

September 25, 2017

# YOUTH STUDY CENTER 28 BED EXPANSION VALUE ENGINEERING BID DOCUMENTS A1601-VE

## TABLE OF CONTENTS

### **VOLUME 1**

#### **DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS**

00 0101 PROJECT TITLE PAGE  
00 0107 SEALS PAGE  
00 110 INSTRUCTIONS TO BIDDERS  
00 300 BID FORM  
00 500 SAMPLE AGREEMENT  
00 600 BONDS AND CERTIFICATES  
00 720 CONDITIONS OF CONTRACT  
00 730 FEMA CONDITIONS  
00 750 SECTION 3 COMPLIANCE PACKET FOR CONTRACTORS

#### **DIVISION 01 – GENERAL REQUIREMENTS**

01 1000 SUMMARY  
01 2100 ALLOWANCES  
01 2300 ALTERNATES  
01 2500 SUBSTITUTION PROCEDURES  
01 2501 SUBSTITUTION REQUEST FORM (DURING BIDDING PHASE)  
01 2600 CONTRACT MODIFICATION PROCEDURES  
01 2900 PAYMENT PROCEDURES  
01 3100 PROJECT MANAGEMENT AND COORDINATION  
01 3300 SUBMITTAL PROCEDURES  
01 3513 DETENTION SPECIALIST  
01 4000 QUALITY REQUIREMENTS  
01 4200 REFERENCES  
01 5000 TEMPORARY FACILITIES AND CONTROLS  
01 5713 TEMPORARY EROSION AND SEDIMENT CONTROLS  
01 6000 PRODUCT REQUIREMENTS  
01 7300 EXECUTION  
01 7700 CLOSEOUT PROCEDURES  
01 7830 OPERATION AND MAINTENANCE DATA  
01 7839 PROJECT RECORD DOCUMENTS

#### **DIVISION 02 – EXISTING CONDITIONS**

02 4120 SELECTIVE DEMOLITION  
02 5500 REMEDIATION SOIL STABILIZATION  
MONITORING AND MAINTENANCE PLAN FOR THE JUVENILE JUSTICE CENTER AND YOUTH STUDY CENTER,  
dated August 24, 2016

#### **DIVISION 03 – CONCRETE**

03 3000 CAST-IN-PLACE CONCRETE  
03 3500 CONCRETE SEALER

#### **DIVISION 04 – MASONRY**

04 0120 TREATMENT OF EXISTING UNIT MASONRY  
04 2000 UNIT MASONRY

**DIVISION 05 – METALS**

05 1200 STRUCTURAL STEEL FRAMING  
05 2100 STEEL JOIST FRAMING  
05 3100 STEEL DECKING  
05 4000 COLD-FORMED METAL FRAMING  
05 5000 METAL FABRICATIONS  
05 5015 ALUMINUM LADDERS  
05 5963 DETENTION BARRIERS

**DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES**

06 1000 ROUGH CARPENTRY  
06 4116 PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS

**DIVISION 07 – THERMAL & MOISTURE PROTECTION**

07 1616 CRYSTALLINE WATERPROOFING  
07 1900 WATER REPELLENTS  
07 2726 FLUID-APPLIED MEMBRANE AIR BARRIERS  
07 4214 METAL WALL PANELS  
07 5500 MODIFIED BITUMEN MEMBRANE ROOFING  
07 6100 SHEET METAL ROOFING  
07 6200 SHEET METAL FLASHING AND TRIM  
07 7100 MANUFACTURED ROOF SPECIALTIES  
07 7233 ROOF HATCHES  
07 8446 FIRE-RESISTIVE JOINT SYSTEM  
07 9200 JOINT SEALANTS

