel Types. If the Contractor requires a tail tunnel for his equipment and/or his means and methods, the cost for the tail tunnel shall be included in the Lump Sum cost for Tunnel Type E. For the purpose of Progress Payments, the Lump Sum price bid shall be considered to have the following breakdown:

- a. Excavation and installation of initial supports for Tunnel Type E: 75 percent
- b. Installation of final lining for Tunnel Type E: 20 percent
- c. Visual inspection, corrections and final clean up: 5 percent

BID ITEM DESCRIPTION

Item No. 13 – ADDITIONAL ROCK BOLTS

DESCRIPTION:

This Item shall include Additional Rock Bolts installed in the tunnel and/or shaft as specified, and shall include all materials, labor, equipment, and supplies necessary to install the Additional Rock Bolts complete. Additional Rock Bolts may not be required or installed.

WORK INCLUDED UNDER THIS ITEM:

- Section 02950 – General Tunnel Requirements
- Section 02953 – Riser Shaft
- Section 02956 – Adits
- Section 02963 – Rock Tunneling
- Section 02967 – Ground Support and Protection

METHOD OF PAYMENT:

Unit price per Linear Foot

MEASUREMENT AND PAYMENT:

No measurement for payment will be made for any pattern rock reinforcement shown on the Drawings. All costs for such work shall be included in the appropriate bid items for tunnel and shaft construction. Rock bolts installed for additional structural stability as directed by the Engineer or requested by the Contractor with satisfactory justification including backup data such as support designs, and structural analysis, and when this request is approved in writing by the Engineer, will be measured for payment under this Item. Payment for rock bolts shall be by the linear foot of each bolt installed complete, and shall be full compensation for all work associated with the Additional Rock Bolt installation including all labor, materials and equipment.

BID ITEM DESCRIPTION

Item No. 14 – W4X13 STEEL RIBS

DESCRIPTION:

This Item shall include the W4x13 Steel Rib Sets required to be available on-site, as shown on the Drawings and as specified. The Rib Sets shall be complete, including, but not limited to, the structural steel members, connections, and bolts.

WORK INCLUDED UNDER THIS ITEM:

Section 02950 – General Tunnel Requirements  
Section 02953 – Riser Shaft  
Section 02956 – Adits  
Section 02963 – Rock Tunneling  
Section 02967 – Ground Support and Protection  
Section 05120 – Structural Steel

METHOD OF PAYMENT:

Unit price per Each

MEASUREMENT AND PAYMENT:

Payment for steel rib sets on-site as required by the Contract Documents shall be for each rib set complete, including all appurtenant materials. Installation of the rib sets shall not be paid for under this Item, but shall be paid under Item 11, Tunnel Type D.

RELATED WORK NOT INCLUDED UNDER THIS ITEM:

Item No. 11 – Tunnel Type D

BID ITEM DESCRIPTION

Item No. 15 – DRILLING HOLES FOR GROUTING

DESCRIPTION:

This Item shall include all materials, labor, equipment and supplies necessary to drill holes for placing cement grout. If grouting is not required, no measurement or payment will be made under this Item.

WORK INCLUDED UNDER THIS ITEM:

- Section 02950 – General Tunnel Requirements
- Section 02953 – Riser Shaft
- Section 02956 – Adits
- Section 02963 – Rock Tunneling
- Section 02967 – Ground Support and Protection
- Section 02990 – Tunnel and Shaft Grouting

METHOD OF PAYMENT:

Unit price per Linear Foot

MEASUREMENT AND PAYMENT:

Drill holes will be measured by the linear feet of hole drilled and utilized for grouting. Depth measurement shall be from the face of rock to the bottom of the drill hole. Drill holes lost or damaged due to the Contractor's negligence shall not be paid for. Mixing and placing cement grout and associated operations, labor, equipment, materials and supplies shall be paid under Item 16, Mixing and Placing Grout.

RELATED WORK NOT INCLUDED UNDER THIS ITEM:

Item No. 16 – Mixing and Placing Grout

BID ITEM DESCRIPTION

Item No. 16 – MIXING AND PLACING GROUT

DESCRIPTION:

This Item shall include all materials, labor, equipment and supplies necessary to place cement grout in holes drilled for that purpose and paid for under Item 15, as specified. If grouting is not required, no measurement or payment will be made under this Item. Cement grout placed in the annular space between the pump well casing pipe, or the annular space between the casing pipe and intake or outfall shafts, shall not be included under this Item.

WORK INCLUDED UNDER THIS ITEM:

Section 02950 – General Tunnel Requirements  
Section 02953 – Riser Shaft  
Section 02956 – Adits  
Section 02963 – Rock Tunneling  
Section 02967 – Ground Support and Protection  
Section 02990 – Tunnel and Shaft Grouting

METHOD OF PAYMENT:

Unit price per Cubic Yard

MEASUREMENT AND PAYMENT:

Mixing and placing grout shall be measured per cubic yard in its liquid state before placement, based on the specific gravities of the ingredients. This Item shall include the cost for all sand, cement, steel grout pipe, fluidifier, and all other materials, labor and equipment necessary to install cement grout as shown on the Drawings and as specified. Drilling holes for grouting shall be paid for under Item 15, Drilling Holes for Grouting. Cement grout placed in the annular space between the casing pipes and the shafts excavations shall not be paid for under this Item.

