

**PUD NO. 1 OF SKAGIT COUNTY**

**JUDY RESERVOIR TO MOUNT VERNON TRANSMISSION PIPELINE  
PHASE 2**

**December 17, 2020**

**ADDENDUM NO. 1**

**To All Plan holders and/or Prospective Bidders:**

The following changes, additions, and/or deletions are hereby made a part of the project bid documents for the Judy Reservoir to Mount Vernon Transmission Pipeline Phase 2 and shall have the same effect as if set forth therein. Receipt of this Addendum must be acknowledged on your Bidder's Proposal form. Failure to acknowledge receipt of this Addendum may result in your bid proposal being disqualified.

**GENERAL CLARIFICATIONS**

**VOLUME 1 ITEMS – SPECIFICATIONS**

**A. Table of Contents Sheet TOC-2 – Incorrect page number references**

*Remove and replace TOC-2 with the corrected version as included in this Addendum.*

Added 8.1 Section 1-10 Temporary Traffic Control SGC-08

**B. INVITATION TO BID and INSTRUCTIONS TO BIDDERS**

**1. Bid Due Date and Time**

The due date and time for the bids has been changed. Sealed bids are to arrive no later than 10:00 AM, January 26, 2021. The bid opening will be held virtually through ZOOM Cloud Meetings no sooner than 10:01 AM on January 26, 2021.

The following is an updated Zoom meeting invite for the new bid date and time.

Join Zoom Meeting - Bid Opening - Judy Reservoir to Mount Vernon Transmission Pipeline, Phase 2 (Rev. Per Add. No. 1)

<https://skagitpud.zoom.us/j/83974112313?pwd=NjFZSHFPL09XT21UZlhCS0NkS1JmUT09>

Meeting ID: 839 7411 2313

Passcode: 529074

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*Remove and replace INVITE TO BID – 2 and INSTRUCTIONS – 2 – Section 4.01 with the pages included in this Addendum.*

2. The following paragraph shall be removed from INVITE TO BID - 4

This project is partially funded through both the Washington State Public Works Board (PWB) program with state funds and the Washington State Drinking Water State Revolving Fund (DWSRF) Program with federal funds from the U.S. Environmental Protection Agency, as such, both federal and state contracting provisions apply, including but not limited to Buy America requirements.

The removed paragraph shall be replaced with the following paragraph

This project is partially funded through both the Washington State Public Works Board (PWB) program with state funds and the Washington State Drinking Water State Revolving Fund (DWSRF) Program with federal funds from the U.S. Environmental Protection Agency, as such, both federal and state contracting provisions apply, including but not limited to American Iron & Steel requirements.

3. The following paragraph shall be removed from INSTRUCTIONS- 7, 11.01 BIDDER QUALIFICATIONS:  
“Further, the apparent low Bidder must submit the Required Bidders’ Supplemental Responsibility Statement and any other documentation listed below by 4:30 PM the day of the bid opening, unless the District, in writing, allows additional time.”  
And replaced with:  
“Further, the apparent low Bidder must submit the Required Bidders’ Supplemental Responsibility Statement and any other documentation listed below within 48 hours of bid opening, unless the District, in writing, allows additional time.”

#### C. SUPPLEMENTARY GENERAL CONDITIONS

1. The following shall be removed from section 3.2 on sheet SGC-4:

3.2 Add the following new Section 1-03.8 Award and Execution of Contract:

1-03.8(1) The Contract for the Project shall be awarded to the responsible Bidder submitting the lowest responsive Bid. The lowest responsive Bid shall be determined by the total of the amount of the base Bid and the amount(s) Bid for any alternate(s) which the Owner, in its discretion, elects to include in the Contract.

And replaced with:

3.2 Add the following new Section 1-03.8 Award and Execution of Contract:

1-03.8(1) The Contract for the Project shall be awarded to the responsible Bidder submitting the lowest responsive Bid as per the INSTRUCTIONS TO BIDDERS, Section 6.01 EVALUATION AND AWARD OF CONTRACT.

D. PROPOSALS – 23 shall be revised as follows:

1. Under STATEMENT OF BIDDER’S QUALIFICATIONS, the following statement shall be deleted “(All Supplementary Bidder Responsibility Criteria is to be submitted no later than 4:30PM on the day of the bid)” and replaced with:

“(All Supplementary Bidder Responsibility Criteria is to be submitted within 48 hours of bid opening, unless the District, in writing, allows additional time.)”

E. 02150 – BORED AND JACKED CASINGS

1. *Insert attached Specification section 02150 – BORED AND JACKED CASINGS.*

F. FENCING TYPE CALL OUTS

1. Clarification to bidders: Refer to individual restoration sheets 04C007 (Cann), 04C008 (Johnson), 04C009 (Cannon), & 04C010 (Thomson) for fencing type call outs in addition to those shown on the 01 and 02 series drawings.

#### OTHER ITEMS

G. REFERENCE DOCUMENTS

- a. The project reference documents are accessible for viewing or downloading alongside the Contract Documents from both Builders Exchange ([www.bxwa.com](http://www.bxwa.com)) and the Skagit PUD website ([www.skagitpud.org](http://www.skagitpud.org)). **The reference documents are not part of the contract documents and are for reference only.**

H. 12/8/20 PREBID MEETING MINUTES

- a. *Included in this addendum*

I. 12/8/20 PREBID & POST PREBID MEETING QUESTIONS AND ANSWERS

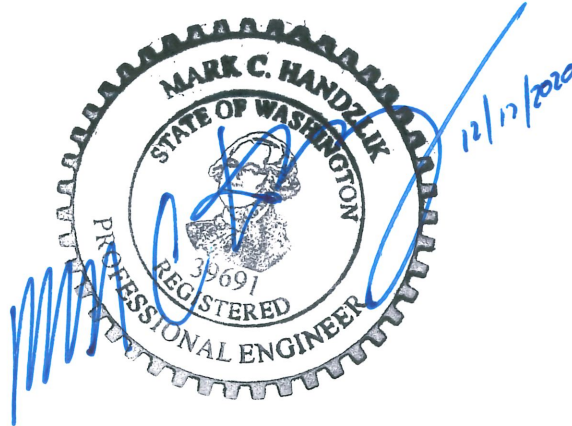
- a. *Included in this addendum*

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 in the Bid Form. Bid Forms submitted without acknowledgement will be considered in non-conformance.

The date and time of the bid submittal deadline has been moved to January 26, 2021 at 10:00 AM.

This Addendum consists of these four (4) pages and twenty (20) pages of attachments.

