# New River Chamber at Montgomery Locks and Dam, Beaver County, Pennsylvania

CLIENT: USACE - Pittsburgh District - W911WN24R8000

Project location In vicinity of 100 Montgomery Dam Rd - Beaver, PA 15061

Respond by ASAP to Thalle Construction Co Inc. with you interest and to request project contract documents:

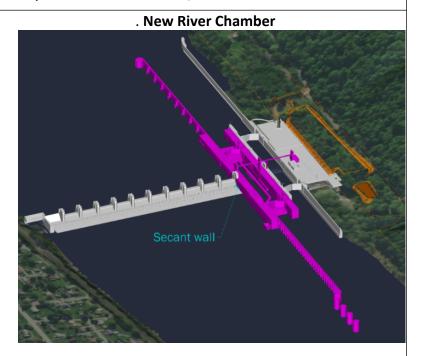
Contact Thalle Construction Co Inc – Estimating Dept. Attn Vincent Zannini <u>vzannini@thalle.com</u>; <u>quotes@thalle.com</u> D: 919.241.1635

# **DEADLINES**

- <u>Technical Questions Due</u>
   in advance of March 28, 2024 11:00 am
- <u>Subcontractor Quote / Priced offer Due</u> ASAP in advance of <u>April 23, 2024</u> 11:00 am EST To Thalle Construction Co Inc See instructions below in the following pages.

# **Small Business Utilization**

Small Business are encouraged to participate.
Offerors shall identify the extent to which Small
Businesses (SBs), Veteran-Owned Small
Businesses (VOSBs), Service-Disabled VeteranOwned Small Businesses (SDVOSBs), HUBZone
Small Businesses, Small Disadvantaged Businesses
(SDBs), and Woman-Owned Small Businesses
(WOSBs) will be utilized in the performance of
this contract.



# New River Chamber Construction Overall Scope of Work Features

Demolition Dredging Cofferdam & pilling Barge & Tug service. Diving Navigations improvement Foundation shaft & Piles Instrumention-Monitoring New Chamber Concrete- Monoliths Lock Walls Aggregates Concrete Materials Pre-engineered Metal builidings  Roofing Openings Doors Windows Painting & coatings HVAC Metal Fabrications Structural Steel Equipment Machinery Mechanical piping Compressed Air systems Electrical CCTV & Security Process Controls Utility Bridge Signs	Temporary Facilities	New Buildings & Shelters
Cofferdam & pilling Barge & Tug service. Diving Navigations improvement Foundation shaft & Piles Instrumention-Monitoring New Chamber Concrete- Monoliths Lock Walls Aggregates Concrete Materials Pre-engineered Metal  Openings Doors Windows Painting & coatings HVAC Metal Fabrications Structural Steel Equipment Machinery Mechanical piping Compressed Air systems Electrical CCTV & Security Process Controls Utility Bridge	Demolition	Masonry
Barge & Tug service.  Diving  Navigations improvement Foundation shaft & Piles Instrumention-Monitoring New Chamber Concrete- Monoliths Lock Walls Aggregates Concrete Materials Pre-engineered Metal  Painting & coatings HVAC  Metal Fabrications Structural Steel Equipment Machinery Mechanical piping Compressed Air systems Electrical CCTV & Security Process Controls Utility Bridge	Dredging	Roofing
Diving Navigations improvement Foundation shaft & Piles Instrumention-Monitoring New Chamber Concrete- Monoliths Lock Walls Aggregates Concrete Materials Pre-engineered Metal  HVAC Metal Fabrications Structural Steel Equipment Machinery Mechanical piping Compressed Air systems Electrical CCTV & Security Process Controls Utility Bridge	Cofferdam & pilling	Openings Doors Windows
Navigations improvement Foundation shaft & Piles Instrumention-Monitoring New Chamber Concrete- Monoliths Lock Walls Aggregates Concrete Materials Pre-engineered Metal  Metal Fabrications Structural Steel Equipment Machinery Mechanical piping Compressed Air systems Electrical CCTV & Security Process Controls Utility Bridge	Barge & Tug service.	Painting & coatings
Foundation shaft & Piles Instrumention-Monitoring New Chamber Concrete- Monoliths Lock Walls Aggregates Concrete Materials Pre-engineered Metal  Structural Steel Equipment Machinery Mechanical piping Compressed Air systems Electrical CCTV & Security Process Controls Utility Bridge	Diving	HVAC
Instrumention-Monitoring New Chamber Concrete- Monoliths Lock Walls Aggregates Concrete Materials Pre-engineered Metal  Equipment Machinery Mechanical piping Compressed Air systems Electrical CCTV & Security Process Controls Utility Bridge	Navigations improvement	Metal Fabrications
New Chamber Concrete- Monoliths Lock Walls Aggregates Concrete Materials Pre-engineered Metal  Mechanical piping Compressed Air systems Electrical CCTV & Security Process Controls Utility Bridge	Foundation shaft & Piles	Structural Steel
Monoliths Lock Walls Aggregates Concrete Materials Pre-engineered Metal  Compressed Air systems Electrical CCTV & Security Process Controls Utility Bridge	Instrumention-Monitoring	Equipment Machinery
Lock Walls Aggregates Concrete Materials Pre-engineered Metal  Electrical CCTV & Security Process Controls Utility Bridge	New Chamber Concrete-	Mechanical piping
Aggregates CCTV & Security Concrete Materials Process Controls Pre-engineered Metal Utility Bridge	Monoliths	Compressed Air systems
Concrete Materials Process Controls Pre-engineered Metal Utility Bridge	Lock Walls	Electrical
Pre-engineered Metal Utility Bridge	Aggregates	CCTV & Security
	Concrete Materials	Process Controls
builidings Signs	Pre-engineered Metal	Utility Bridge
	builidings	Signs

