



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 DNRB12108

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 FRANK WHITTAKER
 304-558-2316

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

DIVISION OF NATURAL RESOURCES
 PARKS & RECREATION SECTION
 324 4TH AVENUE
 SOUTH CHARLESTON, WV
 25303-1228 304-558-3397

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/27/2012				

BID OPENING DATE: 03/15/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 1 *****						
THIS ADDENDUM IS ISSUED TO:						
1) PROVIDE THE ATTACHED PRE-BID CONFERENCE NOTES.						
2) PROVIDE THE ATTACHED TECHNICAL CLARIFICATIONS.						
3) PROVIDE THE ATTACHED MANDATORY PRE-BID SIGN IN SHEET						
***** END ADDENDUM NO. 1 *****						
0001	1	LS	968-42	GENERAL CONSTRUCTION		
***** THIS IS THE END OF RFQ DNRB12108 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**Canaan Valley Resort State Park
Ski Area Improvements Project
Contract 4 – Snow Making System Improvements
Requisition DNRB12108
Addendum No. 1
February 23, 2012**

1. List of attendees of the pre-bid meeting are attached.
2. Notes from pre-bid conference are attached.
3. Technical Clarifications are attached.
4. The time of completion is 180 days. All work shall be completed and ready for testing no later than November 30, 2012. Equipment testing shall commence as soon thereafter as weather permits.

5. Pre-Bid Meeting Corrections / Clarifications:

The following represent additional clarifications or corrections to items discussed at the pre-bid meeting which is contained in the pre-bid conference notes. The information listed below will be the official interpretation and part of the contract documents as part of this addendum.

Q. Will the pipe and snow gun be furnished by the Owner?

A. No pipe will be furnished by the Owner. The Contractor will supply new snow guns and hydrants as well as be responsible for refurbishing existing snow guns, and connecting existing hydrants to new air and water pipes. Specific quantities and requirements are contained in the project manual.

Q. How will the work by other contractors in the ski school area be coordinated with work of this contract?

A. Refer to sheet 00 for sequence of construction notes. The Contractor shall coordinate the installation of this work with the work of other Contractors. The Contractor shall fine grade, seed, and mulch and otherwise repair finished work of other Contractors where disturbed. Contractor shall use seed mix as designated by the Architect.

Q. Is there a line item for the pump house renovation?

A. No. The cost of the pump house renovations shall be included in the total Base Bid amount. ***The contract will be awarded based on the Total Base Bid. The Total Base Bid should incorporate the entire cost of work and does not necessarily have to be the sum of the unit price items listed above. The unit price items will serve as adjustment in the Contract Sum should estimate quantities differ from actual installed quantities.***

6. Roof work shall require a 2-year maintenance bond.
7. Blasting shall be permitted in accordance with Specification Section 02210, paragraph 3.1.E.

Contract 4 – Snow Making System Improvements
Addendum No. 1
Page 2 of 2

8. Questions received by bidders and corresponding answers are listed below.

Q. How should the 12" bore and jack be priced?

A. The 12" bore and jack is included in the total base bid amount. Refer to questions and answers of item 5 above.

Q. How should the removal of existing valve and vault be priced?

A. removal of existing valve and vault is included in the total base bid amount. Refer to questions and answers of item 5 above.

Q. Since this is a State owned project, is this project exempt from state sales tax?

A. No. State sales taxes DO apply.

9. Bidders should indicate receipt of this addendum in the space provided on the Request for Quotation.

-- end of addendum --

**Canaan Valley Resort State Park
Ski Area Improvements Project
Contract 4 – Snow Making System Improvements
Requisition DNR B12108**

**Pre-Bid Conference Notes
February 16, 2012**

1. Debbie Demyan reviewed bidding requirements, emphasizing the following:
 - Mandatory pre-bid, bidders must sign in.
 - Reviewed instruction to bidders. Bidders must follow bidding requirements of the RFQ.
 - Reviewed bid opening date, time and place.
 - Reviewed procedure for issuing addenda.
 - Reviewed insurance and bond requirements.
 - Reviewed Owner's line of contract administration authority.
 - Reviewed contract completion time.
 - Reviewed liquidated damages.
 - Reviewed process for requesting substitutions. Requests must come from bidders attending the pre-bid conference and should be submitted to Frank Whittaker.
2. The deadline for technical questions is February 22, 2012. Technical questions must be submitted to Frank Whittaker.
3. Joe Bird reviewed the technical aspects of the project and reviewed the bid form.
4. The following questions and answers were discussed:

Question: Can U.S. ductile iron pipe be substituted for the steel pipe specified?

