

# Kanawha County Commission

407 VIRGINIA STREET, EAST  
CHARLESTON, WEST VIRGINIA 25301  
(304) 357-0115

## Request for Quotations

**ITEM:** Coonskin Golf Course Irrigation Pump Station F.O.B. Coonskin Park, 375 Henry C Hoppy Shores Drive, Charleston, West Virginia 25302, for the Kanawha County Parks & Recreation Commission

**Date:** July 12, 2022

**LOCATION:** Coonskin Park  
375 Henry C. Hoppy Shores Drive, Charleston, WV 25302

**BID DUE DATE:** Bids must be received on or before Monday, July 25, 2022, at 3:00 p.m. in the Kanawha County Commission Purchasing Department, 407 Virginia Street, East, Third Floor, Room 229, Charleston, WV 25301 (PO Box 3627, Charleston, WV 25336)

### INSTRUCTIONS TO BIDDERS:

**\*PLEASE USE THIS FORM AS THE COVER SHEET FOR YOUR BID**

1. Bids must be received in a sealed envelope with the date and time of the bid opening on the outside of the envelope. Faxed and electronically submitted bids will not be accepted.
2. Bid must be F.O.B. Delivery Point, unless otherwise indicated in proposal.
3. All bids should be signed and in ink, showing all facts and the total amount of the bid.
4. This is a non-prevailing wage project.
5. The Kanawha County Commission reserves the right to accept or reject in part or in whole any bid submitted, whichever is in the best interest of the County.

Item #	Description	Bid Amount
1	Irrigation Pump Station	\$ _____
	<b>WRITTEN BID AMOUNT</b>	\$ _____

Vendor Name: \_\_\_\_\_

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

WV Contractor's License No.: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

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

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

Telephone: \_\_\_\_\_

# SPECIFICATIONS

KANAWHA COUNTY COMMISSION  
CHARLESTON, WEST VIRGINIA

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<b>CONTACT:</b>	<b>Questions Regarding Specifications:</b>	<b>Questions Regarding Bid Submission:</b>
	Jeff Hutchinson, Executive Director Recreation Commission 375 Henry C Hoppy Shores Drive Charleston, WV 25302 Telephone (304) 533-6570	Jerie Whitehead Kanawha County Commission 407 Virginia Street, East Charleston, WV 25301 Email: jeriewhitehead@kanawha.us

## SPECIFICATIONS:

1. Coonskin Golf Course Irrigation Pump Station located at 375 Henry C. Hoppy Shores Drive, Charleston, WV 25302. Provided Bid Specs must be followed as attached with no substitution accepted.
2. **Job Completed by September 15, 2022**
3. List a minimum of three (3) commercial references:
  - A. Name: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Telephone: \_\_\_\_\_
  - B. Name: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Telephone: \_\_\_\_\_
  - C. Name: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Telephone: \_\_\_\_\_

**IRRIGATION BOOSTER PUMP SYSTEM**  
**MODEL # SCSUL08-120-400-30/30/15-C-6-G-6-6-X-X-X-X**

**DESCRIPTION:**

The work under this special provision shall consist of furnishing all materials, equipment and labor necessary to construct the pump system in conformance with the details on the Project Plans, in accordance with these special provisions, the plans and details and as directed by the owner.

This specification describes a variable frequency drive controlled centrifugal pump station. Design, manufacture, and testing are the sole responsibility of the selected pump station manufacturer. The pump station is to provide water to the irrigation system while simultaneously maintaining a constant discharge pressure by using a prefabricated pump station with variable frequency drives for pressure regulation, under varying flow conditions up to the maximum specified capacity and will be UL QCZJ - "Packaged Pumping System."

Pump system equipment, start-up, training, close-out packages, clean-up and guarantees are a part of this item.

**442.2 GENERAL:**

The Pump System shall be constructed in accordance with the details shown on the project plans, except as specified herein.

The prefabricated pump station is to have, at the station discharge isolation valve, the volumetric flow rate and pressure stated in the technical specifications. Centrifugal pumps shall be constructed on a manifold to enable a variable frequency drive to sequentially start the pumps in order to maintain the necessary flow volume at design pressure. The main pumps are to operate at no more than 3,600 RPM.

The station shall be completely wired, piped, hydraulically, electrically, and flow tested to full station capacity at factory prior to shipment to job site. Construction shall include a fabricated steel plate and skid assembly to support all components during shipping and to serve as the installation mounting base. The pump station shall include multiple VFD's one (1) per motor for proper operation.