# **New River Chamber at Montgomery Locks and Dam**

# **Project Description**

The Contract is to construct a New River Chamber at the Montgomery Locks and Dam on the Ohio River in Monaca, PA. This project will construct a new nominal 600-foot length by 110-foot width lock chamber. Project scope and bid schedules include specific features include and not limited to base bid and all options:

BASE BID Contract consists of completion of a new Lock Chamber.: a. Pre-excavate as needed for construction. b. Install temporary service bridge. c. Disconnect dam side power while maintaining lock power. d. Install flashboards. e. Construction the in water combination wall. f. Demolition Upper and Lower Guard walls. g. Construct foundation drilled shafts, and in the wet monoliths. Construction of monoliths includes all concrete, reinforcing steel, waterstops, and associated embedded metal items. h. Construct cofferdam. i. Dewater the coffer area. j. Construct Land Wall Equipment Buildings. k. Construct in the dry monoliths. Construction of monoliths includes all concrete, reinforcing steel, waterstops, and associated embedded metal items. l. Install Construction Instrumentation. m. Demolition of original River Wall and Fixed Crest Weir. n. Excavate alluvium and rock for emptying and filling culverts. o. Construct River Wall facing. p. Install handrails, and top of wall features. q. Install permanent instrumentation. r. Demolition of temporary downstream bridge.

**OPTION ONE** consists of construction of the guard walls and associated items: a. Initial construction Upper and Lower Guard Walls, including structural and electrical features. b. Install upstream dikes. c. Install downstream dikes. d. Install waterway signs upstream and downstream of the lock.

**OPTION TWO** consists of construction of the sills and culverts: a. Construct upper miter sill and bulkhead sill. b. Construct lower miter/bulkhead sill. c. Construct filling and emptying culverts. d. Construct chamber floor. **OPTION THREE** consists of Fabrication and installation of the hydraulic Steel Structure components: a. filling and emptying valves, culvert bulkheads. b. Fabricate and deliver miter gates c. miter gates d. Test fit of existing Stoplogs.

**OPTION FOUR** consists of construction buildings, bridge, electrical and mechanical features: a. Construct Middle Wall and River Wall Equipment Buildings. b. Construct Middle Wall Control Shelters. c. drilled shafts, towers and permanent utility bridge land chamber span. d. Install electrical, mechanical and plumbing systems for lock and verify operation. e. jib crane. f. tow haulage system.