Answer: Substitution requests will be considered if properly submitted before the deadline for technical questions.

Question: How will the work by other contractors in the ski school area be coordinated with work of this contract?

Answer: It is likely that the snow making system for the new ski school/beginners slope area will need to be the last part of the contract performed. Coordination with other contractors will be required. The issue will be addressed by addendum.

Question: Can the electrical work be in the same trench as the piping?

Answer: Specification Section 02669, Snow Making Systems, paragraph 3.1.2.d indicates that secondary wiring can be placed in the same trench as the piping with a 12-inch separation and warning tape over the electrical line.

Question: Will blasting be permitted?

Answer: This will be addressed by addendum.

Pre-Bid Conference Notes
February 16, 2012
Page 2 of 2

Question: Is tree removal required?

Answer: Most of the work is outside of tree lines; however, if tree removal is required to perform the work of the contract, the Contractor shall be responsible for the cost of tree removal.

Question: What is the distance from the tree line to the pipe line installation.

Answer: Existing and new hydrants are located near the tree line. New snow making piping is located nominally 20 feet from the hydrants.

Question: Is there a line item for the pump house renovation?

Answer: This will be addressed by addendum.

Question: Will the pipe and snow gun be furnished by the Owner?

Answer: No, all pipe, snow guns, and any other materials required for the project shall be furnished and installed by the Contractor.

5. At the conclusion of the pre-bid conference, the bidders declined the offer to tour the project site because it is currently snow covered.

-- end of meeting notes --



WEST VIRGINIA DIVISION OF NATURAL RESOURCES
CANAAN VALLEY STATE PARK
SNOW MAKING SYSTEM IMPROVEMENTS
TUCKER COUNTY, WEST VIRGINIA

CONTRACT NO. 4

FEBRUARY 23, 2012

TECHNICAL CLARIFICATIONS

A. GENERAL

1. The bore and jack road crossing shown on sheet SM2 is crossing a WV DOH road. The Right-of-Way width is 30'. The owner has obtained a permit from the WV DOH for the work. The contractor will be required to coordinate with and contact the WV DOH prior to work within the R/W.
2. Magnesium anodes as noted throughout the drawings and specifications will NOT be required where the Contractor elects to utilize DIP mains. Anodes WILL be required where the Contractor elects to utilize Steel air mains.

B. SPECIFICATIONS

1. Replace Paragraph D of specification section 01150, 1.2 with the following:

All incidental costs required for a complete and operational snowmaking system which are not specifically called out in the Form of Proposal shall be included by the Contractor in the total cost of the Bid. Such items include, but are not limited to, work indicated on the plans and specifications, sediment and erosion control measures, dewatering, bypass pumping and flow control, temporary facilities required to maintain service, coordination with local authorities and utility owners, disposal of excess materials, etc.

2. Remove paragraph C from specification section 11220, 1.4 in its entirety.

3. Replace paragraph A in specification 11220, 2.4 with the following:

Provide hand wheel geared operators with position indicators for all butterfly valves.

4. Replace item 3.1-2.g of specification section 02669 with the following:

Final backfill elevation over the piping shall be, at minimum, flush with existing grade and shall not exceed a maximum of 6" crown above grade and free of rocks greater than 6" diameter.

5. Replace item 2.1-B-4 of specification section 02210 with the following:

All material shall be less than 3" in size.

6. Remove, replace, or edit items as indicated in specification 16420 as follows:

Remove item 2.4-I-2 in its entirety.

Remove item 2.4-K in its entirety.

Remove item 2.4-M in its entirety.

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Add the following to item 2.4-Q:
Readouts may be part of manufacturer supplied keypad/display

Replace item 2.4-R with the following:
Integral Disconnecting Means: NEMA KS 1, non-fusible switch with lockable handle.