**DIVISION 08 – OPENINGS**

08 1113 STEEL DOORS AND FRAMES  
08 3463 DETENTION DOORS AND FRAMES  
08 3950 BULLET RESISTANT DOORS AND WINDOW SYSTEMS  
08 4113 ALUMINUM-FRAMED STOREFRONTS  
08 4330 BULLET RESISTANT ENTRANCES AND STOREFRONTS  
08 5663 DETENTION WINDOWS  
08 7100 DOOR HARDWARE  
08 7163 DETENTION DOOR HARDWARE  
08 8853 SECURITY GLAZING  
08 9119 FIXED LOUVERS

**DIVISION 09 – FINISHES**

09 2900 GYPSUM BOARD  
09 3000 TILING  
09 5753 SECURITY CEILING ASSEMBLIES  
09 6516 RESILIENT SHEET FLOORING  
09 6519 RESILIENT TILE AND BASE  
09 6616 RESILIENT TERRAZZO TILING  
09 9100 PAINTING  
09 9200 POLYMER FLOORING  
09 9600 HIGH-PERFORMANCE COATINGS

**DIVISION 10 – SPECIALITIES**

10 1400 SIGNAGE  
10 2640 BULLET RESISTANT PANELS  
10 2800 TOILET AND BATH ACCESSORIES  
10 4400 FIRE EXTINGUISHERS AND CABINETS  
10 5613 METAL SHELVING  
10 8500 MISCELLANEOUS SPECIALITIES

**DIVISION 11 – EQUIPMENT**

11 1443 PEDESTRIAN DETECTION EQUIPMENT  
11 1900 DETENTION PADDING SYSTEM  
11 2326 LAUNDRY EQUIPMENT  
11 4000 FOOD SERVICE EQUIPMENT  
11 6623 GYMNASIUM EQUIPMENT

**DIVISION 12 – FURNISHINGS**

12 2124 MANUAL ROLLER SHADES  
12 3000 METAL CASEWORK  
12 4813 ENTRANCE FLOOR GRID  
12 5503 MOLDED DETENTION FURNITURE  
12 5583 DETENTION CONTROL CENTER

**DIVISION 13 – SPECIAL CONSTRUCTION**

13 3423 FABRICATED CONTROL BOOTHS

**VOLUME 2**

**DIVISION 21 – FIRE SUPPRESSION**

21 1110 FACILITY FIRE-SERVICE MAINS  
21 1313 WET PIPE SPRINKLER SYSTEM

**DIVISION 22 – PLUMBING**

22 0513 COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT  
22 0516 EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING  
22 0517 SLEEVES AND SLEEVE SEALS FOR PLUMBING PIPING  
22 0518 ESCUTCHEONS FOR PLUMBING PIPING  
22 0519 METERS AND GAGES FOR PLUMBING PIPING  
22 0523.12 BALL VALVES FOR PLUMBING PIPING  
22 0523.14 CHECK VALVES FOR PLUMBING PIPING  
22 0523.15 GATE VALVES FOR PLUMBING PIPING  
22 0529 HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT  
22 0548 VIBRATION CONTROLS FOR PLUMBING PIPING AND EQUIPMENT  
22 0553 IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT  
22 0719 PLUMBING PIPING INSULATION  
22 1116 DOMESTIC WATER PIPING  
22 1119 DOMESTIC WATER PIPING SPECIALTIES  
22 1123 DOMESTIC WATER PUMPS  
22 1123.13 DOMESTIC-WATER PACKAGED BOOSTER PUMPS  
22 1316 SANITARY WASTE AND VENT PIPING  
22 1319 SANITARY WASTE PIPING SPECIALTIES  
22 1343 FACILITY PACKAGED SEWAGE PUMPING STATIONS  
22 1413 STORM DRAINAGE PIPING  
22 1423 STORM DRAINAGE PIPING SPECIALTIES  
22 3400 FUEL-FIRED, DOMESTIC-WATER HEATERS  
22 4100 RESIDENTIAL PLUMBING FIXTURES  
22 4213.13 COMMERCIAL WATER CLOSETS  
22 4216.13 COMMERCIAL LAVATORIES  
22 4216.16 COMMERCIAL SINKS  
22 4600 SECURITY PLUMBING FIXTURES  
22 4713 DRINKING FOUNTAINS  
22 4716 PRESSURE WATER COOLERS

**DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING (HVAC)**

23 0513 COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT  
23 0517 SLEEVES AND SLEEVE SEALS FOR HVAC PIPING  
23 0518 ESCUTCHEONS FOR HVAC PIPING  
23 0519 METERS AND GAGES FOR HVAC PIPING  
23 0523.12 BALL VALVES FOR HVAC PIPING  
23 0523.13 BUTTERFLY VALVES FOR HVAC PIPING  
23 0523.14 CHECK VALVES FOR HVAC PIPING  
22 0523.15 GATE VALVES FOR HVAC PIPING  
23 0529 HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT  
23 0548 VIBRATION CONTROLS FOR HVAC  
23 0553 IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT  
23 0593 TESTING, ADJUSTING, AND BALANCING FOR HVAC  
23 0713 DUCT INSULATION  
23 0719 HVAC PIPING INSULATION  
23 1123 FACILITY NATURAL-GAS PIPING  
23 1126 FACILITY LIQUEFIED-PETROLEUM GAS PIPING  
23 2113 HYDRONIC PIPING

23 2116 HYDRONIC PIPING SPECIALTIES  
23 2123 HYDRONIC PUMPS  
23 2513 WATER TREATMENT FOR CLOSED-LOOP HYDRONIC SYSTEMS  
23 3113 METAL DUCTS  
23 3300 AIR DUCT ACCESSORIES  
23 3423 HVAC POWER VENTILATORS  
23 3600 AIR TERMINAL UNITS  
23 3713 DIFFUSERS, REGISTERS, AND GRILLES  
23 5123 GAS VENTS  
23 6423 SCROLL WATER CHILLERS  
23 7313 MODULAR INDOOR CENTRAL-STATION AIR-HANDLING UNITS  
23 7314 CUSTOM ROOFTOP ENERGY RECOVERY AIR-HANDLING UNIT  
23 7413 PACKAGED ROOF-TOP UNIT  
23 8216 ELECTRIC DUCT HEATERS

**DIVISION 25 – INTEGRATED AUTOMATION**

25 5000 INTEGRATED BUILDING AUTOMATION AND SECURITY SYSTEMS

**DIVISION 26 – ELECTRICAL**

26 0110 RACEWAYS AND CONDUIT  
26 0120 WIRE AND CABLE  
26 0143 WIRING DEVICES  
26 0170 DISCONNECT SWITCHES  
26 0190 SUPPORTING DEVICES  
26 0450 GROUNDING  
26 0470 ELECTRICAL DISTRIBUTION  
26 0510 LIGHTING  
26 0529 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS  
25 0543 UNDERGROUND DUCTS AND RACEWAY FOR ELECTRICAL SYSTEMS  
26 0544 SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLING  
26 0553 IDENTIFICATION FOR ELECTRICAL SYSTEMS  
26 0721 FIRE ALARM  
26 4100 LIGHTNING PROTECTION FOR STRUCTURES

**DIVISION 31 – EARTHWORK**

31 1000 EARTHWORK  
31 2319 DEWATERING  
31 3116 TERMITE CONTROL  
31 6219 TIMBER PILES

**DIVISION 32 – EXTERIOR IMPROVEMENTS**

32 1313 CONCRETE PAVING  
32 3100 WELDED WIRE FENCES AND GATES  
32 8400 TEMPORARY IRRIGATION SYSTEM  
32 9200 TURF AND GRASSES  
32 9300 PLANTS

**DIVISION 33 – UTILITIES**

33 1100 WATER SYSTEMS  
33 3000 SANITARY SEWERAGE  
33 4000 STORM DRAINAGE