Mark Handzlik, P.E.  
PUD No.1 of Skagit County



**AGREEMENT**

Agreement	Agreement - 01
Indemnification Agreement	Agreement - 04
Certificate of Owner’s Attorney	Agreement - 05
Performance and Payment Bond	Agreement - 06
Certificate as to Corporate Seal	Agreement - 08

**GENERAL CONDITIONS**

General Conditions	GC - 01
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**SUPPLEMENTARY GENERAL CONDITIONS**

Supplementary General Conditions	SGC - 02
1 Order of Precedence	SGC - 03
2 Section 1-01.3 Definitions (APWA)	SGC - 03
3 Section 1-03 Award and Execution of Contract	SGC - 03
3.1 Section 1-03.4 Contract Bond	SGC - 03
3.2 Section 1-03.8 Award and Execution of Contract	SGC - 04
4 Section 1-05 Control of Work	SGC - 04
4.1 Section 1-05.0 Control of Work – General	SGC - 04
4.2 Section 1-05.4 Conformance With and Deviations From Plans and Stakes	SGC - 04
4.3 Section 1-05.10 Guaranties (APWA)	SGC - 04
5.0 Section 1-07 Legal Relations and Responsibilities	SGC - 04
5.1 Section 1-07.1 Owner Safe Access	SGC - 05
5.2 Section 1-07.6 Permits and Licenses	SGC - 05
5.3 Section 1-07.9 General Wages	SGC - 05
5.4 Section 1-07.18 Public Liability and Property Damage Insurance	SGC - 06
5.5 Section 1-07.26 Personal Liability of Public officers	SGC - 06
6 Section 1-08 Prosecution and Progress	SGC - 06
6.1 Section 1-08.5 Time for Completion (Contract Time) (APWA)	SGC - 06
6.2 Section 1.08.9 Liquidated Damages	SGC - 06
6.3 Section 1.08.10(2) Termination for Public Convenience	SGC - 06
7 Section 1-09 Measurement and Payment	SCG - 06
7.1 Section 1-09.4 Equitable Adjustment	SGC - 06
7.2 Section 1-09.6 Force Account	SGC - 07
7.3 Section 1-09.11(3) Time Limitations and Jurisdiction	SGC - 07
7.5 Section 1-09.14 Claims Against Contractor’s Retainage and/or Public Contract Bond	SGC - 07
8.1 Section 1-10 Temporary Traffic Control	SGC - 08

**TECHNICAL SPECIFICATIONS**

DIVISION 00 – Procurement and Contracting Requirements	
00950	State and Federal Funding Requirements
DIVISION 1 - General Requirements	
01010	Summary of Work
01012	Reference Material
01025	Measurement and Payment
01060	Permits and Regulatory Requirements and Easements
01070	Abbreviations of Institutions
01090	Reference Standards

## INVITATION TO BID

Notice is hereby given that Public Utility District No. 1 of Skagit County (District) will receive sealed Bids for the **Judy Reservoir to Mount Vernon Transmission Pipeline – Phase II**. Each bid shall be placed in a sealed envelope and shall be mailed or delivered to the District office, 1415 Freeway Drive, Mount Vernon, Washington 98273, to arrive no later than 10:00 AM, January 26, 2021. In person meetings are suspended; therefore, the bid opening will be held virtually through ZOOM Cloud Meetings no sooner than 10:01 AM on January 26, 2021. The web link, meeting ID, and passcode listed below, are also posted on the District’s website at [www.SkagitPUD.org](http://www.SkagitPUD.org).

Join Zoom Meeting - Bid Opening - Judy Reservoir to Mount Vernon Transmission Pipeline, Phase 2  
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### **Judy Reservoir to Mount Vernon Transmission Pipeline – Phase II.**

1. Installation of water transmission and distribution piping and services within right-of-way and private property within the city of Mount Vernon and unincorporated Skagit County.
2. The water transmission pipeline is 36 inches in diameter and is approximately 5.3 miles long.
3. The Work will consist of the following elements:
  - a. Layout and staking of all features under this Contract.
  - b. Clearing and grubbing of the corridor.
  - c. Mobilization and preparation of site and supporting utilities for Contactor and District field office facilities. Includes removal of facilities and restoration of property.
  - d. Removal of structures.
  - e. Installation, maintenance, and removal of temporary erosion control measures.
  - f. Installation and removal of temporary bypass systems for streams.
  - g. Potholing of existing utilities.
  - h. Installation and maintenance of temporary traffic control measures.
  - i. Installation of approximately 5.3 miles of 36-inch-diameter water transmission pipeline.  
Of the approximately 5.3 miles of water transmission pipeline:

### 3.03 BID DOCUMENTS

The Bid Documents for the Project include the following:  
Project Manual including general and technical specifications.  
Washington State Department of Transportation Standard Specifications (2020 Edition)  
Contract Drawings.  
Skagit PUD Design Standards and Details.  
WSDOT Standard Plans for Road, Bridge and Municipal Construction

### 4.01 BIDS

The project will be awarded based on the lowest responsive responsible Bidder. Bids shall be made on the forms included herewith and shall be addressed to the Public Utility District No. 1 of Skagit County, 1415 Freeway Drive, Mount Vernon, Washington 98273. Each Bid shall be placed in a sealed envelope and shall be mailed or delivered to the Public Utility District No. 1 of Skagit County, to arrive no later than 10:00 AM on January 26, 2021. In person meetings are suspended; therefore, the bid opening will be held virtually through ZOOM Cloud Meetings no sooner than 10:01 AM on January 26, 2021. No Bid may be withdrawn after the time set for the Bid opening or before award and execution of the contract unless the Owner does not award the contract within sixty (60) calendar days after the opening of Bids. The web link, meeting ID, and passcode listed below, are also posted on the District's website at [www.SkagitPUD.org](http://www.SkagitPUD.org)

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### 5.01 BID DEPOSIT

As a guarantee of good faith and as required by law, each Bid shall be accompanied by a Bid Deposit in the form of certified check, cashier's check, postal money order, or surety bond payable to the order of the "Public Utility District No. 1 of Skagit County" for an amount not less than 5 percent of the total amount of the Bid, including all potential additions and alternatives, but not including sales tax. If a surety bond is to be used as the bid deposit, the document included with the bid submission must have original

**SECTION 02150**  
**BORED AND JACKED CASINGS**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. This Section specifies jacked casings, installation of carrier pipe in the casing, and installation of end seals. Work includes jacking of casings up to 48 inches in diameter for the water transmission pipeline and 18 inches in diameter for the water distribution line.

**1.2 QUALITY ASSURANCE**

- A. Qualifications:
1. Jacked Casing Contractor:
    - a. On all shifts, use the firm(s) determined acceptable as part of Section 00305 in the bid evaluation.
    - b. Utilize competent site safety representative and personnel responsible for confined space entry that have appropriate training and experience to meet Washington State Department of Labor & Industries' definition of a competent person.
  2. Pipe Jacking Welder and Welding Procedure to be Qualified:
    - a. Certified under the provisions of AWS D1.1. When qualified, use an independent local approved testing agency not more than six months prior to commencing work on the casing or pipeline unless continuously employed in similar welding jobs since last certification.
    - b. In qualification tests, use machines and electrodes similar to those to be used in the work. Furnish all material and bear the expense of qualifying welders.
    - c. Welding procedures: Longitudinal and girth or special welds for pipe cylinders, casing joint welds, reinforcing plates, and grout coupling connections.
  3. Surveyor:
    - a. The surveyor responsible for line-and-grade control shall be a licensed surveyor registered in the state of Washington who has experience with similar projects and a minimum of three years of experience with underground construction.