Remove item 2.6-C in its entirety.

Replace item 2.6-E with the following:
Elapsed Time Meters: Heavy duty with analog readout in hours.

Remove item 2.4-F in its entirety.
Remove item 2.4-G in its entirety.

Add the following to items 2.4-H and 2.4-I:
Provide external relays only if features are NOT integral to the Variable Frequency Drive.

7. Replace item 2.2-A of specification section 16442 with the following:

Enclosures: Surface-mounted cabinets as indicated. NEMA PB 1, Type 3R or 4 for Damp or Wet Locations.

8. Add the following as item 2.1-3 to specification section 02669:

Acceptable Alternate Water Pipe Materials: Ductile-Iron Snow Pipe 4 Inches and Larger: Pipe-Class PN40, rated for pressures up to 580 psi.

- A. *Manufacturer: Snow Pipe-Division of US Pipe or engineer approved equal*
- B. *Interior Lining: Cement mortar with asphalt coating, NSF-61 approved.*
- C. *Exterior Coating: Asphalt*
- D. *Gasket: VRS-T rubber gasket*
- E. *Joints: VRS-T restrained joint compatible with pressures seen in PN40 Pipe. Consists of ductile iron locking segments, inserted through a slot in the bell face, providing a positive axial lock between the bell interior surface and a weld bead on the spigot end of the pipe and provides 5° angular deflection. VRS-T joint clamping rings acceptable for use only on filed cut ends.*
- F. *Fittings shall be of same material, pressure classification, lining, and joint as pipe.*
- G. *Transition to 2" steel laterals shall be via factory installed 2" threaded outlet, or 2" side outlet tee and 2" PE plug with 2" NPT threaded outlet.*
- H. *Should the Contractor elect to utilize alternate pipe materials, they shall provide all necessary transition materials to connect to existing steel mains where indicated on the drawings. Materials shall be specifically designed for DIP to steel transitions and rated for a working pressure at least that of the pipe. Transition fittings and specials may, at the Engineer's discretion, require 10 mil polyethylene encasement per ANSI/AWWA C105/A21.5 where materials are not asphalt coated with SS hardware.*
- I. *Pipe may be utilized below grade, in valve houses, or pump station.*

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CONSTRUCTION
SIT DEVELOPMENT
ENVIRONMENTAL ENGINEERING
LANDSCAPE ARCHITECTURE
SURVEYING

9. Add the following as item 2.1-4 to specification section 02669:

Acceptable Alternate Air Pipe Materials: Ductile-Iron Snow Pipe 4 Inches and Larger; Pipe-Class PN40, rated for pressures up to 580 psi.

- A. *Manufacturer: Snow Pipe-Division of US Pipe or engineer approved equal*
- B. *Interior Lining: Asphalt*
- C. *Exterior Coating: Asphalt with PE 70 Epoxy at all gasket mating surfaces.*
- D. *Gasket: VRS-T rubber gasket*
- E. *Joints: VRS-T restrained joint compatible with pressures seen in PN40 Pipe. Consists of ductile iron locking segments, inserted through a slot in the bell face, providing a positive axial lock between the bell interior surface and a weld bead on the spigot end of the pipe and provides 5° angular deflection. VRS-T joint clamping rings acceptable for use only on filed cut ends.*
- F. *Fittings shall be of same material, pressure classification, lining, and joint as pipe.*
- G. *Transition to 2" steel laterals shall be via factory installed 2" threaded outlet, or 2" side outlet tee and 2" PE plug with 2" NPT threaded outlet.*
- H. *Should the Contractor elect to utilize alternate pipe materials, they shall provide all necessary transition materials to connect to existing steel mains where indicated on the drawings. Materials shall be specifically designed for DIP to steel transitions and rated for a working pressure at least that of the pipe. Transition fittings and specials may, at the Engineer's discretion, require 10 mil polyethylene encasement per ANSI/AWWA C105/A21.5 where materials are not asphalt coated with SS hardware.*
- I. *Pipe may be utilized below grade, in valve houses, or pump station.*

10. Add the following as item 2.1-5 to specification section 02669:

Lateral Piping & Fittings (2" diameter): API 5L Grade X24 or ASTM Grade A53B. Pipe shall be Schedule 40. Fittings and connectors should be Extra Heavy wall thickness and may be welded or threaded. ALL THREADED CONNECTIONS, INCLUDING CONNECTIONS TO MAINS, SHALL BE PROTECTED WITH 10-MIL POLYETHYLENE ENCASEMENT PER ANSI/AWWA C105/A21.5.