RELATED WORK NOT INCLUDED UNDER THIS ITEM:

Item No. 15 – Drilling Holes for Grouting

BID ITEM DESCRIPTION

Item No. 17 – CHEMICAL GROUTING

DESCRIPTION:

This Item shall include all materials, equipment, labor and supplies necessary to install approved chemical grout at locations as directed or approved by the Engineer, including, but not limited to, drilling of grout holes for chemical grouting, mobilization and movement of chemical grouting plant, mixing and placing of chemical grout, and removal of the chemical grout plant upon completion of required chemical grouting operations. Chemical Grouting shall not be utilized except by the written permission of the Engineer, as specified. If chemical grouting is not required, as determined by the Engineer, no measurement or payment will be made under this Item.

WORK INCLUDED UNDER THIS ITEM:

- Section 02950 – General Tunnel Requirements
- Section 02953 – Riser Shaft
- Section 02956 – Adits
- Section 02963 – Rock Tunneling
- Section 02967 – Ground Support and Protection
- Section 02990 – Tunnel and Shaft Grouting

METHOD OF PAYMENT:

Unit price per Gallon

MEASUREMENT AND PAYMENT:

The quantity for payment for Chemical Grouting shall be the total number of gallons of Chemical Grout placed, as approved by the Engineer. This Item shall include the cost for all materials, labor, equipment and supplies necessary to place the Chemical Grout.

BID ITEM DESCRIPTION

Item No. 18 – HDPE PIPE

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to furnish and install 1 1/2" High Density Polyethylene pipe, DR 11 IPS, sample and chemical piping from the Chemical Feed Structure to the Screens Building including fittings, laying, jointing, hangers and supports and testing per Contract Drawings and Material and Performance Specifications.

WORK INCLUDED UNDER THIS ITEM:

Section 03152 – Anchorage in Concrete  
Section 15052 – Exposed Pipe Installation  
Section 15055 – Pipe Hangers & Supports  
Section 15073 – High Density Polyethylene (HDPE) Pipe and Fittings

METHOD OF PAYMENT:

Unit price per Linear Foot

MEASUREMENT AND PAYMENT:

The quantity for which payment will be made shall be the total linear footage of 1 1/2" diameter pipe as measured by the Engineer along the centerline of the pipe.

HDPE pipe for outfall from S.M.F. shall be paid under Item 2 – Site Work.

RELATED WORK NOT INCLUDED UNDER THIS ITEM:

Item No. 21 – Intake Crib  
Item No. 24 – Chemical Feed Structure  
Item No. 25 – Sample Pump, Stilling Wells

BID ITEM DESCRIPTION

Item No. 19 – DUCTILE IRON OUTFALL PIPE

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to furnish and install 24" Ductile Iron piping including fittings, restraints, couplings, transition joints, anchors, gaskets, bolts, strapping, laying, jointing, reinforced concrete saddle supports, clamps and hangers, and testing per Contract Drawings and Material and Performance Specifications.

WORK INCLUDED UNDER THIS ITEM:

- Section 03152 – Anchorage in Concrete
- Section 15052 – Exposed Pipe Installation
- Section 15055 – Pipe Hangers & Supports
- Section 15061 – Ductile Iron Pipe

METHOD OF PAYMENT:

Unit Price per Linear Foot

MEASUREMENT AND PAYMENT:

The quantity for which payment will be made shall be the total linear footage of 24" diameter ductile iron pipe in the riser shaft and tunnel as measured by the ENGINEER along the centerline of the pipe.

RELATED WORK NOT INCLUDED UNDER THIS ITEM:

- Item No. 5 – Outfall Shafts

BID ITEM DESCRIPTION

Item No. 20- SLUICE GATES

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to furnish and install the sluice gates complete as shown on the Contract Drawings and as specified, including, but not limited to: frames, sluice gates, seals, hardware, stems and couplings, stem guides and gate operators per Contract Drawings and Material and Performance Specifications.

WORK INCLUDED UNDER THIS ITEM:

Section 03152 – Anchorage in Concrete  
Section 11285 – Sluice Gates

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The unit price payment shall be full compensation for providing all labor, equipment and materials necessary to install the sluice gates complete as shown on the Drawings and as specified.

BID ITEM DESCRIPTION

Item No. 21- INTAKE CRIB

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to construct and install the Intake Crib complete as shown on the Drawings and as specified, including, but not limited to: fabrication and assembly of structural steel frame and plates, fabrication and assembly of HDPE grating system, fabrication and assembly of reinforced precast concrete panels to structural steel frame, anchoring Intake Crib to precast foundation, coatings, fasteners, bolts, bracing, and anchoring, neoprene gasket, shims, and providing and installation of stone riprap.