**442.2.1 Technical Information:**

**Total Pump Station Design Requirements:**

Irrigation Zone	Design Flow Rate (GPM)	Design Pressure for pumps
	400 GPM	120 PSI – 277 feet head

Available Pressure: 0 psig: Suction Lift

Total System Design Pressure: 120 PSI – 277 feet

**Available Incoming Power:**

	Voltage	Amps	Phase	Hertz
Service Entrance	480	400	3	60

**Motor and Pump Data:**

Main Pumps Motor Power	30/30	HP
Jockey Pump Motor Power	15	HP
Motor And Pump Speed	3600	RPM
Motor Service Factor	1.15	-
Main Pump Motor Efficiency	91.7	%
Motor Type	Centrifugal	-
Motor Protector Setting	58/31	AMPS
Motor Starter Type	VFD	-
Altitude Deration Factor For Main Motors	0	%
Individual Pump Flow Rates	200/200/120	GPM
Pump Discharge Flange Size	3/3/2.5	INCHES
Check Valve Size	3/4/4	INCHES
Check Valve Maximum Pressure Rating	200	PSI
Check Valve Pressure Loss at Design Flow Rate	1.6	PSI
Pump Isolation Valve Size	3/4/4	INCHES
Pump Isolation Valve Maximum Pressure Rating	200	PSI
Pressure Relief Valve Size	NA	INCHES
Air Vent Valve Size	1	INCHES
Station Isolation Valve Size	8	INCHES
Station Isolation Valve Maximum Pressure Rating	200	PSI

### **442.3 MATERIALS:**

Materials shall conform to the requirements specified on the plans and these special provisions.

The contractor shall furnish complete copies, in triplicate, 10 days prior to bid date of manufacturer's standard catalog data showing performance and construction materials for all components and materials supplied. Furnish shop drawings where indicated on plans and details.

#### **442.3.1 Main Pump Assembly:**

1. Performance requirements: The pump and drive motor shall be capable of operating satisfactorily under the full range of conditions from shut-off through run-out. Motors shall be non-overloading throughout the range of operation.
2. The main pumps shall be two each horizontal centrifugal, designed at 200 gpm each at 120 psig. The horizontal centrifugal pump shall be manufactured according to the standards of the Hydraulic Institute and to ANSI specification number, B58.1. The pump casing shall be ASTM 48, Class 30 cast iron capable of hydrostatic test @ 150% of maximum discharge and have a suction replaceable wear ring. All mating shall have a register fit to ensure alignment.
3. The impeller shall be cast iron. Completely machined on all outside surfaces and dynamically balanced at the time of pump assembly. The impeller shall be keyed to the shaft and securely fastened with a vibration resistant lock screw and washer.
4. The mechanical seal shall be a Type 1 design with carbon vs ceramic faces and Buna elastomers. Mechanical seal shall be installed on a bronze or stainless shaft sleeve.
5. The pump and motor shall be connected by an ASTM 48, Class 30, and cast-iron bracket incorporating a full isolating shield with dual slinger rings to prevent moisture from entering the front motor bearing.

#### **442.3.2 Jockey Pump Assembly:**

1. Performance requirements: The pump and drive motor shall be capable of operating satisfactorily under the full range of conditions from shut-off through run-out. Motors shall be non-overloading throughout the range of operation.
2. The main pumps shall be two each horizontal centrifugal, designed at 100 gpm each at 120 psig. The horizontal centrifugal pump shall be manufactured according to the standards of the Hydraulic Institute and to ANSI specification number, B58.1. The pump casing shall be ASTM 48, Class 30 cast iron capable of hydrostatic test @ 150% of maximum discharge and have a suction replaceable wear ring. All mating shall have a register fit to ensure alignment.
3. The impeller shall be cast iron. Completely machined on all outside surfaces and dynamically balanced at the time of pump assembly. The impeller shall be keyed to the shaft and securely fastened with a vibration resistant lock screw and washer.
4. The mechanical seal shall be a Type 1 design with carbon vs ceramic faces and Buna elastomers. Mechanical seal shall be installed on a bronze or stainless shaft sleeve.

5. The pump and motor shall be connected by an ASTM 48, Class 30, and cast-iron bracket incorporating a full isolating shield with dual slinger rings to prevent moisture from entering the front motor bearing.