**1.3 SUBMITTALS**

- A. Procedures: Section 01300.
- B. Qualifications:
1. Pipe Jacking Welder.
  2. Surveyor.
- C. Jacked Casing Plan for each jacked casing crossing.
- D. Certification that the jacking reaction frame and support and excavation support system design are constructed as designed by responsible Professional Engineer prior to loading of the excavation support system.
- E. Reports and Records.
- F. Casing Pipe:
1. Product information, including diameter, thickness, and class for each jacked casing crossing.
  2. Mill certificates of the physical and chemical properties of steel casing.
- G. Casing Spacers:
1. Details of all materials, banding, and insulating material.
  2. Letter from the casing spacer manufacturer that the proposed casing spacer material is suitable for the weight of the pipe and the length of push.



- H. Installation details for casing, casing spacers, and carrier pipe.
  - 1. Methods and procedures for installing carrier pipe inside casing.
  - 2. Pipe manufacturer’s recommended spacing for casing spacers.
  - 3. Methods and procedures to stabilize carrier pipe against annular space grouting forces and maintain pipe grade while annular space grouting is installed.
- I. Certification:
  - 1. Welder certification.
  - 2. Provide a certified affidavit of compliance for all pipe and other products or materials furnished under this Section requirements, including physical and chemical properties of all steel.
- J. Health and Safety Plan – specific to jacked casing operations.
- K. Manufacturer’s data for the following:
  - 1. External grout.
  - 2. Annular space grouting, including plans for venting (number and location of vents relative to pipe diameter and stiffness).
  - 3. Casing end seals.
- L. As-Built Records (Drawings).

**1.4 DEFINITIONS**

- A. Caving: The removal of soil or material located beyond or outside of the casing exterior surface (casing outside diameter) by the boring equipment, thereby, resulting in a volume of soil greater than the volume of the planned bore hole thereby leaving a “cave” or void outside of the casing that has the potential to collapse and cause a sinkhole or settlement.
- B. Cobble: Rock having a maximum orthogonal dimension between 3 and 16 inches and an unconfined compressive strength of up to 60,000 pounds per square inch. Cobbles are not Obstructions.
- C. Boulder: Rock having a maximum orthogonal dimension greater than 16 inches and an unconfined compressive strength of up to 60,000 pounds per square inch.
- D. Wood: Timber piles, logs, tree trunks, roots, dimensional lumber, and any other fibrous organic material shall be considered wood.
- E. Obstruction: Boulder, Wood, or other natural or man-made material having a maximum orthogonal dimension greater than 16 inches that is located at the edge of the casing and prohibits advancing of the casing. Cobbles are not Obstructions, and all encountered shall be removed by the Contractor’s excavation and spoil removal methods. Boulder, Wood, or other natural or man-made material having a maximum orthogonal dimension greater than 16 inches located completely within the cross-sectional area of the casing (and not at the edge) are not Obstructions, and all encountered shall be removed by the Contractor’s excavation and spoil removal methods.
- F. Annular Space: Void between the outside of the carrier pipe and the inside of the casing.

**1.5 JACKED CASING PLAN**

- A. Submit a separate Jacked Casing Plan for each jacked casing.
- B. Jacked Casing Plan shall include the following, at a minimum:
  - 1. Jacked casing manufacturer's literature describing in detail the equipment:
    - a. Machine type and manufacturing date.
    - b. Grade and alignment control system.
    - c. Spoils removal system.
    - d. Method of face stabilization.
    - e. Method of groundwater control.
    - f. Jacking mechanism and jacking pressure monitoring design.
    - g. Provisions for injecting casing pipe lubricants.

2. Detailed layout and drawings of jacking and receiving pits including:
  - a. Jacked casing operation setup.
  - b. Location of the power and control units.
  - c. Spoils handling system.
  - d. Hydraulic jack configuration.
  - e. Thrust reaction backstop configuration.
  - f. Pipe rail layout.
  - g. Pipe entrance and exit seals.
  - h. Detailed locations and sizes of jacking and receiving pits.
3. Pit ventilation layout details and calculations. Ventilation system shall meet Part Q of Chapter 296-155 WAC.
4. Calculations:
  - a. Calculations and design of jacking reaction frame and support for thrust restraint.
    - 1) Prepared, stamped, dated, and signed by a Professional Engineer registered in the State of Washington and coordinated with excavation support system design per Section 02160.
    - 2) Design the reaction frame and support for the maximum jacking capacity to be experienced plus a minimum safety factor of 2.0.
    - 3) Demonstrate the ability of the soils to resist the forces transmitted to it without excessive deflection, damage to existing improvements, or exceedance of allowable passive resistance/lateral capacity.
  - b. Calculations of maximum jacking force anticipated for each drive and a description of the controls to ensure that the maximum allowable hydraulic pressure will not be exceeded during jacking operations.
    - 1) Identify the maximum jacking resistance for the complete casing. At a minimum, the calculations for the maximum frictional resistance and the maximum face pressure are required to determine maximum jacking load for design of the jacking reaction frame and supports, jacking mechanisms, casing pipe, and casing pipe joints. The pipe, pipe joint, and the reaction frame shall be designed for the maximum jacking capacity to be experienced plus a safety factor.
    - 2) Prepared, stamped, dated, and signed by a Professional Engineer registered in the State of Washington that clearly state the relationship between hydraulic pressure in each jacking circuit and the force applied to the pipe during jacking.
    - 3) Maximum force that the jacking equipment is capable to produce.
  - c. Calculations showing the casing pipe and joints can withstand the maximum stresses to be imposed during installation.
    - 1) Stresses to be imposed on the casing include earth loads, jacking forces, external loads such as live loads, face pressures, and frictional resistance along the casing string, and any other loads that may be reasonably anticipated during installation.
    - 2) Prepared, stamped, dated, and signed by a Professional Engineer registered in the State of Washington.
5. Casing pipe diameter, thickness, and joint type proposed.
6. Jacked casing pipe lubricant description.
7. Grouting procedure for filling voids outside of jacked casing pipe.
8. Description about how small diameter carrier pipes (where applicable) will be secured within the casing with the large diameter carrier pipe.
9. Line and grade calculations and layout with tolerances for casing installation. Demonstrate that carrier pipe and casing spacers will be installed to the line and grade indicated in the Drawings. Specify maximum allowable casing variance from line and grade that will allow for installation of carrier pipe and casing spacers to the line and grade indicated in the Drawings.
10. Detailed schedule for jacked casing operation including identification of activities that will require the Contractor to obtain written approval from local authorities having jurisdiction.
11. Tunnel spoils disposal plan including slurry handling and dewatering and disposal of decanted liquid. Testing shall be included.

12. Contingency plan: Step-by-step description of the planned operation to deal with specified situations listed below. Include an itemized list of materials and equipment required to be available on site to complete the work.
    - a. The presence of cobbles, boulders, wood, or other materials that obstruct forward progress of the casing.
    - b. Caving conditions at the face of the excavation or elsewhere along alignment.
    - c. Groundwater seepage at the face of the excavation.
    - d. Movement or failure of jacking reaction frame.
    - e. Excessive frictional forces that jeopardize the successful completion of the casing installation.
    - f. Misalignment of casing and inability to install carrier pipe to the line and grade indicated in the Drawings.
    - g. Grade control in areas of soft ground and peat.
  13. Statement that the Contractor takes sole responsibility for the structural integrity and safety of the proposed operation.
- C. Permits associated with the pipe jacking operations.