**OPTION FIVE** consists of completion of removal of the cofferdam. Specific features include and not limited to: a. Flood the coffer area. b. Remove cofferdam. c. Construction of Middle Wall bull nose cell. d. Construct downstream transition wall. e. Finish construction of Upper and Lower Guard Walls, including structural and electrical features. f. Install miter gates. g. Install permanent utility bridge river span.

**OPTION SIX** consists of milling and overlay paving of Montgomery dam road

# Subcontractor / supplier offer instructions.

Offers Email offers to <a href="mailto:quotes@thalle.com">quotes@thalle.com</a>; include Project title in subject line to Thelle Construction Co inc 900 NC 86, Hillsborough NC 27278 Corp Phone 919.245.1490 fax 919-241-1659 Review Contract Documents to develop your offer

- Offers are encouraged to be on company letterhead,
- include your Business Address, Point of contact(s): Phone number and Email address.
- Related Unit pricing: Consider client bid Item schedule, (base bid and Options) or subelements.
- If applicable Government Economic Price adjustment for Select Commodities table.
- If applicable include specialty License Number
- Bonding rate or percentage for work performed.
- Supplemental to your offer Include:
  - <u>Letter of commitment</u> is strongly encouraged from all small businesses and subcontractors performing

- Note your scope inclusions or exclusions and acknowledge any relevant contract documents, specifications, drawings amendments etc.
- Utilization of Small Business Concerns (SB, SDB, WOSB, VOSB, SDVOSB, HUBzone)
- major element identified by the RFP. [Draft template(s) available]
- Offer performing Major Elements Identified by the RFP may include relevant technical information, past performance, qualifications, and or References may also be considered or requested as needed.

CONTRACT COMPLIANCE All contracts and purchase orders will comply with and flow-down project documents requirements, contract clauses (FAR and DFAR Clauses), not limited to: contractor qualification(s); State & Federal laws and regulations Insurance Coverage, Buy American, Employment Practices, Davis Bacon wage and PLA labor obligation, taxes, Civil Rights Acts, Equal Employment, Cybersecurity

**Business Utilization of:** Small (SB), Small Disadvantage (SDB), Woman owned (WOSB), Veteran-owned (VOSB), Service-Disabled Veteran Owned (VOSB) HUBzone business firms are encouraged to participate. Work & materials may be combined or divided to facilitate maximum participation. Subcontractors are obliged to sublet to 2nd & 3rd tier subcontractors. Firms needing assistance with SBA Business classifications, obtaining bonding, loan capital, lines of credit, insurance, obtaining equipment & supplies materials or negotiate joint venture & partnership arrangements, or to inquiry Insurance requirements, payment terms, , may contact Thalle Construction Co Inc for assistance. Offers will negotiate fairly with interested firms & will not reject firms as unqualified without sound reasons-based on capabilities.

# **Subcontractor, Services and Materials Sought**

for work as described in contract Documents, Technical Specifications and Drawings

# CONTRACT DRAWINGS VOLUME ANDFEATURES NDEX

<b>FEATURE</b>	<b>DESCRIPTION</b>
CODES	
VOLUME	
1	CENEDAL
0	GENERAL
4	SITE - GENERAL
4.1	SITE - CONSTRUCTION SEQUENCE
4.2	SITE - CONCEPT DRAWINGS
4.3	SITE - LOCK DEMOLITION
5	CONCRETE BATCH PLANT SITE
	DEVELOPMENT
6	ESPLANADE SITE DEVELOPMENT
VOLUME	
2	
10	CORE BORINGS
19	COFFERDAM - GENERAL
19.1	COFFERDAM - LAYOUT
19.2	COFFERDAM - PIPE PILES
19.3	COFFERDAM - DEWATERING
19.4	COFFERDAM - FLOODWAY
19.5	COFFERDAM - TEMPORARY CLOSURE
19.6	COFFERDAM - DEMOLITION
VOLUME	
3	
20	LOCK - GENERAL
20.1	LOCK - EXISTING LAND WALL
20.2	LOCK - EXISTING MIDDLE WALL