#### **442.3.3 Motors:**

1. All motors shall be built in accordance in the latest NEMA, IEEE, ANDI and AFBMA standards where applicable. The motor shall have Class F insulation with a temperature rise as specified by NEMA standards and shall be furnished with a 1.15 service factor.
2. Leads shall be terminated in a connection box and shall be clearly identified.
3. The motors shall be equipped with adequate bearings that are locally available and have minimum B-10 at the design condition of 40,000 hours.
4. The motor shall be designed for VFD applications. Motors shall be TEFC, 30hp and 15hp, 3 phase, 60 cycle, and 480 volt.
5. Motors Shall be premium efficient and VFD rated.

#### **442.3.4 Station Base:**

The pump station base shall be designed and fabricated to provide proper structural support for all attached equipment. The base shall supply sufficient rigidity to withstand the stresses of reasonable and competent transportations to site, off loading, installation, and operation. Main structural members shall be constructed from heavy weight channel, tubing, or I-beam steel. The base shall be fully fabricated with carbon steel plate and fully welded at all seams. Formed bases/skids are not acceptable. Provisions shall be made in the station base for off-loading with a forklift. The steel base shall create a flooring substructure when installation is per factory recommendations and will aide in installation of pump station as per recommended Hydraulic Institute standards. All bolts for the package assembly shall be plated to retard corrosion.

#### **442.3.6 Piping:**

1. Piping shall be schedule 40 steel pipe (powder coated) or heavier as required to maintain a 3 to 1 pressure safety factor (including 1/16" corrosion allowance). All piping shall be hydrostatically tested to 150% of maximum shutoff pressure. Piping between pumping system suction and discharge connection shall be grooved for maximum flexibility, minimize vibration and the stress of transportation and operation.
2. Piping shall conform to ASTM specification for steel pipe welded and seamless pipe. The piping shall be for connection to the main line piping. The piping shall be of Schedule 40 and sized for depth and termination based on main line piping requirements.
3. Discharge and suction piping shall be powder coated.
4. The discharge and suction outlet of the system will be welded into the manifold and will have an ANSI 150 PSI flange for connection to the irrigation system.

#### **442.3.7 Filtration:**

1. General
  - a. The filtration system shall contain an automatic, self-cleaning filter and a control system.

- b. The filter shall have 6" 150lb raised face flanged inlet and outlet connections for filtering up to 660 gpm. The filter will be supplied with a 120 micron stainless steel fine screen. The minimum fine screen open area shall be 648 in<sup>2</sup>. The filter has a maximum operating pressure of 150 psi.
2. Automatic Self-Cleaning Rinse Cycle
  - a. The filter shall be completely self-cleaning, and the cleaning cycle shall be powered by line pressure only. No external pneumatic or electric power is required, and continuous system flow shall be maintained during the rinse cycle.
  - b. A rinse cycle shall be initiated by the control system based on differential pressure, by timer, or by local manual action. A dirt collecting assembly shall sweep the entire screen area to remove accumulated particles and send them to a waste drain through a 1 1/2" Stainless Steel electric ball rinse valve.
3. Approved manufacture, Orival model ORG-060-LE

#### **442.3.8 Flow Meter:**

A flow meter is to be installed providing the pump station flow rate through the operator interface. The flow sensor is to be a Magnetic style flow meter, which provides a low impedance signal proportional to the flow. The accuracy shall be plus/minus 2% of actual flow range. A flow meter run is included with a minimum of 5 pipe diameters straight run upstream and 2 pipe diameters downstream for proper meter accuracy. The diameter of the flow meter run pipe shall be sized per the installation Manual. Flow meter shall send an analog signal to station logic controller and a pulse output to the irrigation controller. Flow meter shall be Badger Meter brand model # M2000.

#### **442.3.9 Valves:**

1. Pump isolation valves shall be full lug style butterfly valves for 3" and above. Valves body shall be of ductile iron. Valves shall be rated for 200 PSI operating pressure. Valve shall have a nickel plated cast iron disc and stainless steel shaft.
2. Check valve shall be wafer style 3" and above and incorporate a center guided, spring loaded disc and having a short linear stroke that generates a flow area equal to the nominal valve size.

#### **442.3.11 Gauges:**

Pressure gauges shall be supplied for Suction and Discharge system pressures. All gauges shall be glycerin filled stainless steel bottom mounted. Accuracy shall be within 1.5%. Gauges shall be 2-1/2" minimum with pressure ranges at least 30% higher than highest-pressure attainable from pumps at shutoff head conditions.