WORK INCLUDED UNDER THIS ITEM:

- Section 03152 – Anchorage in Concrete
- Section 03200 – Concrete Reinforcement
- Section 03300 – Cast-in-Place Concrete
- Section 03411 – Precast Concrete Panels
- Section 05120 – Structural Steel
- Section 11227 – HDPE Intake Crib Grating
- Section 15052 – Exposed Piping Installation
- Section 15073 – High Density Polyethylene (HDPE) Pipe and Fittings

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment and materials necessary construct the Intake Crib complete as shown on the Drawings and as specified. For the purpose of Progress Payments, the Lump Sum price bid shall be considered to have the following breakdown:

- a. Fabrication and assembly of the structural steel framework, fabrication and assembly of HDPE grating, completion of precasting wall panels: 40 Percent
- b. Complete installation of the Intake Crib as indicated on the drawings and specifications (i.e. installation of structural steel frame, assembly of concrete panels to structural steel frame, installation of HDPE grating, and installation of stone riprap): 60 Percent

BID ITEM DESCRIPTION

Item No. 22 – STAINLESS STEEL OUTFALL PIPE

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to furnish and install 24" Stainless Steel piping including fittings, blind flanges, restraints, couplings, wall pipe, anchors, gaskets, bolts, strapping, welding, laying, jointing, reinforced concrete supports and saddles, hangers, and testing per Contract Drawings and Material and Performance Specifications.

WORK INCLUDED UNDER THIS ITEM:

Section 03152 – Anchorage in Concrete  
Section 15052 – Exposed Pipe Installation  
Section 15055 – Pipe Hangers & Supports  
Section 15063 – Stainless Steel Pipe

METHOD OF PAYMENT:

Unit Price per Linear Foot

MEASUREMENT AND PAYMENT:

The quantity for which payment will be made shall be the total linear footage of 24" diameter stainless steel pipe in the riser shaft as measured by the Engineer along the centerline of the pipe.

BID ITEM DESCRIPTION

Item No. 23 – TEMPORARY ELECTRIC SERVICES

DESCRIPTION:

This Item shall include the costs associated with the installation of the temporary electrical service for the tunnel excavation equipment and onsite trailers.

WORK INCLUDED UNDER THIS ITEM:

Refer to contract drawing C/201 for contractor coordination requirements.

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, materials, equipment and supplies associated with the installation of the temporary electrical service.

No separate payment will be made for costs associated with demobilization upon completion of Contract work. For the purpose of Progress Payments, the Lump Sum price bid shall be considered to have the following breakdown:

- a. All excavation and backfilling required for temporary underground electrical service from Utility Service switch to contractor provided switchgear
- b. Conduit and conductors from Utility Service Switch to contractor provided switchgear.
- c. Fuses to be installed in Utility switch for temporary service connection. Coordination of fuse selection with Utility.
- d. Connection to Utility Service switch

BID ITEM DESCRIPTION

Item No. 24- CHEMICAL FEED STRUCTURE

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to construct the Chemical Feed Structure complete as shown on the Contract Drawings and as specified.

WORK INCLUDED UNDER THIS ITEM:

Section 03152 – Anchorage in Concrete  
Section 15073 – High Density Polyethylene (HDPE) Pipe and Fittings

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment and materials necessary to construct the Chemical Feed Structure complete as shown on the Drawings and as specified.

RELATED WORK NOT INCLUDED UNDER THIS ITEM:

Item No. 16 – Intake Shaft  
Item No. 18 – HDPE Pipe  
Item No. 21 – Intake Crib

BID ITEM DESCRIPTION

Item No. 25- SAMPLE PUMP STILLING WELLS

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to install the sample pumps and construct two (2) 4-inch diameter stainless steel Sample Pump Stilling Wells complete as shown on the Contract Drawings and as specified.

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment, materials and supplies necessary to install the sample pumps and construct the Sampling Pump Stilling Wells complete as shown on the Drawings and as specified.

BID ITEM DESCRIPTION

Item No. 26- PUMP SHAFT CRUCIFORM AND GRATING

DESCRIPTION:

This Item shall include all labor, equipment, materials and supplies necessary to construct Pump Shaft Cruciform and Grating complete as shown on the Contract Drawings and as specified, including, but not limited to: fabrication and installation of a cruciform and grating structure for each pump shaft (total 6).

WORK INCLUDED UNDER THIS ITEM:

Section 03152 – Anchorage in Concrete  
Section 05120 – Structural Steel

METHOD OF PAYMENT:

Lump Sum

MEASUREMENT AND PAYMENT:

The Lump Sum payment shall be full compensation for providing all labor, equipment and materials necessary to construct the Pump Shaft Cruciform and Grating complete as shown on the Drawings and as specified.

BID ITEM DESCRIPTION

Item No. 27- DISPUTE REVIEW BOARD ALLOWANCE

DESCRIPTION:

This item shall include an allowance, which will be used as required to cover the fees and expenses related to the operation of the Disputes Review Board, as discussed in SC 10.8 "Disputes Review". This shall include but not necessarily be limited to the fees of the Board members; expenses of the Board, and administrative services, such as conference facilities and secretarial services.