## 1.6 REPORTS AND RECORDS

- A. Certified survey notes and shift reports, including as-built location of steel casing.
- B. Volume of external grouting applied.
- C. Maintenance records of the pipe jacking system.
- D. Volume of soil removed per linear feet of casing installed.
- E. Daily Log:
  1. During jacking operations submit a daily log including:
    - a. Jacking forces exerted on the casing in tons.
    - b. Pipe position in relation to line and grade.
    - c. Lubrication volume.
    - d. Pumping pressure.
    - e. Volume of muck.
    - f. Daily readings on excavation support system of pits to detect any vertical or horizontal movement.
- F. Volume of annular space grouting applied.
- G. Reporting of all information does not relieve the Contractor of its responsibility nor does it place on the District responsibility for control and protection of the work.

## 1.7 HEALTH AND SAFETY PLAN

- A. Prepare a Health and Safety Plan specific to pipe jacking operations.
- B. Text shall address all Work in this Section including, but not limited to, man entry inside the casing during installation and after the casing is installed for external grouting and carrier pipe installation.
- C. Perform work in a manner to maximize safety and avoid exposure of workers and equipment to hazardous and potentially hazardous conditions in accordance with applicable safety standards and Contractor's safety procedures. Specify items required for the emergency plan that are not covered in the general safety plan being prepared under Section 01352.
- D. Tunnel conditions, safety provisions, and operations shall be in conformance with WAC 296-155-730.

## 1.8 EQUIPMENT

- A. Capable of alignment and grade required to install carrier pipe to the line and grade indicated in the Drawings, as indicated in the Jacked Casing Plan submittal.

- B. To avoid voids outside the casing, design so that excavation is carried out entirely within the head and not in advance of the head.
- C. Excavated materials: Removed from the casing as the jacking operation progresses with no accumulation of excavated materials within the casing.

### **1.9 JACKED CASING MEETINGS**

- A. Schedule and conduct meetings with the District, Engineer, and local authorities having jurisdiction to review the Jacked Casing Plan prior to each jacked casing operation.
- B. Meetings to occur a minimum of two weeks prior to starting jacked casing field operations.

### **1.10 PERSONNEL**

- A. Field superintendent shall be present full-time at the job site whenever pipe jacking work is in progress.

### **1.11 BASELINE GROUND CONDITIONS**

- A. Purpose of Baseline:
  - 1. Provides a basis for bidding.
  - 2. Provides a basis for evaluation and resolution of differing site conditions related to the items being baselined.
  - 3. Provides a basis for the type of jacked casing equipment to be utilized for the work.
  - 4. Sets baselines for geotechnical conditions assumed to be encountered during construction. Although based on geotechnical information and data gathered through geotechnical explorations and other sources, the baseline ground conditions are not statements of geotechnical fact and shall not be considered a warranty that such conditions will actually be encountered.
  - 5. No representation is made relative to geotechnical conditions not explicitly addressed in the Baseline. See Section 01012 for geotechnical information for the Contract.
- B. Baseline for Bored and Jacked Cased Crossing for Water Transmission Pipeline under State Route 9:
  - 1. No representation is made relative to the location of potential Obstructions along the length of the alignment or relative to the casing wall.
  - 2. Up to two Obstructions will be encountered during excavation of the casing located at any station and in no particular orientation. Potential Obstructions encountered along the alignment that are ingested by the excavation equipment due to their size, location, and orientation shall not be considered an Obstruction. Obstructions in excess of the two Obstructions included in the bid item lump sum price shall be considered for payment under the provisions for changes.
- C. Baseline for Bored and Jacked Cased Crossing for Water Distribution Line under State Route 9:
  - 1. No representation is made relative to the location of potential Obstructions along the length of the alignment or relative to the casing wall.
  - 2. No Obstructions will be encountered during excavation of the casing. Potential Obstructions encountered along the alignment that are ingested by the excavation equipment due to their size, location, and orientation shall not be considered an Obstruction. Obstructions shall be considered for payment under the provisions for changes.

### **1.12 SITE CONDITIONS**

- A. See Section 01012 for the Geotechnical Data Report.

## **PART 2 - PRODUCTS**

### **2.1 CASING**

- A. The steel casing pipe shall be in accordance with ASTM A283, Grade C, unless indicated otherwise.
- B. The minimum diameter and wall thickness shall be as indicated in the Drawings. Increase casing wall thickness as needed based on Contractor's means and methods.

- C. Yield strength of the casing: 36,000 psi, minimum.
- D. Provide 2-inch grout port connections regularly spaced at 5 feet on center alternating at 30 degrees from plumb each side of the vertical centerline. Longitudinal spacing between the grout port connections may be decreased to provide more frequent grouting, but in no case shall the spacings shown or specified be exceeded.
- E. Casing section joints shall be butt welded in the field. Each end of the casing for butt welding shall be prepared by providing 1/4-inch by 45-degree chamfer on the outside edges.
- F. Pipe used for jacking shall be capable of withstanding the jacking forces imposed by the process of installation, as well as the final in-place loading conditions.

## **2.2 LUBRICANT**

- A. Lubricant shall be a refined, processed natural high swelling montmorillonite clay (Bentonite slurry) or other product acceptable to the District as necessary to produce satisfactory lubrication and earth support.

## **2.3 EXTERNAL GROUT**

- A. Grout shall consist of one part Portland cement and three parts sand by volume and the minimum amount of water necessary to obtain the desired consistency.
- B. Grout mixtures shall contain 2 percent of bentonite by weight of the cement. Portland cement, water and sand shall conform to the applicable requirements of Section 03002, except that sand to be used shall be of such fineness that 100 percent will pass a Standard No. 8 sieve and at least 45 percent, by weight, will pass a Standard No. 40 sieve.

## **2.4 CASING SPACERS**

- A. Insulators shall be a manufactured non-centered/restrained positioning type as indicated in the Drawings.
- B. Band:
  - 1. Length: 12 inches.
  - 2. Material: Stainless steel or fusion epoxy coated steel.
- C. Runners:
  - 1. 2 inches wide, of glass-reinforced plastic or high density polymer.
  - 2. Minimum of four runners shall be used to support the bottom of the carrier pipe and at least two runners shall be used at the top of the pipe.
- D. Riser (between band and runner):
  - 1. Manufacturer's standard of sufficient height to provide the clearances indicated in the Drawings.
  - 2. Material: Stainless steel.
- E. Provide a letter from the casing spacer manufacturer that the proposed casing spacer material is suitable for the weight of the pipe and the length of push.
- F. Acceptable Manufacturers:
  - 1. Cascade Waterworks Manufacturing, Co..
  - 2. PSI: Model C or W.
  - 3. Advanced Products and Systems.
  - 4. Approved Equal.