Thalle Construction Co Inc. 900 NC 86 Hillsborough NC 27278 Main 919.245.1490

20.3	LOCK - EXISTING RIVER WALL
20.4	LOCK - MIDDLE WALL
20.5	LOCK - RIVER WALL (INTAKE MONOLITHS)
20.6	LOCK - RIVER WALL (CHAMBER MONOLITHS)
	· · · · · · · · · · · · · · · · · · ·
20.7	LOCK - RIVER WALL (DISCHARGE
20.0	MONOLITHS)
20.8	LOCK - EMPTYING BASIN
20.9	LOCK - UPPER GUARD WALL
20.1	NOT USED
20.11	LOCK - LOWER GUARD WALL
20.12	LOCK - CULVERTS AND LOCK FLOOR
20.13	LOCK - UPPER AND LOWER SILLS
20.13	LOCK - DRILLED SHAFTS
20.15	LOCK - MISCELLANEOUS METALS
20.16	LOCK - LOCK STOPLOG RECESS LINERS
20.17	LOCK - LOCK STOPLOG RECESS FILLERS
20.18	LOCK - INTAKE SCREENS
20.19	LOCK - FLOATING MOORING BITTS AND
	GUIDE FRAMES
VOLUME	
4	
21	HSS - GENERAL
21.1	
	HSS - MITER GATES AND ANCHORAGE
21.2	HSS - CULVERT VALVES
21.3	HSS - CULVERT BULKHEADS
22	GATE OPERATING MACHINERY
27	PIPING - GENERAL
27.1	PIPING - COMPRESSED AIR SYSTEM
27.2	PIPING - SERVICE WATER SYSTEM
28	VALVE OPERATING MACHINERY
	VALVE OF ERATING MACHINER I
VOLUME	
5	ELECTRICAL CENERAL
29	ELECTRICAL - GENERAL
29.1	ELECTRICAL - TEMPORARY AND
	DEMOLITION
29.2	ELECTRICAL - POWER
29.3	ELECTRICAL - CONTROLS
29.4	ELECTRICAL - LIGHTING
29.5	ELECTRICAL - CCTV
29.6	ELECTRICAL - SECURITY
29.7	ELECTRICAL - SCHEDULES
29.8	ELECTRICAL - GROUNDING
VOLUME	
6	
33	TOW HAULAGE SYSTEM
40	DAM - GENERAL
40.1	DAM - MODIFICATIONS
40.2	DAM - COMBINATION WALL
53	UTILITY BRIDGE
53.1	UTILITY BRIDGE - TEMPORARY
68	ROAD IMPROVEMENTS
79	BUILDINGS - GENERAL
79.1	BUILDINGS - EXISTING LAND WALL SERVICE
	BUILDING
79.2	BUILDINGS - LAND WALL EQUIPMENT
	BUILDING

79.3	BUILDINGS - MIDDLE WALL EQUIPMENT
	BUILDING
79.4	BUILDINGS - UPSTREAM CONTROL SHELTER
79.5	BUILDINGS - DOWNSTREAM CONTROL
	SHELTER
79.6	BUILDINGS - RIVER WALL EQUIPMENT
	BUILDING
79.7	BUILDINGS - RESIDENT ENGINEER OFFICE
82	NAVIGATION IMPROVEMENTS
83	DREDGING
88	INSTRUMENTATION
95	WATERWAY SIGNS
99	DISPOSAL AREA - GENERAL
Reference	
Drawings	
J	Reference Volume 1
	Reference Volume 2

# **TECHNICAL SPECIFICATIONS INDEX**

# **DIVISION 01 - GENERAL REQUIREMENTS**

- 01 11 13.00 08 SUMMARY OF WORK
- 01 22 00.00 08 PRICE AND PAYMENT PROCEDURES
- 01 30 00.00 08 ADMINISTRATIVE REQUIREMENTS
- 01 31 00.00 08 DATA MANAGEMENT
- 01 32 01.00 08 PROJECT SCHEDULE NETWORK ANALYSIS