METHOD OF PAYMENT:

Time and Materials

MEASUREMENT AND PAYMENT:

The Time and Materials payment shall be full compensation for providing fees and expenses related to the operation of the Disputes Review Board. Payments shall be made in accordance with General Condition 11.8 "Cash Allowances".

**CONTINGENT UNIT PRICE BID ITEMS**

DESCRIPTION

Under this Item, the Contractor shall furnish all labor, materials, and equipment required to complete the work of the Contingency Items, as ordered by the Engineer.

A time extension to the Substantial Completion Date is included for each Contingency Item. These extensions apply for quantities beyond the estimated quantity. The unit price bid for each Contingent Unit Price Item shall include the cost of performing the additional work within the time extension.

The Contingency Items comprise the work where, in general, the quantities cannot be determined in advance of construction. No promise is given, either by expression or by implication, that the quantities of contingent work stated in the bid are even approximately the quantities that will be ordered in the construction.

BASIS OF PAYMENT

No payment will be made for work performed by the Contractor to replace defective work and the work which is not shown or ordered and which is outside the limits shown or ordered. No payments will be made for the work related to the work of these items which is specifically included under other Bid Items.

CONTINGENT UNIT PRICE BID ITEM DESCRIPTION

Item No. 28– MISCELLANEOUS EXCAVATION

DESCRIPTION:

Under this Item, the Contractor shall furnish all labor, materials, and equipment required to perform Miscellaneous Excavation not located within the tunnel or lake, as ordered by the Engineer.

WORK INCLUDED UNDER THIS ITEM:

Work under this Item shall generally be comprised of the following:

- Excavation required for locating existing underground utilities, including water lines, storm and sanitary sewers, gas mains, electric and telephone, or which is outside the limits shown on the Contract Drawings, as may be ordered by the Engineer:
- Backfilling and compaction of native material;
- Dewatering and control of water, if required;
- Disposal of excess excavated material, if required;
- Restoration of surfaces required in connection with miscellaneous excavation.

METHOD OF PAYMENT:

Unit Price per Cubic Yard

MEASUREMENT AND PAYMENT:

The quantity of Miscellaneous Excavation for which payment will be made will be the actual number of cubic yards excavated, measured in place, as ordered by the Engineer.

No payment will be made under this item for Miscellaneous Excavation not ordered in writing by the Engineer.

RELATED WORK NOT INCLUDED UNDER THIS ITEM:

- Item No. 2 – Site Work
- Item No. 3 – Riser Shaft
- Item No. 7 – Pump Well Shafts
- Item No. 23 – Temp Electric Service

CONTINGENT UNIT PRICE BID ITEM DESCRIPTION

Item No. 29- GRANULAR MATERIALS (Section 02222)

- a. Sand
- b. Crushed Stone
- c. Run-of-Bank Gravel
- d. Select Fill

DESCRIPTION:

Under this Item, the Contractor shall furnish all labor, materials, and equipment required to furnish and install Granular Materials not located within the tunnel or lake, that are outside the limits of work required and shown for Bid Item 2, as ordered by the Engineer.

WORK INCLUDED UNDER THIS ITEM:

Work under this Item shall generally be comprised of the following:

- Furnishing of Granular Materials not shown on the Contract Drawings, as ordered by the Engineer;
- Backfilling and compaction of Granular Materials as specified in Section 02222.

METHOD OF PAYMENT:

Unit Price per Cubic Yard

MEASUREMENT AND PAYMENT:

The quantity of Granular Materials for which payment will be made will be the actual number of cubic yards, measured in place, as ordered by the Engineer.

No payment will be made under this item for Granular Materials included under other Bid Items, or which is not ordered by the Engineer.

RELATED WORK NOT INCLUDED UNDER THIS ITEM:

- Item No. 2 - Site Work
- Item No. 3 - Riser Shaft
- Item No. 7 - Pump Well Shaft
- Item No. 23 - Temp Electrical Service

**Section 7**

**Bid**

SECTION 7 - BID

Monroe County Water Authority  
475 Norris Drive  
Rochester, New York 14610-0999

Attention: Mr. Edward T. Marianetti

Gentlemen:

We are familiar with the general conditions under which the intake tunnel, intake structure, outfall structure, backwash return line, chemical and sampling piping and supports, riser well, and pump adits are constructed for the Monroe County Water Authority. We are also familiar with the area in which this work is to be performed, including soil conditions, utilities, etc. We have, in place, all necessary safety programs applicable to the Work. We have read all sections of the Contract Documents, and the prices submitted in this Bid are the prices under which we will furnish labor, plant, tools, equipment and materials, where applicable, for the performance of the Work to be done.

If our Bid is satisfactory and acceptable to you, we will execute an Agreement with the Monroe County Water Authority to perform the aforementioned work in accordance with this Bid and all sections of the Contract Documents; all of which will be made a part of this Agreement and will execute the Letter of Assent required by the Project Labor Agreement.