## **2.5 ANNULAR SPACE GROUT**

- A. Portland cement and additives.
- B. Other lightweight material that minimizes the buoyant forces on the carrier pipe.
- C. Compressive Strength:
  - 1. Penetration resistance of 100 psi in 24 hours when tested in accordance with ASTM C403.

2. Compressive strength of 300 psi in 28 days when tested in accordance with ASTM C495 or ASTM C109.
- D. Acceptable Manufacturers (Grout Mix Series):
1. Pacific International Grout Company LDB 662.
  2. Masterflow 713.
  3. Geofill Cellular Concrete, LD.
  4. Approved Equal.
- E. Mix Designs: To completely fill the annular space, develop one or more mixes based on the following requirements:
1. Size of the annular void.
  2. Sufficient strength and durability to prevent movement of the carrier pipe.
  3. Provision of adequate retardation.
  4. Low hydration temperature.
  5. Provide less than 1 percent shrinkage by volume.
- F. Density: Design a grout mix with a density to prevent floating of the carrier pipe and to meet the requirements of the grouting procedure.
- G. Viscosity: The grout efflux time shall not exceed 35 seconds in accordance with ASTM C939.

## 2.6 CASING END SEALS

- A. Seal shall be a synthetic rubber sleeve, attached to end of the casing pipe and around the carrier pipe with stainless steel band clamps. Type may be either a pull-on conical model or a split wrap-around model.
- B. Acceptable Manufacturers:
1. Cascade Waterworks Manufacturing, Co.: Model CCES.
  2. Advance Products and Systems.
  3. PSI: Model C or W
  4. Approved Equal.

## PART 3 - EXECUTION

### 3.1 GENERAL

- A. Provide a minimum of 10 days advance notice of the start of excavation for pipe jacking operations.
- B. Immediately notify the District, in writing, when any problems are encountered with equipment or materials, or if the Contractor believes the conditions encountered are materially and significantly different than those represented by the Contract Documents.
- C. Use only equipment identified in the Jacked Casing Plan receiving a Review Action of NO EXCEPTIONS TAKEN or MAKE CORRECTIONS NOTED and implementing the work covered in the submittal in accordance with the markings noted; see Section 01300.
- D. For the WSDOT jacked casing installations, comply with all requirements of Section 01060.
- E. Attend jacked casing meetings as required per this Section.

### 3.2 WELDING

- A. Welding procedures used to fabricate steel casings shall be prequalified under the provisions of ANSI/AWS D1.1. Welding procedures shall be required for, but not necessarily limited to, longitudinal and girth or special welds for pipe cylinders, casing joint welds, reinforcing plates, and grout port connections.
- B. Welding shall be done by Pipe Jacking Welder, qualified per this Section.
- C. Inspect and test field welds and complete weld repairs as required prior to jacked casing operations.

- D. Perform the following inspection and testing:
  - 1. Visually inspect field welds per AWS D1.1.
  - 2. Test fillet welds of field single-welded lap joint using the magnetic particle testing procedures and acceptance criteria set forth in AWS D1.1, Section 6.14.5, Table 6.1.
  - 3. Test field butt welds by 100 percent radiographic of the first two welded pipe joints, and 10 percent of the joints thereafter using methods and acceptance criteria in API Standard 1104. If visual inspection notes questionable welding or a test fails, then testing shall be on a continuous basis until acceptable welds are accomplished. Repair welds deficient in size by adding weld metal.

### **3.3 EXCAVATION AND DEWATERING**

- A. Excavation and the excavation support system of the jacking and receiving pits shall be in accordance with Section 02200 and Section 02160, respectively. The excavations for the pipe jacking operations shall be adequately shored to safeguard existing substructures and surface improvements and to ensure against ground movement in the vicinity of the jack supports.
- B. If groundwater is encountered, the water and flow shall be controlled such that the work is protected and flowing soil conditions do not occur. Dewatering, if required, shall be provided in accordance with Section 02140.
- C. Excavated materials removed from the pipe jacking operations shall be removed as the pipe jacking operation progresses and disposed of in accordance with Section 02200. No excavated material shall be left within the casing. Sluicing or jetting to remove materials shall not be allowed.

### **3.4 CONSTRUCTION OF PITS**

- A. Per Section 02160.
- B. Construct the pit support system to the necessary size, shape, and depth to allow construction and to provide adequate space and safe support for the pipe jacking and excavation work.
- C. Install support systems in a manner that will maintain safety and minimize ground movement. If used, interlocking sheeting and liner plate shall be installed with tight joints to minimize ground loss. For braced excavation, wedge or jack all supports to ensure a tight fit and positive load on the supports before continuing the excavation. Fill all voids behind sheeting before tightening supports. Record daily readings on the support system to detect any vertical or horizontal movement. Corrective measures shall be taken immediately where movement or deformation of support systems may in any way impair the integrity of such support system, or that of adjacent facilities. Immediately repair any damage to existing facilities caused in part or wholly as a result of the Contractor's operations.
- D. Provide security fencing around work areas. Open pits shall be steel plated overnight.
- E. Care shall be taken when setting the pipe guide rails in the jacking pit to ensure correctness of the alignment, grade, and stability. If a concrete thrust block or treated soil zone is used, concrete or other materials shall have attained the required strength before jacking begins.
- F. Penetrations of the pit excavation support system shall be made with procedures and installations to prevent the intrusion of soil and water.
- G. The Professional Engineer(s) responsible for the design of the jacking frame and support and excavation support system shall certify that the systems were constructed as designed prior to loading of the excavation support system.

### **3.5 STEEL CASING**

- A. Install casing by jacking in the trenchless locations indicated in the Drawings.
- B. Repair, if approved by the District, or remove and replace casing damaged during the jacking operation.
  - 1. Repair or replace casing damaged during the jacking operation. All proposed repairs shall be certified by a Professional Engineer registered in the State of Washington that the repair is equal to or exceeds the original strength of the casing.