Reference Volume 3

- 01 32 23.00 08 SURVEY AND ALIGNMENT CONTROL
- 01 32 25.00 08 LiDAR AND IMAGERY
- 01 32 33.00 08 DIGITAL PROGRESS IMAGES
- 01 33 00 SUBMITTAL PROCEDURES
- 01 33 16.00 10 DESIGN DATA (DESIGN AFTER AWARD)
- 01 35 00.00 08 SPECIAL PROCEDURES
- 01 35 26.00 08 GOVERNMENTAL SAFETY REQUIREMENTS
- 01 35 26.13 08 DIVING SERVICES
- 01 42 00 SOURCES FOR REFERENCE PUBLICATIONS
- 01 45 00.00 08 QUALITY CONTROL
- 01 45 00.15 08 RESIDENT MANAGEMENT SYSTEM CONTRACTOR MODE (RMS CM)
- 01 45 35 SPECIAL INSPECTIONS
- 01 50 00 TEMPORARY CONSTRUCTION FACILITIES AND CONTROLS
- 01 50 10.00 08 PROJECT AND SAFETY SIGNS
- 01 53 13 TEMPORARY UTILITY BRIDGE
- 01 54 00.00 08 GOVERNMENT EQUIPMENT AVAILABLE FOR USE IN PERFORMANCE OF CONTRACT
- 01 57 19.00 08 TEMPORARY ENVIRONMENTAL CONTROLS
- 01 73 19.00 08 GOVERNMENT-FURNISHED PROPERTY
- 01 74 19.00 08 DISPOSAL AND OPEN WATER PLACEMENT OF MATERIALS
- 01 78 00 CLOSEOUT SUBMITTALS
- 01 78 23 OPERATION AND MAINTENANCE DATA
- 01 78 24.00 10 FACILITY DATA REQUIREMENTS
- 01 78 43.00 08 SPARE PARTS
- 01 91 00.15 10 GENERAL COMMISSIONING

# **DIVISION 02 - EXISTING CONDITIONS**

02 32 00 FOUNDATION VERIFICATION DRILLING SAMPLING AND RECORDING

- 02 41 00.00 08 DEMOLITION
- 02 81 00 TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS
- 02 82 00 ASBESTOS REMEDIATION
- 02 83 00 LEAD REMEDIATION
- $02~84~16~{
  m HANDLING}$  OF LIGHTING BALLASTS AND LAMPS CONTAINING PCBs AND MERCURY
- 02 84 33 REMOVAL AND DISPOSAL OF POLYCHLORINATED BIPHENYLS (PCBs)

#### **DIVISION 03 - CONCRETE**

- 03 00 00 GENERAL CONCRETE REQUIREMENTS
- 03 11 14.01 CONCRETE: FORMWORK (IN-THE-WET)
- 03 11 14.02 CONCRETE: FORMWORK (IN-THE-DRY)
- 03 15 14 WATERSTOPS IN CONCRETE FOR CIVIL WORKS
- 03 20 02 CONCRETE REINFORCEMENT FOR CIVIL WORKS
- 03 23 00 STRESSED TENDON REINFORCING
- 03 30 00 CAST-IN-PLACE CONCRETE
- 03 30 00.20 08 CONCRETE: FIELD DEMONSTRATIONS
- 03 37 06.00 08 JET GROUTING
- 03 37 26.10 08 CONCRETE: UNDERWATER AND FLOWABLE
- 03 37 26.20 08 TEMPORARY UNDERWATER CONCRETE
- $03\ 41\ 33.02$  PRECAST STRUCTURAL PRETENSIONED CONCRETE (VERTICAL
- CONSTRUCTION)
- 03 45 33 PRECAST PRESTRESSED STRUCTURAL CONCRETE
- 03 62 16 METALLIC NON-SHRINK GROUTING
- 03 70 00 MASS CONCRETE
- 03 70 05.00 08 ALTERNATE COLD WEATHER PROTECTION