#### **442.3.12 Electrical:**

Pump station electrical wiring is to conform to National Electrical Code and U.L 508A standards. All wiring from control panels to motors is to use UL listed, water tight flexible conduit with copper conductors rated not less than 600 volts and of proper size to carry the full load amperage of the motors without exceeding 80% capacity of the conductor. A grounding cable sized to National Electrical Code requirements shall be included in the flexible conduit. There shall be no splices between the motor starters and the motor connection boxes. Wiring to flow sensors, and pressure transducer is

multi-conductor, shielded cable suitable for Class II low voltage controls.

#### **442.3.13 Electrical Disconnect:**

A three-pole fused electrical rotary disconnect is to be installed within the control panel. Disconnect shall remove power from all components within the panel.

Third Party Listing required for the following:

- |                      |                                         |
|----------------------|-----------------------------------------|
| • Starting Equipment | U.L. Listed Industrial Control Device   |
| • Controls           | U.L. Listed Industrial Control Assembly |
| • Pump Station       | U.L. Listed Packaged Pumping System     |

Provide complete instrumentation and controls to start and stop the pumps automatically. Full alarms and safety features needed to protect the equipment and piping systems shall be included.

#### **442.3.14 Control Enclosure:**

Controls shall be housed in a Type 4 enclosure with integral latches. The control enclosure shall be constructed of 12-gauge steel and the back-plate assembly shall be constructed of 12-gauge steel. All indicating lights, reset buttons, selector switches and operator interface shall be mounted on the front door of the panel. All internal components shall be mounted upon and secured to the removable back plate assembly and rated UL508A.

#### **442.3.15 Control Power:**

Power for the controls shall be provided by a control power transformer, which shall provide 120 Volt, single-phase power for the pumping system control operation. The control power transformer shall be protected on the primary side by control limiting fuses of adequate size and voltage rating.

#### **442.3.16 Starting Equipment:**

- a. Each Motor starter shall be Variable speed drive with PWM.
- b. Activated by drop in pressure or Pump Start Relay.

#### **442.3.17 Controls and Enclosure:**

The pump station manufacturer shall build the complete control panel in accordance with the NEC and be so authorized under UL508A. All equipment and wiring shall be mounted within the enclosure and each device shall be labeled for proper identification. All adjustments shall be performed from the front of the control enclosure. A complete wiring circuit diagram and legend with terminal components and wiring completely identified shall be provided.

#### **442.3.18 Individual Motor Alarms:**

Individual motor phase failure and low voltage safety circuitry shall retire any pump that experiences low voltage, phase failure or phase unbalance as monitored at the load side of each pump motor Variable Frequency Drive. Each pump motor shall have its individual protective devices and time delay to allow for transient low voltage during



motor starting providing maximum motor protection.

**442.3.19 Touch Screen:** Shall have the ability to read Munro stand alone software and shall include the following features:

- Individual pump run indication (digital readout)
- Hand/Off/Automatic positioning indicator
- Keypad Alarm reset button
- 7" Screen
- 64K color TFT
- CCFL with dimming
- 24 Volts power required.
- Communication ports (10/100Mbit/ USB Host, USB Device, RS485/RS422 25 –pin D-sub and Ethernet using a static IP address Using DSL or Wireless connection. IP address to provided by owner Prior to shipping.
- Real Time Clock

**442.3.20 Variable Frequency Drive:**

Variable Frequency Drive shall be a Yaskawa A-1000 Industrial Type with Munro custom programing embedded into the software of the drive from the factory. All program parameters shall be accessible through the LCD operator which makes the operation of the pump station simple and with clarity. The drive shall also have the ability to be started with 24volts or pressure drop without any additional assistance from the factory. The VFD's shall respond to the system pressure automatically using the PI controller imbedded in the VFD without any special programming. Using external PID controller via a PLC is not acceptable.

The VFD's shall also include the following.

- a. VFD's shall be derated for the following.
  1. 480vac
  2. Service factor amps of each motor.
  3. Rated to run at 10,000 feet in elevation.
  4. Ambient temperatures to 110 degrees
- b. Standard Features (adjustable):
  1. Motor Parameters.
  2. Acceleration and deceleration rates
  3. Maximum speed.
  4. Set point settings for PI controller.
  5. Overload, over temperature, ground fault and phase loss protection
- c. Custom Software.
  1. Sleep Activate Level
  2. Sleep on level
  3. Sleep de-activate level
  4. Sleep de-activate time
  5. Feedback detection level high

6. Feedback high fault time
7. Feedback detection level low
8. Feedback detection level low on delay time
9. Feedback detection hysteresis
10. PID Minimum speed
11. Loss of Prime
12. Loss of Prime Delay

Every main motor on the pump station is started with individual Variable Frequency drives in the following manner:

1. The jockey pump cannot maintain system pressure at the set-point, Each successive pump shall start via flow and operate independently with its own adjustable PID setpoint.