- C. Alignment and Grade:
  1. Line and grade of the casing shall not exceed the maximum allowable variance required to allow installation of the carrier pipe within the casing to line and grade.
  2. Check the alignment and grades of the leading end of the casing often enough to be able to correct any line or grade deviations while the jacked casing is in progress.
  3. Line and grade checks at intervals not exceeding 40 feet.
  4. Correct any deviation from grade or alignment.
  5. Laser control: Use for both vertical and horizontal alignment.
- D. Avoidance of Caving:
  1. Take special care during the installation of the jacked casing to ensure that no Caving and settlement is caused to the above surface and that existing facilities and the ground surface near the casing alignment are not affected by sinkholes or settlement.
  2. Repair any caving caused by the placement of the casing pipe.
- E. Excavate the jacked pipe in accordance with the methods described herein:
  1. Conduct all jacked casing operations by methods and with equipment, which will positively control dust, fumes, vapors, gases, fibers, fog, mists, or other atmospheric impurities.
  2. Provide compressed air and electricity for operations from a source outside the jacked casing.
  3. Maintain clean working conditions at all times inside the casing.
  4. Remove all muck, slush, grout spills, unusable timber, and any other material not required for jacked casing operations.
- F. Structural steel or concrete cradles of sufficient length shall be provided to assure accurate control of pipe jacking alignment. Provide adequate space within the excavation to permit the insertion of the lengths of casing to be jacked. Concrete or structural steel sections shall be anchored to ensure action of the jacks in line with the axis of the casing.
- G. Casing Pipe Preparation and Handling:
  1. Inspect all casing pipe prior to lowering into the jacking pit to ensure that no defective materials are being used.
  2. Pipe delivered with visible damage shall not be used. Damaged or defective pipe shall be marked with a permanent marking as rejected and shall be promptly removed from the job site.
  3. Use proper tools and equipment to handle pipe. Slings shall be made of rope, nonmetallic webbing, or other materials that will not damage the pipe or casing. Chain or cable slings or chokers shall not be used to handle the pipe. Lifting eyes, if used, shall be constructed to provide uniform bearing along the top of the pipe. Lifting eyes shall not be used.
  4. Clean ends of pipe thoroughly. Remove foreign matter and dirt from pipe joints during laying.
- H. Install instrumentation, take readings, and provide copies of measurement data to certify all jacking forces. These readings shall include all forces exerted during the jacking. Readings are intended to show the actual forces exerted on the casing to verify that these forces do not exceed the design requirements for the casing materials used.
- I. Continuously monitor, record, and control the rate and amount of pipe string advance with the rate and volume of excavation to ensure that no over-excavation occurs. Promptly notify the District if the volume of excavated materials exceeds the in-place volume of an individual casing section by more than 10 percent. Alter operations to allow excavation within that allowed by the specification.
- J. Modify the jacking operation if there is an inability of the Contractor to complete a jacking run without exceeding the maximum unit hydraulic pressure as stated in the Contractor's Jacked Casing Plan, or suspend jacking in that run.
- K. Notify the District immediately if obstruction stopping forward motion of operation is encountered during installation.
- L. Casing Pipe Installation:



1. The installation of the casing shall be subject to the approval of the local authority having jurisdiction over the area containing the pipe jacking operations.
2. Once jacking commences, jack continuously, with maintenance stoppages not to exceed 8 hours per day. This requirement may be modified if the Contractor submits to the District, for prior acceptance, methods and details that shall prevent “freezing” of the casing pipe and ensure that the heading is stable at all times.

M. Lubricant:

1. A bentonite slurry shall be used for lubricating the exterior of the casing pipe during jacking operations.
2. Bentonite slurry may be pumped through the grout port connections; however, the bentonite slurry shall not be injected ahead of the pipe.
3. Provide a pressure gauge at the grout port that indicates pumped slurry pressure.

N. External Grouting:

1. Immediately after completion of the pipe jacking operations, inject grout through the grout port connections in such a manner as to displace the lubricant and completely fill all voids outside the casing pipe resulting from the jacking operations.
2. Grout pressure shall be sufficient to displace the lubricant and controlled so as to avoid deformation of the steel casing and avoid movement of the surrounding ground.
3. After completion of the grouting operations, close the grout port connections with cast-iron threaded plugs.

O. Caved Areas:

1. Inspect each grout port after opening to confirm the requirement for grouting. Pump external grout into each port under low pressure.
2. Place grout by positive displacement pumps.
3. Place grout at pressures that are requisite for the conditions encountered.
4. Provide gages to indicate grout pressure obtained.
5. Fill all voids and record the amount of grout placed

P. Caving/Heave:

1. Take care during the installation of the casing pipe to ensure that no caving, settlement, or heave of above surfaces is caused.
2. Maintain close observation of the above surfaces and be prepared to contact the District, Engineer, and WSDOT if settlement, caving, or heave is detected.
3. Coordinate and arrange for repairs as required.

Q. Cleaning and Testing:

1. Clean casing, leaving it free of debris.
2. Casing shall be inspected after external grouting and prior to installing the carrier pipe. Acceptance of the casing shall be based on a final inspection conducted by the Contractor and observed by the District.
  - a. No visible leakage will be allowed.

### 3.6 GROUND MOVEMENT

- A. Be responsible for monitoring ground movements associated with the work and making suitable changes in construction methods to control ground movements and prevent damage to the Work and roadway.
- B. Ground movement at the roadway shall be monitored per Section 02212.
- C. Perform pipe jacking excavation in a manner that will minimize the movement and minimize subsidence of the ground in front of, above, and surrounding the casing. Support the ground in a manner to prevent loss of ground and keep the perimeter and face of the heading stable at all times including shutdown periods.

### 3.7 EMERGENCY MEASURES

- A. Wherever there is a condition which, in the opinion of the District, may endanger the stability of the excavation or adjacent structures, operate with a full crew for 24 hours a day, including weekends and holidays, without intermission until those conditions no longer jeopardize the stability of the Work.

### **3.8 INSTALLATION OF CARRIER PIPE, ANNULAR SPACE GROUTING, AND CASING END SEALS**

- A. Prior to installation of the carrier pipe, verify that the alignment, grade, and deflection of the casing pipe will allow the carrier pipe to slide into place without binding.
- B. The entire length of casing shall be in place before installation of the carrier pipe. Install the casing spacers on the carrier pipe in accordance with the manufacturer's recommendations, join the pipe, and slide the carrier pipe into the casing.
- C. Implement measures to maintain integrity of coating of the carrier pipe.
- D. The first carrier pipe joint outside of the casing shall be within 12 inches of the casing end.
- E. Annular Space Grouting:
  - 1. Complete testing of the carrier pipe before annular space grouting.
  - 2. Install annular space grouting between the carrier pipe and casing pipe.
  - 3. Accomplish grouting by filling the carrier pipe with water and pressurizing to offset the grout head pressure, so that the net external pressure does not exceed the allowable buckling pressure of the carrier pipe.
  - 4. Prior to grouting, cap, bulkhead the ends of the casing, and provide appropriate venting. Submit plans for venting, including the proposed number and location of vents relative to pipe diameter and stiffness.
  - 5. The annular space shall be completely (100%) grouted.
  - 6. Shield or protect coating of carrier pipe during grouting operations.
- F. Casing End Seals:
  - 1. Install seals at both ends of casing in accordance with the manufacturer's instructions. Completed installation shall provide an earth tight seal.

### **3.9 CASING SURVEY**

- A. After completing the casing installation and prior to demobilization of the installation equipment, use the licensed surveyor to provide the District with survey information related to as-built location of the casing.

### **3.10 CLOSING OF PITS**

- A. After jacking equipment and excavated materials from the pipe jacking operations have been removed from the launching pit, prepare the bottom of the launching pit as a pipe foundation. Remove all loose and disturbed materials below pipe grade to undisturbed earth and recompact the material in accordance with Section 02200.

### **3.11 RECORD KEEPING**

- A. As-built records:
  - 1. Maintain a daily project log of drilling operations and a guidance system log. Copies of both logs shall be given to the District at completion of project. Upon completion of pipe jacking operations, prepare as-built drawings to scale, certified as to accuracy by Contractor.

**END OF SECTION**



**Judy WTP to Mount Vernon Transmission Pipeline Project, Phase II**  
**Pre-Bid Meeting Minutes**  
**December 8, 2020**  
**10:30 AM**

A pre-bid meeting for the Judy WTP to Mount Vernon Transmission Pipeline Project, Phase II was conducted via Zoom virtual meetings on Tuesday, December 8, 2020 at 10:30 AM.