#### **DIVISION 04 - MASONRY**

04 20 00 UNIT MASONRY

#### **DIVISION 05 - METALS**

- 05 05 20.00 27 POST-INSTALLED CONCRETE AND MASONRY ANCHORS FOR LOCK COMPONENTS
- 05 05 20.01 27 POST-INSTALLED CONCRETE AND MASONRY ANCHORS (VERTICAL CONSTRUCTION)
- 05 12 00 GENERAL STRUCTURAL STEEL VERTICAL CONSTRUCTION
- 05 12 00.02 BRIDGE STRUCTURAL STEEL VERTICAL CONSTRUCTION
- 05 12 10 ELASTOMERIC BEARING PADS
- 05 30 00 STEEL DECKS
- 05 40 00 COLD-FORMED METAL FRAMING
- 05 50 13 MISCELLANEOUS METAL FABRICATIONS
- 05 50 15 CIVIL WORKS FABRICATIONS
- 05 51 00 METAL STAIRS
- 05 51 33 METAL LADDERS
- 05 52 00 METAL RAILINGS
- 05 59 20 FABRICATION OF HYDRAULIC STEEL STRUCTURES

# DIVISION 06 - WOOD PLASTICS AND COMPOSITES

- 06 10 00 ROUGH CARPENTRY
- 06 70 00 FIBERGLASS REINFORCED PLASTIC (FRP) PANEL
- 06 73 01 FIBERGLASS REINFORCED PLASTIC (FRP) GRATING AND TREADS
- 06 82 14 FIBERGLASS REINFORCED PLASTIC (FRP) STRUCTURAL SHAPES AND PIPE AND TUBE RAILINGS

# **DIVISION 07 - THERMAL AND MOISTURE PROTECTION**

- 07 22 00 RIGID INSULATION
- 07 27 10.00 10 BUILDING AIR BARRIER SYSTEM
- 07 27 19.01 SELF-ADHERING AIR BARRIERS
- 07 27 26 FLUID-APPLIED MEMBRANE AIR BARRIERS
- 07 27 36 SPRAY FOAM AIR BARRIERS
- 07 42 63 FABRICATED WALL PANEL ASSEMBLIES

- 07 60 00 FLASHING AND SHEET METAL
- 07 61 14.00 20 STEEL STANDING SEAM ROOFING
- 07 84 00 FIRESTOPPING
- 07 92 00 JOINT SEALANTS

#### **DIVISION 08 - OPENINGS**

- 08 11 13 STEEL DOORS AND FRAMES
- 08 36 13 SECTIONAL OVERHEAD DOORS
- 08 41 13 ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
- $08\,45\,23$  INSULATED TRANSLUCENT FIBERGLASS SANDWICH PANEL WALL SYSTEM
- 08 71 00 DOOR HARDWARE
- 08 81 00 GLAZING
- 08 91 00 METAL WALL LOUVERS

#### **DIVISION 09 - FINISHES**

- 09 22 00 SUPPORTS FOR GYPSUM BOARD
- 09 29 00 GYPSUM BOARD
- 09 65 00 RESILIENT WALL BASE
- 09 90 00 PAINTS AND COATINGS
- 09 97 02 PAINTING: HYDRAULIC STEEL STRUCTURES AND APPURTENANCES

## **DIVISION 10 - SPECIALTIES**

- 10 14 00.10 EXTERIOR SIGNAGE
- 10 14 00.20 INTERIOR SIGNAGE
- 10 28 13 TOILET ACCESSORIES
- 10 44 16 FIRE EXTINGUISHERS