SOLE SOURCE APPROACH SOLID DELIVERY REPORT DESIGN DEVELOPMENT ARCHITECTURE INTERIOR DESIGN CIVIL ENGINEERING SANITATION ENGINEERING ENVIRONMENTAL ENGINEERING ELECTRICAL ENGINEERING

11. Replace specification section 02669-3.1-6 with the following:

Testing

- a) *As sections of the steel air and water piping, or DIP air piping, system have been completed, they shall be pneumatically tested by the Contractor. The pneumatic test pressure shall be 110 psig. The Contractor shall supply all instruments and materials necessary to complete these tests. Tests shall be performed by plugging the end of each lateral prior to attaching hydrants.*
 - i. *The test pressure shall be held for at least 8 hours at relatively constant ambient temperature with no more than a 4 psig drop in gauge reading.*
- b) *DIP water main piping shall be hydrostatically tested. The pipes may be filled by utilizing the existing pumps in the compressor building. The Contractor shall provide necessary gauges, measuring device, pump, etc. to perform test.*
 - i. *Test pressure shall not vary by more than +5 psi for the duration of the test. Test duration shall be for a minimum of 2 hours each test section.*
 - ii. *Completely expel all air from piping to be tested.*
 - iii. *Leakage shall be defined as the quantity of water that must be supplied into the newly laid pipe or any valved section thereof to maintain pressure within 5psi of the specified test pressure after the pipe has been filled with water and the air expelled. Leakage shall not be measured by a drop in pressure in a test section over a period of time.*
 - iv. *Pressure test shall not exceed 250 psi at the summit of the mountain, nor working pressure of the pipe (580 psi) at any point on the pipeline. Coordinate testing locations with Engineer for specific section test pressures.*

Allowable Leakage per 1,000 LF of DIP

Pipe Diameter, Inches:	4	6	8	10	12
Gallons Per Hour:	.56	.84	1.12	1.4	1.69

12. Edit specification section 02669-2.5 as follows:

200 HP VFD with Nema Type 2 Wall mount enclosure

13. Add the following as item 2.5-3 to specification section 02669:

Refer to specification section 16420 for enclosure, accessory, and additional requirements.

C. DRAWINGS

1. Drawings SM4, SM5, and SM6. Replace notes 3, 4, and 7 with the following:
 3. All butterfly valves to be raised face, wafer type w/ geared hand wheel operators.
 4. All pipe to be steel or DIP, per specifications.
 7. Air piping to be painted yellow. Water piping to be painted blue.
2. Add the following to Note 6 on Drawings SM4, SM5, and SM6.

Valve identification tags shall not be painted.
3. Add the following note to the 2" DRAIN ASSEMBLY DETAIL on Drawing SM7:

Welded steel threaded adapter to be carbon steel half coupling, X-heavy wall or Weldolet, or Engineer approved equal.
4. Drawing SME:
 1. *Unless specifically noted otherwise, all interior electrical components shall be as specified for "Wet or Damp Locations".*
 2. *Aluminum conductors will be permitted for circuits "C" from transformer to panel MP, MP-5, and MP-6. All other circuits shall utilize copper conductors.*

CHAPMAN TECHNICAL GROUP



Stephen M. Johnson, PE
Project Engineer

REVISIONS: 01/20/12 - 02/23/12

PRE-BID CONFERENCE
SIGN IN SHEET

Request for Quotation Number DN1812108 Date 2/16/2012 Park Canaan Valley Contract 4

PLEASE PRINT LEGIBLY. THIS INFORMATION IS ESSENTIAL TO CONTACT THE ATTENDEES IN A TIMELY MANNER. FAILURE TO DO SO MAY RESULT IN DELAYS IN YOUR COMPANY GETTING IMPORTANT BID INFORMATION.