If awarded the Agreement for this project, we, the undersigned, agree to complete the Work by the date specified in the section of this contract entitled Agreement. We further agree that, if this Bid is accepted by the Authority and we should refuse, fail or neglect to enter into an Agreement or to file satisfactory performance bonds as required in an amount equal to the full Contract Price within five (5) days after issuance of Notice of Award, then, at the option of the Monroe County Water Authority, we may be considered to have abandoned our bid for the Project and the certified check and/or bidder's bond accompanying the proposal shall be forfeited and the amount shall be paid to the Monroe County Water Authority as liquidated damages; otherwise, the check shall be returned to the bidder after the Agreement is executed and receipt of all required bonds.

Contracting Company: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

Date: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Federal Employer Identification No.: \_\_\_\_\_

ALL BIDDERS MUST SIGN THE FOLLOWING NON-COLLUSIVE BIDDING CERTIFICATION AND SUBMIT IT AT THE BID OPENING AND AS A CONDITION TO THE AWARD OF THE CONTRACT; SUCH CERTIFICATE SHALL BE A PART OF THE CONTRACT WITH THE AUTHORITY UPON THE FORMAL EXECUTION OF THE AGREEMENT.

NON-COLLUSIVE BIDDING CERTIFICATION

Monroe County Water Authority  
475 Norris Drive  
Rochester, New York 14610-0999

Gentlemen:

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:

- (a) The prices in this bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
- (b) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor;
- (c) No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition;
- (d) The person signing this bid certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification and, under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as well as to the person signing in its behalf; and
- (e) That attached hereto (if a corporate bidder) is a certified copy of a resolution authorizing the execution of this certificate by the signatory of this bid in behalf of the corporate bidder.

This statement is subscribed by bidder or by its duly authorized officer or partner in compliance with Section 2604 of the Public Authorities Law and it is subscribed and affirmed by bidder as true under the penalties of perjury.

Dated: \_\_\_\_\_, 20\_\_\_\_ By: \_\_\_\_\_

\_\_\_\_\_  
Bidder Title \_\_\_\_\_

CORPORATE RESOLUTION

If a corporate bidder, the following should also be executed:

2878 PUBLIC AUTHORITIES LAW

Resolved that \_\_\_\_\_ be authorized to sign and submit the Bid of \_\_\_\_\_ name of corporation for the following project \_\_\_\_\_ and to include in such bid the certificate as to non-collusion required by Section Twenty Eight Hundred Eight of the Public Authorities Law as the act and deed of such corporation, and for any inaccuracies or misstatements in such certificate this corporate bidder shall be liable under the penalties of perjury.

The foregoing is a true and correct copy of the resolution adopted by \_\_\_\_\_ Corporation at a meeting of its Board of Directors held on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Secretary

SEAL OF CORPORATION

STATE OF NEW YORK)  
COUNTY OF \_\_\_\_\_ )  
CITY OF \_\_\_\_\_ )

\_\_\_\_\_, being duly sworn, deposes and says that (s)he is the Bidder (or an authorized partner or officer of Bidder) described in the foregoing NON-COLLUSIVE BIDDING CERTIFICATION; that (s)he has read the foregoing certification and knows the contents thereof; that the same is true to the knowledge of deponent, except as to the matters therein stated to be alleged on information and belief, and that as to those matters (s)he believes it to be true.

\_\_\_\_\_  
(Signature of person signing certificate)

Sworn to before me this  
\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Notary Public/Commissioner of Deeds

BIDDER'S QUALIFICATIONS

(To be filled out completely and accompany bid)

1. Location \_\_\_\_\_  
Project Description \_\_\_\_\_  
Owner's Name \_\_\_\_\_  
Engineer's Name \_\_\_\_\_ Phone # \_\_\_\_\_  
Final Contract Price \_\_\_\_\_ Year Completed \_\_\_\_\_

2. Location \_\_\_\_\_  
Project Description \_\_\_\_\_  
Owner's Name \_\_\_\_\_  
Engineer's Name \_\_\_\_\_ Phone # \_\_\_\_\_  
Final Contract Price \_\_\_\_\_ Year Completed \_\_\_\_\_

ADDENDUM ACKNOWLEDGEMENT

The undersigned acknowledges the receipt of the following addenda, but (s)he agrees that (s)he is bound by all addenda whether or not listed herein:

Acknowledged: \_\_\_\_\_

Title: \_\_\_\_\_

Addendum No. 1 Dated \_\_\_\_\_ Signature \_\_\_\_\_

Addendum No. 2 Dated \_\_\_\_\_ Signature \_\_\_\_\_

Addendum No. 3 Dated \_\_\_\_\_ Signature \_\_\_\_\_

Addendum No. 4 Dated \_\_\_\_\_ Signature \_\_\_\_\_

Addendum No. 5 Dated \_\_\_\_\_ Signature \_\_\_\_\_

**DBE CERTIFICATION**

The signature below certifies that the Bidder understands the DBE requirements of the Contract Documents and shall fully comply.