# **DIVISION 13 - SPECIAL CONSTRUCTION**

- 13 50 00 INSTRUMENTATION PROGRAM
- 13 50 10 MOVEMENT PINS
- 13 50 15 AUTOMATED SURVEY EQUIPMENT
- 13 50 20 ELECTRONIC INCLINOMETERS
- 13 50 25 MANUAL INCLINOMETERS
- 13 50 30 ELECTRONIC PIEZOMETERS
- 13 50 35 MANUAL PIEZOMETERS
- 13 50 45 MANUAL CRACKMETERS
- 13 50 50 AUTOMATED CRACKMETERS
- 13 53 20 LOAD CELLS MOUNTED ON ROCK ANCHORS
- 13 70 00 AUTOMATED DATA ACQUISITION SYSTEM (ADAS)

#### **DIVISION 14 - CONVEYING EQUIPMENT**

14 46 00 VERTICAL RECIPROCATING CONVEYOR

#### **DIVISION 22 - PLUMBING**

- 22 00 00 PLUMBING GENERAL PURPOSE
- 22 11 13.00 08 PLUMBING SERVICE WATER SYSTEM
- 22 15 14.00 40 GENERAL SERVICE COMPRESSED-AIR SYSTEMS LOW PRESSURE
- 22 15 19.19 08 AIR COMPRESSOR

# DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING (HVAC)

- 23 03 00.00 20 BASIC MECHANICAL MATERIALS AND METHODS
- 23 05 93.00 06 TESTING ADJUSTING AND BALANCING (TAB) OF HVAC
- 23 07 00 THERMAL INSULATION FOR MECHANICAL SYSTEMS
- 23 09 13 INSTRUMENTATION AND CONTROL DEVICES FOR HVAC
- 23 23 00 REFRIGERANT PIPING
- 23 35 19.00 20 INDUSTRIAL VENTILATION AND EXHAUST
- 23 81 00 DECENTRALIZED UNITARY HVAC EQUIPMENT
- 23 82 46.00 40 ELECTRIC UNIT HEATERS
- 23 82 46.00 41 ELECTRIC UNIT HEATERS RECIRCULATION AIR ONLY

#### **DIVISION 25 - INTEGRATED AUTOMATION**

25 05 11.01 28 CYBERSECURITY

- 25 05 11.02 28 CYBERSECURITY FOR CIVIL WORKS OPERATIONAL TECHNOLOGY
- 25 05 11.03 28 CYBERSECURITY FOR FACILITY-RELATED CONTROL SYSTEMS

#### **DIVISION 26 - ELECTRICAL**

- 26 05 19.10 08 INSULATED WIRE AND CABLE
- 26 08 00 APPARATUS INSPECTION AND TESTING
- 26 20 00 DISTRIBUTION SYSTEM
- 26 28 00.00 10 MOTOR CONTROL CENTERS SWITCHBOARDS AND PANELBOARDS
- 26 28 01.00 10 COORDINATED POWER SYSTEM PROTECTION
- 26 29 23 ADJUSTABLE SPEED DRIVE (ASD) SYSTEMS UNDER 600 VOLTS
- 26 32 14.00 10 ELECTRIC GENERATOR SET
- 26 36 23 AUTOMATIC TRANSFER SWITCHES AND BY-PASS/ISOLATION SWITCH
- 26 41 00 LIGHTNING PROTECTION SYSTEM
- 26 51 00 INTERIOR LIGHTING
- 26 56 00.00 08 EXTERIOR LIGHTING
- 26 56 13.00 POLES AND STANDARDS

#### **DIVISION 27 - COMMUNICATIONS**

- 27 10 00 BUILDING TELECOMMUNICATIONS CABLING SYSTEM
- 27 13 23.00 08 COMMUNICATIONS OPTICAL BACKBONE CABLING
- 27 21 10.00 08 FIBER OPTIC DATA TRANSMISSION SYSTEM
- 27 51 16 PUBLIC ADDRESS SYSTEMS

# **DIVISION 28 - ELECTRONIC SAFETY AND SECURITY**

- 28 08 10 ELECTRONIC SECURITY SYSTEM ACCEPTANCE TESTING
- 28 10 05 ELECTRONIC SECURITY SYSTEMS (ESS)
- 28 10 05.00 08 CLOSED CIRCUIT TELEVISION (CCTV)
- 28 31 70 INTERIOR FIRE ALARM SYSTEM ADDRESSABLE