**442.3.21 Surge Suppression:** Surge suppressor is to meet or exceed the following criteria:

- Minimum single impulse current rating: 80,000A per phase.
- Duty cycle testing: 2,500 10KA impulses with < 10% drift.
- Response time: <5ns.

Suppressors are to be constructed of solid-state components and operate bi-directionally. Minimum continuous operating voltage of the suppressor is to be greater than 110% of the nominal system voltage.

**442.3.22 Secondary Control Circuit:**

Appropriately rated single-pole secondary distribution circuit breakers or fuses are to supply power to pump starter coil circuits, the control system and to other circuits as specified.

**442.3.23 Pump Base and Piping:**

Structural steel and supports shall be grit blasted to a near white metal condition. The clean steel surfaces shall immediately powder coated to a thickness of no less than 3 mils. Color shall be Cardinal brand BG-16.

**442.4 CONSTRUCTION REQUIREMENTS:**

**442.4.1 Testing Requirements:**

The complete Pump Station will be fully assembled and tested to capacity. Any calibrations required will be performed during this factory test. All electrical amp draws and calibration / control settings will be recorded in the operation manual test section.

The complete pumping system shall operate without undue vibration throughout the range of operating conditions. The unit shall be given a running test of normal start and stop conditions under load. Any defects shall be corrected and adjustments made at the expense of the manufacturer. Test shall be repeated until satisfactory results are obtained and operation is deemed satisfactory.

#### **442.4.2 On-Site Pump Installation:**

The contractor shall prepare the concrete pump base and the supply water lines with all required backflow units. The pump manufacturer shall deliver the pre-assembled and tested pump system to the project site. The contractor shall provide equipment to off load the pump system as approved by the pump manufacturer. The contractor shall install the pump per plans, details and these specifications. The contractor shall notify the pump manufacturer two weeks prior to pump start up to allow the manufacturer to be on site to start the pump and perform a full system check to ensure that the pump is operating properly.

Technical start up procedures shall include the following:

- (i) Station start up and pressurization.
- (ii) Pressure flow and programming adjustments to demonstrate that station delivers to specified flow and volume quantities.
- (iii) Demonstration of pump safety features.
- (iv) Operation from irrigation controller.
- (v) Training.

#### **442.4.3 Training Requirements:**

The pumping system manufacturer shall provide one (1) full day training session for the end user on proper operation of the pumping system. The training will be performed on the actual installed equipment after such time as installation, startup, and calibration have been completed.

#### **442.4.4 Clean-Up:**

Contractor shall remove all debris created and completely clean up the site.

#### **442.4.5 Close Out Items:**

Operation and maintenance manuals: One (1) set of operation and maintenance manuals shall be furnished at time of acceptance.

Tools and Spare Parts: Prior to acceptance of the project, supply to the Owner the spare parts indicated in the construction documents. Spare parts shall include but not be limited to the following:

- operating keys
- other items indicated on the drawings.

#### **442.4.6 Other Materials:**

Install other materials or equipment shown on the drawings or installation details to be part of the pumping system, even though such items may not have been referenced in these specifications.

#### **442.4.7 Guarantee/Warranty and Replacement:**

The purpose of this guarantee/warranty is to ensure that the Owner receives materials of prime quality, installed and maintained in a thorough and careful manner.

1. The manufacturer shall warrant the pumping system to be free of defects and product malfunctions for a period of two years from date of startup.
2. Failures caused by lightning strikes, power surges, vandalism, flooding, operator abuse, or acts of God are excluded from warranty coverage.
3. Repair damage to the premises caused by a defective item. Make repairs within seven days of notification from the Owner's Representative.
4. Contract documents govern replacements identically as with new work. Make replacements at no additional cost to the contract price.

#### **442.5 MEASUREMENT:**

The item Irrigation Booster Pump System will be measured as per Lump Sum complete and in place.