<p>Firm Name: <u>Chapman Technical Group</u> Firm Address: <u>200 Sixth Avenue</u> <u>St. Albans, WV 25177</u></p> <p>Representative Attending: <u>TC Bird</u> Phone Number: <u>304-727-5501</u> Fax Number: <u>304-727-5580</u> Email Address: <u>tbird@chaptech.com</u></p>	<p>Firm Name: <u>JF Allen Company</u> Firm Address: <u>P.O. Box 2019</u> <u>Buckhannon, WV 26201</u> <u>RT 33 Red Rock Rd.</u></p> <p>Representative Attending: <u>Bryan Goldstein</u> Phone Number: <u>304-472-8590</u> Fax Number: <u>304-472-8597</u> Email Address: <u>bgoldstein@fallence.com</u></p>
<p>Firm Name: <u>Dorrelmar USA</u> Firm Address: <u>3160 W 500 S</u> <u>SALT LAKE CITY UT 84143</u></p> <p>Representative Attending: <u>John Dearber</u> Phone Number: <u>304-227-4779-801-973-7972</u> Fax Number: <u>901-973-9580</u> Email Address: <u>John.Dearber@DorrelmarUSA.com</u></p>	<p>Firm Name: <u>Danhill Construction Co</u> Firm Address: <u>P.O. Box 685</u> <u>Gawley Bridge WV 25935</u></p> <p>Representative Attending: <u>David Elsnick</u> Phone Number: <u>304 632-1600</u> Fax Number: <u>304 632-1501</u> Email Address: <u>rdanhill@holma.l.com</u></p>
<p>Firm Name: <u>PR0 Contracting</u> Firm Address: <u>Clarksburg 9424 River Drive</u> <u>96301</u></p> <p>Representative Attending: <u>Steve Lemons</u> Phone Number: <u>304-622-2400</u> Fax Number: <u>304-622-2410</u> Email Address: _____</p>	<p>Firm Name: <u>Jimmy Dunn Excavating</u> Firm Address: <u>P.O. Box 13335</u> <u>Charleston WV 25380</u></p> <p>Representative Attending: <u>M. Ke Hoffman</u> Phone Number: <u>304 984-3246</u> Fax Number: <u>304 984-0319</u> Email Address: <u>mkehoffman@jimmydunnexcavating.com</u></p>

PRE-BID CONFERENCE
SIGN IN SHEET

Request for Quotation Number DNR B12108 Date 2/16/2012 Park Canaan Valley Contract 4

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<p>Firm Name: <u>A.L.L. Construction, Inc.</u> Firm Address: <u>P.O. Box 232</u> <u>Mr. Stream, WV 26289</u></p> <p>Representative Attending: Phone Number: <u>Steve Sarna</u> <u>304 693-7131</u> <u>304 693-7189</u> Email Address: <u>all.estimator@roanoke.com</u></p>	<p>Firm Name: <u>Green River Group LLC</u> Firm Address: <u>PO Box 18039</u> <u>Morgantown, WV 26507</u></p> <p>Representative Attending: Phone Number: <u>Trey Gurtis</u> <u>304-203-4023</u> <u>304-594-3992</u> Email Address: <u>traygurtis@yghoc.com</u></p>
<p>Firm Name: <u>WVDNR Parklet Re.</u> Firm Address: <u>1200 Harrison Ave, Suite 222</u> <u>Filkins, WV 26221</u></p> <p>Representative Attending: Phone Number: <u>Dorothy Denney</u> <u>304-550-4892</u> <u>304-637-0300</u> Email Address: <u>Dobbe.D.Denney@wv.gov</u></p>	<p>Firm Name: <u>CANAN VALLEY STATE PARK</u> Firm Address: <u>WVDNR</u></p> <p>Representative Attending: Phone Number: <u>DON McFARLAN</u> <u>STAN BARBORG</u></p>
<p>Firm Name: _____ Firm Address: _____</p> <p>Representative Attending: Phone Number: _____ Fax Number: _____ Email Address: _____</p>	<p>Firm Name: _____ Firm Address: _____</p> <p>Representative Attending: Phone Number: _____ Fax Number: _____ Email Address: _____</p>