Mike Benton, Project Manager, opened the meeting by asking everyone to identify themselves and their company in the “chat” feature, for recording attendance.

**Introductions**

Project Manager Benton led the following introductions:

District Staff including, George Sidhu, P.E., General Manager; Mark Handzlik, P.E., Engineering Manager; Brandt Barnes, Project Manager/Inspector; Kirk Juneau, Project Inspector; Michelle Peters Administrative Assistant; Catherine Price, Contract Coordinator; Wendy LaRocque, Environmental Compliance Coordinator; Mike Fox, Operations Manager; and Ryan Anderson, Operations Superintendent. HDR Staff including, Danny Applegate, P.E., Project Manager; Carrie Murillo-Oakes, P.E., Deputy Project Manager/Design Lead; Michael Blanchette, P.E., Engineer of Record; and Malia Bassett, Environmental Planner. Staheli Trenchless Consultants including, Kimberly Staheli, Ph. D., P.E, President/Principal Engineer; and Jake Andresen, MS, P.E., Project Engineer. Murraysmith including, Tom Lindberg, P.E., Principal Engineer; and Chris Hiatt, P.E., Project Engineer. Historic Research Associates, Jordan Pickrell, PhD, Project Archaeologist; and GeoTest, Jeremy Wolf, L.E.G., Vice President.

Others in attendance, some were not identified, were District Staff: Karen Morgan, Data Technician; Al Littlefield, Commissioner; Bill Trueman, Engineering Supervisor; Mark Semrau, P.E., P.M.P, Capital Projects Manager. Also in attendance were: Michael Corey, The HDD Company; Joe M. Rose, UPI; Brad Israel, Blue Sky Construction; Darren Cahoon, Tapani, Inc.; Zach, Interwest Construction; Josh Rowell, IRZ Construction Division; Patrick Finnegan, Blue Sky Construction; Jamie Howard, Mitchell Sorestad and Keenan Thomas, IMCO; Todd Pittman and Dick McElligott, James W Fowler; Ryan Thread, Northwest Pipe; Kurt Myhre, Michel’s Directional Crossings; Carolyn Dodge and Dan Baillargeon, United Piping; Bill Anderson, Kulchin Drilling; Mark Rocha, Hanging S Companies; Aaron Gentilucci, Bridge Brothers; Neil Swope, HDD; Mason Dhanens, Scarsella Brothers; Rob Tumbleson, ECI Contracting; Chris Parshall, Kiewit; Kyle Gebhardt, Strider Construction; Dane Bergman, The Tunneling Company; Tommy Casias, Thompson Pipe Group; Jack Arizcuren, Acro Bridge; CP Shannon; J King; and iPad-GG7ZNOYX;

**Purpose of the Pre-Bid**

PM Benton briefly reviewed the project highlights as detailed in bid specifications (page 12 & 13) which included, but was not limited to, items such as pipeline types, sizes and lengths, erosion control, potholing, traffic control, staking, clearing and grubbing, stream bypassing, dewatering, road crossings, bridge construction; tapping, HDD, electrical/SCADA, flushing, disinfecting, abandoned lines, and restoration. He also showed a drone video of the project recorded May 8, 2020 while highlighting unique parts of the project <https://www.youtube.com/watch?v=b9I6qjkXtns>.

## **Project Overview**

PM Benton stated that bids shall be placed in a sealed envelope and shall be mailed or delivered to the District, to arrive no later than 10:00 AM on January 12, 2021. In person meetings are suspended; therefore, the bid opening will be held virtually through ZOOM Cloud Meetings no sooner than 10:01 AM on January 12, 2021. Bids will be opened and read aloud via Zoom virtual meetings:

<https://skagitpud.zoom.us/j/83558679048?pwd=b05zTE0rTC8yeVZ3Y251bGN0OWNEdz09>

Meeting ID: 835 5867 9048

Passcode: 205464

## **Funding/Wages/Loans & Grants**

PM Benton stated that there are two funding sources for this project, WS Public Works Board Loan and EPA WSDOH Drinking Water State Revolving Fund. There are two wages for the project, Washington State Prevailing Wages and Federal Davis Bacon Wages (see bid specifications Appendices), the higher of the two wages for each work classification apply to this project.

## **Anticipated Award**

PM Benton stated that the Notice to Proceed is anticipated mid-February, there are 730 consecutive calendar days to complete the project. Work can be sequenced to accommodate challenges allowing dry season work where possible. Engineering Manager Handzlik indicated one challenging area would be Fox Road due to high water levels. Handzlik also pointed out that there are horse pasture accommodations in the specifications to be aware of.

## **Permits**

PM Benton stated that there are several permits for this project. The permits that have been acquired for this project are listed in the Bid Specifications, Section 1600, Table A. Other permits will be included via Addendum.

## **Bid Schedules**

**PM Benton stated that there are two Bid Schedules for this project, Schedule A, Skagit PUD's 36" transmission line including the East Fork Nookachamps Creek bridge superstructure and Schedule B, Skagit County's East Fork Nookachamps Creek bridge improvements (pedestrian bridge along the Centennial Trail).**

## **Utility Coordination**

PM Benton stated that there are multiple utilities to coordinate with in the specifications, including, but not limited to:

Skagit PUD - tie-ins to existing infrastructure and switching over existing metered services

Puget Sound Energy, Mike Schroyer – deenergize existing overhead power paralleling the HDD crossing and along Fox Road

Williams Pipeline, Michael Tsiporenko –special provisions working near the high pressure gaslines

Cascade Natural Gas, Addam Sad

Frontier Communications, Bret Murdock – relocations. PM Benton stated that the overhead fiber line, along the north side of State Route 9 fronting the new bridge location, has been temporarily relocated by Frontier (now Ziply). The District will coordinate having this overhead fiber reinstalled once the bridge work has been completed.

Comcast, Bill Inama – relocations

Wave Broadband, Jeremey Strand – relocations

PM Benton share the vicinity map of the project from the west to east, HDD on College Way to Old Day Creek Road/Judy Reservoir.

Addendum will be issued including minutes from this meeting and any questions/answers to date.

### **Questions/Answers**

Neil Swope, HDD Co

Q: Does the welding specification of the HDD bore pipe require x-ray or will it be a typical AWS welding standard? Is it spiral welded pipe?

Todd, JW Fowler

Q: Is a geotechnical report available?

A: Yes. It was not included in the bid specifications but is included in the Reference Documents.

With no further questions, the pre-bid meeting of Tuesday, December 8, 2020 was adjourned at 11:30 AM.

Respectfully Yours,

Catherine Price, Contract Coordinator

**Judy Reservoir to Mount Vernon Transmission Pipeline - Phase 2 - Pre-Bid & Post Pre-Bid Meeting Question Log**

Note: Additional questions have been received and are awaiting answers. They will be included in future Addenda.