#### **442.6 INSTALLATION:**

1. The pump station bid shall include a turn-key price to properly install and start-up the new pump station. The pump station will need to be lifted off the freight carrier's flatbed truck and set onto the new pump station concrete pad. The concrete pad for the pump station shall be performed by others. The pump station bid shall include crane charges to properly set the pump station and all electrical charges to connect the required 480v 3-phase power supply to the pump station. Once the pump station is set, the contractor shall successfully install the required suction intake pipe and self-cleaning intake screen service line.
2. The pump station suction intake pipe shall be made up of 8" DR 17 HDPE pipe fused together for proper installation. The intake pipe shall be a minimum of 60' long in length from the pump station to the self-cleaning intake screen. The intake length may vary once the actual pump station location is determined.
3. The 8" HDPE pump station intake pipe shall be suspended from the bottom of the pond by utilizing a floating device. The intake screen shall be set a minimum of 2' off the bottom of the lake.
4. The intake pipe system shall include a separate 1" CL200 PVC pipe system that connects from the pump station to the self-cleaning intake screen located at the foot valve of the intake network. The total length of 1" PVC pipe will be a minimum of 80' long.
5. A separate 2" PVC pipeline shall be installed from the auto flush filtration system leading back into the pond so the filtration system can properly flush back into the pond.

6. The contractor shall install 4 – 14 gauge signal wires leading from the pump station to the existing submersible pump station currently used to recharge the irrigation pond.

#### **442.7 PAYMENT:**

Payment will be made for the Irrigation Booster Pump System complete in place as shown on the drawings. Payment for pump system mechanical system as shown on the drawings shall be made on the basis of the price bid per Lump Sum complete and in place and including all mechanical components, fabrication of concrete pad, electrical connections, training, start-up, guarantee/warranty and other items as described, detailed and specified herein and on the project plans.

The pump station and suction intake assembly shall be installed and fully operational by September 16, 2022.

#### **REQUIREMENTS:**

1. Successful bidder must provide a copy of a current State of West Virginia Contractor's License.
2. Worker's Compensation: Successful Bidder is to provide proof of a current Workers' Compensation Policy.
3. Successful bidder is required to submit proof of a minimum one million dollar per occurrence commercial general liability insurance policy with the Kanawha County Commission and the Kanawha County Parks & Recreation Commission named as additional insureds. The Certificate of Insurance shall contain a provision that coverage afforded will not be canceled without at least sixty (60) days prior written notice given to the Kanawha County Commission and the Kanawha County Parks & Recreation Commission.
4. Standards of Quality and Codes: All work, labor, materials and equipment specified, constructed and installed are to be of first-class quality. To help insure this occurs, all work and equipment designed and specified shall conform to the latest applicable codes and standards:
  - A. Building Officials & Code Administrators (BOCA)
  - B. American Society of Testing Materials (ASTM)
  - C. American National Standards Institute (ANSI)
  - D. National Fire Protection Association (NFPA)
  - E. National Electric Code (NEC)
  - F. American Standard Safety Code for Elevators

All work must also have the approval of all West Virginia governmental authorities and agencies having jurisdiction over the project including, but not limited to, West Virginia Division of Labor, the West Virginia State Fire Marshall, City of Charleston Fire Prevention Bureau and the National Fire

Protection Association.

Submit to the Kanawha County Parks & Recreation Commission, 375 Henry C Hoppy Shores Drive, Charleston, WV 25302, copies of permits, licenses, certifications, inspection reports, releases, notices, receipt for fee payments, correspondence and records established in conjunction with compliance with standards and regulations bearing upon performance of work.

5. **Safety & Job Site Requirements:** All Federal Occupational Safety & Health Administration Regulations must be followed by all contractor personnel while performing work for the Kanawha County Commission. All work as described or required shall be executed in neat, skillful, workmanlike manner in accordance with best recognized trade practices.

Only competent workmen who satisfactorily perform their duties shall be employed on this project. Contractor shall discharge and shall not re-employ on this project, any person who is disorderly, dangerous, insubordinate, incompetent or otherwise objectionable or who uses alcohol or illicit drugs on the job site.

6. **Asbestos Containing Materials:** Asbestos inspections and any subsequent abatement are the responsibility of the Kanawha County Parks & Recreation Commission.

#### **TERMS & CONDITIONS:**

1. No bid will be accepted or opened on any County contract if the vendor is listed on the last published list of delinquent real or personal property taxes in Kanawha County; however, the Commission will accept bids by vendors who provide satisfactory proof of payment of current taxes or a certification from the Sheriff that no taxes are due prior to submission of said bid.
2. For the Owner's Record, submit copies of permits, licenses, certifications, inspection reports, releases, notices, receipt for fee payments, correspondence and records established in conjunction with compliance with standards and regulations bearing upon performance of work.
3. **Rejection of Bids:** The Kanawha County Commission reserves the right to reject any and/or all bids and to waive any informality in bidding.