#### **DIVISION 31 - EARTHWORK**

- 31 00 00 EARTHWORK
- 31 00 00.71 08 ROADWAY EARTHWORK
- 31 05 19.13 GEOTEXTILES FOR EARTHWORK
- 31 11 00 CLEARING AND GRUBBING
- 31 23 05 MASS EXCAVATION
- 31 23 06 BLASTING
- 31 33 01.00 08 ROCK LINING
- 31 41 16 METAL SHEET PILING
- 31 42 00 COFFERDAM
- 31 45 00 DIVERSION AND CARE OF WATER
- 31 60 00 FOUNDATION PREPARATION
- 31 62 16.13 DRILLED IN PLACE STEEL PIPE PILES
- 31 62 23.13 CAST-IN-PLACE CONCRETE PILES
- 31 63 29 DRILLED CONCRETE PIERS AND SHAFTS
- 31 68 13 SOIL AND ROCK ANCHORS

# **DIVISION 32 - EXTERIOR IMPROVEMENTS**

- 32 01 16.71 08 COLD MILLING ASPHALT PAVING
- 32 01 16.76 08 COLD-MIX REUSED ASPHALT PAVING
- 32 01 17.00 08 ASPHALT PAVEMENT PATCHING
- 32 01 19.61 FIELD MOLDED JOINT SEALANTS FOR CIVIL WORKS
- 32 11 23 AGGREGATE BASE COURSES
- 32 11 25 LOCK FLOOR DRAINAGE LAYER
- 32 12 13.15 08 ASPHALT TACK AND PRIME COATS
- 32 12 16.00 08 ASPHALT PAVEMENT CONSTRUCTION
- 32 13 73.19 COMPRESSION JOINT SEALS FOR CIVIL WORKS
- 32 17 23 PAVEMENT MARKINGS
- 32 31 13 CHAIN LINK FENCES AND GATES
- 32 34 13 FABRICATED PEDESTRIAN BRIDGES
- 32 92 19 SEEDING

#### **DIVISION 33 - UTILITIES**

- 33 11 00 WATER UTILITY DISTRIBUTION PIPING
- 33 30 00 SANITARY SEWERAGE
- 33 31 23.00 10 SANITARY SEWER FORCE MAIN PIPING
- 33 32 16 PACKAGED UTILITY WASTEWATER PUMPING STATIONS
- 33 40 00 STORMWATER UTILITIES
- 33 71 02 UNDERGROUND ELECTRICAL DISTRIBUTION
- 33 82 00 TELECOMMUNICATIONS OUTSIDE PLANT (OSP)

# **DIVISION 35 - WATERWAY AND MARINE CONSTRUCTION**

- $35\ 01\ 41.00\ 10$  ELECTROMECHANICAL OPERATING MACHINERY FOR LOCKS AND DAMS
- 35 05 40.14 10 HYDRAULIC POWER SYSTEMS FOR CIVIL WORKS STRUCTURES
- 35 08 40 MITER GATE COMMISSIONING
- 35 11 50 TOW HAULAGE SYSTEM
- 35 20 16.33 MITER GATES
- 35 20 16.45 MITER GATE ANCHORAGE
- 35 20 16.46 CULVERT VALVES
- 35 20 23.10 UNDERWATER EXCAVATION
- 35 31 19 RIVERINE STRUCTURES
- 35 49 23.23 25 GUARD WALLS
- 35 59 29 FLOATING MOORING BITTS

# **DIVISION 40 - PROCESS INTERCONNECTIONS**

- 40 05 13.96 WELDING PROCESS PIPING
- 40 60 00 PROCESS CONTROL
- 40 60 00.10 TOW HAULAGE PROCESS CONTROL

# DIVISION 41 - MATERIAL PROCESSING AND HANDLING EQUIPMENT

41 22 13.16 JIB CRANES

Geotechnical Reports
Amendments
Drawings
Project Manual - Solicitation, Offer Contract requirements
Technical Specifications
Other forthcoming Documents as issued