\_\_\_\_\_  
**Bidder's Signature**

\_\_\_\_\_  
**Date**

**Bidder's status:**

DBE     MBE     WBE     Non-DBE/MBE/WBE (Check all that apply)

**OSHA CERTIFICATION**

The signature below certifies that the Bidder understands the requirements of State Labor Law §220-h and shall fully comply.

\_\_\_\_\_  
**Bidder's Signature**

\_\_\_\_\_  
**Date**

**BUY AMERICAN ACKNOWLEDGEMENT**

The Bidder acknowledges to and for the benefit of the Owner and the State of New York (the "State") that it understands the goods and services under the Agreement are being funded with monies made available by the federal American Recovery and Reinvestment Act of 2009 (ARRA) (or are being made available for a project being funded with monies made available by the federal ARRA) and such law contains provisions commonly known as "Buy American" that require all of the iron, steel and manufactured goods provided used in the Work be produced in the United States ("Buy American Requirements"). The Owner as a New York State public authority is subject to U.S. obligations under international agreements as provided in the Appendix to Subpart B of 2 CFR 176. The Bidder hereby represents and warrants to and for the benefit of the Owner and the State that (a) the Bidder has reviewed and understands the Buy American Requirements, (b) all of the iron, steel and manufactured goods used in the Work will be or have been produced in a manner that complies with the Buy American Requirements, and (c) the Bidder will provide any further verified information, certification or assurance of compliance with this paragraph as may be requested by the Owner or the State.

Notwithstanding any other provision of the Agreement, in the event that the Bidder enters into the Agreement with the Owner, any failure to comply with this paragraph by the Contractor shall permit the Owner or State to recover as damages against the Contractor any loss, expense or cost (including without limitation attorney's fees) incurred by the Owner or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Owner).

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Name & Title (Please Print or Type)**

**CERTIFICATION OF NONSEGREGATED FACILITIES**

By the submission of this Bid, the Bidder certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location under his control where segregated facilities are maintained. He certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location under his control where segregated facilities are maintained.

The Bidder agrees that a breach of this certification is a violation of the Equal Opportunity clause in this Contract. As used in this certificate, the term, "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation and entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are, in fact, segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise.

He further agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause; that he will retain such certifications in his files, and that he will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods).

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Name & Title (Please Print or Type)**

OFFERER/BIDDER DISCLOSURE OF PRIOR NON-RESPONSIBILITY DETERMINATION  
AND AFFIRMATION/CERTIFICATION IN ACCORDANCE WITH NYS FINANCE LAW §§ 139-J AND 139-K

Name of Individual or Entity Seeking to Enter into the Procurement Contract:

\_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Name and Title of Person Submitting this Form: \_\_\_\_\_

\_\_\_\_\_

Contract Procurement Number: 070909-01

Date: \_\_\_\_\_

1. Has any Government Entity made a finding of non-responsibility regarding the individual or entity seeking to enter into the Procurement Contract in the previous four years?

(Circle one):

No

Yes

If yes, answer the next questions:

2. Was the basis for the finding of non-responsibility due to a violation of State Finance Law § 139-j?

(Circle one):

No

Yes

3. Was the basis for the finding of non-responsibility due to the intentional provision of false or incomplete information to a Governmental Entity?

(Circle one):

No

Yes

4. If you answered yes to any of the above questions, provide details regarding the finding of non-responsibility below.

Governmental Entity: \_\_\_\_\_

Date of Finding of Non-Responsibility: \_\_\_\_\_

Basis of Finding of Non-Responsibility: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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(Add additional pages as necessary.)

5. Has any Governmental Entity or other governmental agency terminated or withheld a Procurement Contract with the above-named individual or entity due to the intentional provision of false or incomplete information?

(Circle one):

No

Yes

6. If yes, provide details below:

Governmental Entity: \_\_\_\_\_

Date of Termination: \_\_\_\_\_

Basis of Determination or Withholding: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Add additional pages as necessary.)

By signing below, Bidder/Offerer affirms that it understands and agrees to comply with the Monroe County Water Authority's Procurement Disclosure Policy, Code of Ethics Policy and Conflict of Interest Policy as required by State Finance Law § 139-j(3) and § 139-j(6) (b) and certifies that all information provided to the Monroe County Water Authority with respect to State Finance Law § 139-k and § 139-j is complete, true and accurate.