<b>Question</b>	<b>Responsible</b>	<b>Response</b>	<b>Add. No.</b>
Eng Est? How much of the project is funded? What kind of permits? When will bid does be on SkagitPUD.org?	District  District	26-33 million dollars (He decided to wait until bid documents are posted to review them, before asking additional questions.) Emailed to our staff for posting minutes ago. Check back later today.	1  1
1. Please reference Instruction to Bidders, Section 11.01, which states the apparent low bidder must submit the Required Bidder's Supplemental Responsibility Statement by 4:30 PM the day of the bid opening. Reference Supplementary Instructions, Section 1.01, which states the apparent low bidder must submit the Required Bidder's Supplemental Responsibility Statement with 48 hours of bid opening. Furthermore, reference Proposals form, Page 23, which states all Supplemental Bidder Responsibility Criteria is to be submitted no later than 4:30 PM on the day of the bid --- and does not state whether it is by only the apparent low bidder or all bidders. a. All three (3) of these sections regarding the time for submittal and by which bidder the Supplemental Responsibility Statement is required are in conflict. Please advise.	Benton	Will be addressed via Addendum	1
2. Please reference Section 01012, Reference Material. All reference documents listed under Part 1.2 have not been provided. Please provide these documents.	District	Reference materials will be posted to BXWA.com & SkagitPUD.org.	1
My next question is more general on the bid document posting to the Skagit PUD website. -The technical specifications have been uploaded to the PUD website, but the drawings and appendices are not provided yet. With that, the technical specifications are a locked file that is unavailable for printing. Could this please get changed? -We have downloaded the BXWA bid documents and registered as a bidder, however, the BXWA files are a scanned and uploaded document of the original PDF. This leads to massive file sizes, non-vectorized files, and in some cases illegible text/lines/callouts/etc. -I do appreciate that the PUD provides the files on their website as they are much, much cleaner files and easier to use than the BXWA documents. -Please advise when the drawings and appendices will be uploaded to the PUD website for download and advise if these files can be unlocked to enable printing?	District	We are currently working on resolving the issues on our website with the bid document availability. Please check back this afternoon, we hope to have it resolved by then.  It has been resolved.	1
1. Will the drone video be made available?	District	Drone Video of Water Transmission pipeline Alignment (05/08/2020) <a href="https://www.youtube.com/watch?v=b9l6qjkXtrns">https://www.youtube.com/watch?v=b9l6qjkXtrns</a>	1
2. The "reference documents" were not included?	District	The reference documents will be uploaded to both the PUD website and Builders Exchange. This has been completed.	1

3. Can you post the CAD files?	District	No CAD files will be posted for bidding purposes.	1
Volume 1 Specs are missing Section 02150 according to the Table of Contents. I wanted to see if you would consider changing the manufacturer requirements to AISC Major/Intermediate for the supply of the 222' bridge? Leaving it at advanced limits the competitive bidding of this structure on the project.	Benton HDR	Will be addressed via Addendum No. The manufacturer requirements are to remain as specified.	1
Qualifications Revision Request to the section as noted below and detailed in their email. Supplementary Instructions - 2, 1.02 Required Supplemental Bidder Responsibility Criteria, A Experience, 1-4	District	For the time being the District will be maintaining the criteria as written in the bid documents and your request is denied. However, depending on contractor interest, we may need to change these criteria. Please continue to check for any Addenda updates.	1
Is a Geotech report available?	District	Yes. It is included in the Reference materials which are posted to BXWA.com & SkagitPUD.org.	1
With respect to the 220' truss bridge (Schedule A - bid item 77), specification 05125 subsection 3.3 C Weathering Steel; In lieu of weathering steel, would galvanized steel equivalent or better (in Yield Strength) be allowed? For example in lieu of ASTM A847 and AASHTO M270 Gr. 50W, would a steel bridge made from ASTM A572 Gr. 50 & 65 in which all material is hot-dip galvanized to ASTM A123 be acceptable? Allowance of this will enhance competition for the supply of the bridge superstructure.	District	Unfortunately not, the weathered steel is intentionally specified from an aesthetic standpoint.	1
Should we only send RFIs in a single email and or combine We assume there will be an area on the Bid Does we can all see what areas of Questions and RFIs might cover as well as the answers to those questions for Bidding clarifications	District	Any questions (RFIs, clarifications, etc.) should be submitted to Catherine Price, Contract Coordinator. You can send questions individually or combine them. All questions received are being documented, answered and distributed via Addendum.	1
1. Is it acceptable to adjust the prior years' experience for the General Contractor & Prime Bidder, General Contractor & Prime Bidders Project Manager, Prime Contractors Project Manager, and Prime Contractors' Project Superintendent from 10 years to 15 years?	District	No. This is to remain as specified.	1
2. It looks like the pipe along Fox Road is to be included in bid item #40, can you please provide the stations limits for the pipe to be included in this bid item?	District	Bid Item #40 is "Install 36" Steel Pipe (Road Right-of-way) - This bid item differentiates itself from BI#39 - Install 36" Steel Pipe (Cross Country) in that it is within Road Right of Way which is delineated on the plans. The Road Right-of-Way includes work within the right of way of SR-538 (College Way), Austin Rd., Beaver Lake Rd., Fox Rd., Wayward Way, Merrifield Rd., Wayward Way, Timber Lane, Old Day Creek Rd. and Timber Lane. The only exception would be for those separate bid items included to address a specialized or differing segment including but not limited to BI#80 "Furnish and Install 48" trenchless Crossing at SR9", and BI#81 "Furnish and Install Open Cut Crossing at Clear Lake Tributary" which is along Fox Rd.	1
3. Please provide station limits for bid item 81 Open Cut Crossing at Clear Lake Tributary.	District	Refer to the profile on sheet 01C138. This bid item includes the deeper than normal segment shown at the Tributary Crossing.	1
1) Should 8" Drain Pipe shown on Plan Sheet 01C140 be included in Bid item #46	District	Yes. The stationing for Bid Item #46 shall be revised to from 278+00 to 286+50 to 273+15 to 286+50.	1

<p>With the holidays upon us, would you please consider extending the bid due date to 01/22/2021 for this project?</p>	<p>District - MH &amp; BB</p>	<p>As of 12/16/20, the bid due date will be extended via Addendum to Tuesday January 26, 2021.</p>	<p>1</p>
<p>Bid items 100-118, restoration for Schoelberg and Cann, sheets don't correspond plan table 04C-004 wetland forest mix, shrub planting correspond with lower items</p>	<p>District</p>	<p>The restoration quantities for the specific items included on sheet 04C004 reflect those quantities for the entire project and shall be included in their corresponding bid items 107 - "Furnish and place Wetland Forest Mix" through 118 - "Furnish and place sod lawn seed mix". The separate restoration bid items such as BI 100 - "Furnish and Install Landscape Restoration Schulberg and Cann" shall include all restoration items less any items already covered in BI 107-118.</p>	<p>1</p>
<p>Request the bid for the Judy Reservoir to Mount Vernon Transmission Pipeline Ph 2 be postponed to allow more time to review the bid documents and prepare a complete responsive bid.</p>	<p>District</p>	<p>This is the second request for more time to for bid preparation. The bid date has been extended via Addendum to Tuesday, January 26, 2021.</p>	<p>1</p>