By: \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature of Person Certifying)

Print Name: \_\_\_\_\_

Print Title: \_\_\_\_\_

Bidder/Offerer Name: \_\_\_\_\_  
(Company Name)

Bidder/Offerer Address: \_\_\_\_\_

Bidder/Offerer Phone Number: \_\_\_\_\_

BID  
PROJECT NO. 02-S05

<u>Bid Item No.</u>	<u>Estimated Quantity</u>	<u>Bid Item Description Unit Price In Words</u>	<u>Unit Price In Figures Dollars &amp; Cents</u>	<u>Extended Total In Figures Dollars &amp; Cents</u>
1	1 LS	Mobilization		
		_____		
		_____		
		_____ Cents/ls	\$ _____ /ls	\$ _____
<hr/>				
2	1 LS	Site Work		
		_____		
		_____ Dollars		
		_____ Cents/ls	\$ _____ /ls	\$ _____
<hr/>				
3	1 LS	Riser Shaft		
		_____		
		_____ Dollars		
		_____ Cents/ls	\$ _____ /ls	\$ _____
<hr/>				
4	1 LS	Intake Shaft		
		_____		
		_____ Dollars		
		_____ Cents/ls	\$ _____ /ls	\$ _____
<hr/>				
5	1 LS	Outfall Shaft		
		_____		
		_____ Dollars		
		_____ Cents/ls	\$ _____ /ls	\$ _____
<hr/>				
6	1 LS	Main Pump Adit		
		_____		
		_____ Dollars		
		_____ Cents/ls	\$ _____ /ls	\$ _____

BID  
PROJECT NO. 02-S05

<u>Bid Item No.</u>	<u>Estimated Quantity</u>	<u>Bid Item Description Unit Price In Words</u>	<u>Unit Price In Figures Dollars &amp; Cents</u>	<u>Extended Total In Figures Dollars &amp; Cents</u>
7	1 LS.	Pump Well Shafts		
		_____ Dollars		
		_____ Cents/ls.	\$ _____ /ls.	\$ _____
8	2280 LF	Tunnel Type A		
		_____ Dollars		
		_____ Cents/lf	\$ _____ /lf	\$ _____
9	2850 LF	Tunnel Type B		
		_____ Dollars		
		_____ Cents/lf	\$ _____ /lf	\$ _____
10	630 LF	Tunnel Type C		
		_____ Dollars		
		_____ Cents/lf	\$ _____ /lf	\$ _____
11	100 LF	Tunnel Type D		
		_____ Dollars		
		_____ Cents/lf	\$ _____ /lf	\$ _____
12	1 LS	Tunnel Type E		
		_____ Dollars		
		_____ Cents/ls	\$ _____ /ls	\$ _____

<u>Bid Item No.</u>	<u>Estimated Quantity</u>	<u>Bid Item Description</u> <u>Unit Price</u> <u>In Words</u>	<u>Unit Price</u> <u>In Figures</u> <u>Dollars &amp; Cents</u>	<u>Extended Total</u> <u>In Figures</u> <u>Dollars &amp; Cents</u>
13	2000 LF	Additional Rock Bolts		
		_____ Dollars		
		_____ Cents/lf	\$ _____ /lf	\$ _____
14	20 EA.	4WX13 Steel Ribs		
		_____ Dollars		
		_____ Cents/ea	\$ _____ /ea	\$ _____
15	3000 LF	Drilling Holes for Grouting		
		_____ Dollars		
		_____ Cents/lf	\$ _____ /lf	\$ _____
16	75 CY	Mixing and Placing Grout		
		_____ Dollars		
		_____ Cents/cy	\$ _____ /cy	\$ _____
17	100 GAL.	Chemical Grouting		
		_____ Dollars		
		_____ Cents/gal	\$ _____ /gal	\$ _____

**BID**  
**PROJECT NO. 02-S05**

<u>Bid Item No.</u>	<u>Estimated Quantity</u>	<u>Bid Item Description</u> <u>Unit Price</u> <u>In Words</u>	<u>Unit Price</u> <u>In Figures</u> <u>Dollars &amp; Cents</u>	<u>Extended Total</u> <u>In Figures</u> <u>Dollars &amp; Cents</u>
18	55,720 LF	HDPE Pipe		
		_____ Dollars		
		_____ Cents/lf	\$ _____ /lf	\$ _____
19	3,592 LF	Ductile Iron Outfall Pipe		
		_____ Dollars		
		_____ Cents/lf	\$ _____ /lf	\$ _____
20	1 LS	Sluice Gates		
		_____ Dollars		
		_____ Cents/ls	\$ _____ /ls	\$ _____
21	1 LS	Intake Crib		
		_____ Dollars		
		_____ Cents/ls	\$ _____ /ls	\$ _____
22	60 LF	Stainless Steel Outfall Pipes		
		_____ Dollars		
		_____ Cents/lf	\$ _____ /lf	\$ _____

<u>Bid Item No.</u>	<u>Estimated Quantity</u>	<u>Bid Item Description</u> <u>Unit Price</u> <u>In Words</u>	<u>Unit Price</u> <u>In Figures</u> <u>Dollars &amp; Cents</u>	<u>Extended Total</u> <u>In Figures</u> <u>Dollars &amp; Cents</u>
23	1 LS	Temporary Electric Service  _____ Dollars _____ Cents/ls	\$ _____ /ls	\$ _____
24	1 LS	Chemical Feed Structure  _____ Dollars _____ Cents/ls	\$ _____ /ls	\$ _____
25	1 LS	Sampling Pump Stilling Wells  _____ Dollars _____ Cents/ls	\$ _____ /ls	\$ _____
26	1 LS	Pump Shaft Cruciform & Grating  _____ Dollars _____ Cents/ls	\$ _____ /ls	\$ _____
27	1 LS	Disputes Review Board Allowance  NINETY THOUSAND _____ Dollars ZERO _____ Cents/ls	\$ 90,000 /ls	\$ 90,000

<u>Bid Item No.</u>	<u>Estimated Quantity</u>	<u>Bid Item Description Unit Price In Words</u>	<u>Unit Price In Figures Dollars &amp; Cents</u>	<u>Extended Total In Figures Dollars &amp; Cents</u>
<b>CONTINGENT UNIT PRICE BID ITEMS</b>				
28	100 CY	Miscellaneous Excavation		
		_____ Dollars		
		_____ Cents/cy	\$ 15 /cy	\$ _____
<hr/>				
29	a. 100 CY	Sand		
		_____ Dollars		
		_____ Cents/cy	\$ _____ /cy	\$ _____
	b. 100 CY	Crushed Stone		
		_____ Dollars		
		_____ Cents/cy	\$ _____ /cy	\$ _____
	c. 100 CY	Run-of-Bank Gravel		
		_____ Dollars		
		_____ Cents/cy	\$ _____ /cy	\$ _____
	d. 1000 CY	Select Fill		
		_____ Dollars		
		_____ Cents/cy	\$ _____ /cy	\$ _____

<u>Bid Item No.</u>	<u>Estimated Quantity</u>	<u>Bid Item Description Unit Price In Words</u>	<u>Unit Price In Figures Dollars &amp; Cents</u>	<u>Extended Total In Figures Dollars &amp; Cents</u>
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Total Bid Price shall include the following Bid Items:

Total in words:

\_\_\_\_\_ Dollars and \_\_\_\_\_ Cents

Total in figures:

\_\_\_\_\_ Dollars and \_\_\_\_\_ Cents

**BID**

**(attach bid Security Here)**

**Section 8**

**Contract Drawings**

# CONTRACT DRAWINGS

*(Bound Separately)*

## TABLE OF CONTENTS

<u>NO.</u>	<u>TITLE</u>
	TITLE SHEET
C000	GENERAL NOTES , ABBREVIATIONS, LEGEND AND SYMBOLS
C200	PROPOSED LAYOUT PLAN SOUTH
C201	PROPOSED LAYOUT PLAN NORTH
C202	TEMPORARY ACCESS ROAD PROFILE & MPT PLAN
C800	CONSTRUCTION DETAILS
S201G	GENERAL STRUCTURAL NOTES
S201T	PLAN AND PROFILE, SHEET 1 OF 3
S202T	PLAN AND PROFILE, SHEET 2 OF 3
S203T	PLAN AND PROFILE, SHEET 3 OF 3
S204T	TUNNEL, INITIAL SUPPORT TYPES
S205T	TUNNEL, FINAL LINING
S206T	TUNNEL, MISCELLANEOUS DETAILS
S207T	TUNNEL, GROUTING DETAILS
S201R	RISER SHAFT, HORIZONTAL ADIT GENERAL PLAN & SECTIONS
S202R	RISER SHAFT INITIAL SUPPORT, VERTICAL SECTION
S203R	RISER SHAFT INITIAL SUPPORT, SECTIONS SHEET 1 OF 2
S204R	RISER SHAFT INITIAL SUPPORT, SECTIONS SHEET 2 OF 2
S205R	RISER SHAFT, SECTIONS SHEET 1 OF 4
S206R	RISER SHAFT, SECTIONS SHEET 2 OF 4
S207R	RISER SHAFT, SECTIONS SHEET 3 OF 4
S208R	RISER SHAFT, SECTIONS SHEET 4 OF 4
S209R	RISER SHAFT, TOP SLAB PLANS
S210R	RISER SHAFT, TOP SLAB SECTIONS
S211R	RISER SHAFT, INTERMEDIATE SLAB PLANS
S212R	RISER SHAFT, INTERMEDIATE SLAB SECTIONS
S213R	HORIZONTAL ADIT, PARTIAL PLAN 1 AND SECTIONS
S214R	HORIZONTAL ADIT, PARTIAL PLAN 2 AND SECTIONS
S215R	HORIZONTAL ADIT, SECTIONS
S216R	HORIZONTAL ADIT, PUMP WELL AT 8 FT ADIT
S217R	HORIZONTAL ADIT, PUMP WELL AT 10 FT ADIT
S218R	RISER SHAFT, MISCELLANEOUS DETAILS 1
S219R	RISER SHAFT, MISCELLANEOUS DETAILS 2
S220R	RISER SHAFT, GROUNDWATER CONTROL
S201I	INTAKE SHAFT, VERTICAL SECTION
S202I	INTAKE SHAFT, SECTIONS
S203I	INTAKE SHAFT, SHAFT/TUNNEL ADIT
S204I	INTAKE SHAFT, CASING PIPE DETAILS
S205I	INTAKE SHAFT, INTAKE CRIB FOUNDATION DETAILS

**Section 9**

**Geotechnical Design Summary Report**

*(Bound Separately)*