Addendum No. 1  
March 9, 2022

Electrical Distribution Replace  
Multiple 5kv Feeders  
Washington State University  
Pullman, WA

Project No. 1625-2022  
Washington State University  
Facilities Services, Capital
Addendum No. 1
March 9, 2022

Electrical Distribution Replace Multiple 5kv Feeders
Washington State University
Pullman, WA

Bid Date: March 29, 2022 prior to 2:00 PM

1. This Addendum forms a part of the Contract Documents and modifies the original
Bidding Documents dated March 7, 2022, and any prior addenda, as noted
below.

2. Please acknowledge receipt of this addendum on the Form of Proposal.

This Addendum consists of 15 total pages including the following Attachments:

Base Bid Drawings - WILMER DAVIS, DUNCAN DUNN AVISTA CHANGEOUT
BASE BID

Changes to prior Addenda:
N/A

Changes to Bidding Requirements:

1-1. SECTION 00 11 13 – Advertisement for Bids

Item 1. Replace “This project includes a new Avista Electrical service to
remove loads from an existing WSU Feeder at Wilmer Davis and
Duncan Dunn Residence Halls. Construction will take place in the
Summer of 2022 and be complete by September 1, 2022.
Proposals MUST BE based on this Contract Time.”

Make read
“This project includes a new Avista Electrical service to remove
loads from an existing WSU Feeder at Wilmer Davis and Duncan
Dunn Residence Halls. Construction activities will start after
WSU Commencement and shall be complete by August 12,
2022. Proposals MUST BE based on this Contract Time.”

Changes to Specifications:

SP 1-1. SECTION 00 50 00 – Agreement between Owner and Contractor
Item 1.

Replace Article 4, Paragraph 4.3. “Substantial Completion and Final Completion. Contractor shall achieve Substantial Completion of the Work by September 1, 2022 for Base Bid Scope, (Substantial Completion will be extended to October 27, 2022 if Alternate No. 1 is accepted and the Base Scope September 1, 2022 date will become a phased completion) following Notice to Proceed, subject adjustments as provided in the Contract Documents, and shall achieve Final Completion not later than Thirty (90) Days thereafter. Contractor represents to Owner that the Contract Time is adequate for full performance of the Work. Contractor shall also achieve any interim milestones and phasing requirements set forth in the Contract Documents.”

Make Read:

“This project includes a new Avista Electrical Service to remove loads from an existing WSU Feeder at Wilmer Davis and Duncan Dunn Residence Halls. Construction activities will start after WSU Commencement and shall be complete by August 12, 2022.”

Item 2.

Replace 1, Section 1.06, Paragraph B, Subparagraph 1. “Schedule to coincide with the summer months to eliminate disruption to the campus operations during the academic year for the Base scope. Work of the base scope may not occur after September 1, 2022. With acceptance of Alternate No. 1 the September 1, 2022 date
shall become a phased completion date for the base scope of work.”

Make Read:
“Schedule to coincide with the summer months to eliminate disruption to the campus operations during the academic year for the Base scope. Work of the base scope may not occur after **August 12, 2022**. With acceptance of Alternate No.1 the **August 12, 2022** date shall become a phased completion date for the base scope of work.”

**Changes to Drawings:**

**DWG 1-1. Base Bid Drawings Set**

  Item 1. Include the base bid scope of work Drawings.

**END OF ADDENDUM No. 1**
PROJECT INTENT

SCOPE OF WORK IS INTENDED TO REMOVE WSU OWNED ELECTRICAL SUPPLY TO TWO WSU BUILDINGS AND RECONNECT THEM TO THE LOCAL UTILITY. THE PURPOSE OF WORK IS TO REDUCE ELECTRICAL RELIABILITY TO THE BUILDINGS AND PROVIDE A MORE DURABLE SYSTEM. THE Removal of electrical equipment maintains maintenance on the 5kV system and places the maintenance responsibility on the local utility.

ELECTRICAL SITE PLAN DEMOLITION

EXISTING 5kV CABLE TO 18-T3. REMOVE BACK TO 18-JB-B IN TUNNEL.
EXISTING 5kV CABLE IN TUNNEL TO 18-T1. REMOVE BACK TO 18-JB-B.
EXISTING CONDUITS UNDERGROUND FROM TUNNEL TO TRANSFORMER (ONE IS FOR EXISTING TRANSFORMER PRIMARY, THE OTHER IS SPARE). AFTER REMOVAL OF TRANSFORMER PRIMARY, LEAVE CONDUITS IN PLACE FOR FUTURE USE.
EXISTING TO REMAIN.

ELECTRICAL SITE PLAN DEMOLITION NOTES

1. EXISTING 5kV CABLE TO 18-T3. REMOVE BACK TO 18-JB-B IN TUNNEL.
2. EXISTING 5kV CABLE TO 18-T1. REMOVE BACK TO 18-JB-B.
3. EXISTING CONDUITS UNDERGROUND FROM TUNNEL TO TRANSFORMER CABLE FOR EXISTING TRANSFORMER PRIMARY; THE OTHER IS SPARE. AFTER REMOVAL OF TRANSFORMER PRIMARY, LEAVE CONDUITS IN PLACE FOR FUTURE USE.
4. EXISTING TO REMAIN.

SHUTDOWN NOTIFICATION

NOTIFY WSU PROJECT MANAGER BRIAN FUNKE (509) 335-4209, BFUNKE@WSU.EDU TO SCHEDULE ANY AND ALL ELECTRICAL OUTAGES NEEDED TO PERFORM THE WORK. GIVE A MINIMUM OF 2 WEEKS ADVANCE NOTICE. COORDINATE WITH WSU. ALL WORK IS TO BE PERFORMED SO AS TO MINIMIZE OUTAGE DURATION. WHERE POSSIBLE AND PRACTICAL, MAKE NEW INSTALLATIONS AND PREP FOR CUTOVER TO NEW INSTALLATIONS PRIOR TO DEMOLITION WORK.
COMMUNITY/DUNCAN DUNN DEMOLITION NOTES

1. REMOVE 18-T1. DELIVER TO WSU. CONTACT BILL MORRIS, WRM@WSU.EDU.
2. REMOVE FIBER #19 BACK TO 18-JB & INTO TUNNEL. LEAVE IN MUNDO #23 DEFLECTED IN PLACE.

COMMUNITY/DUNCAN DUNN CONSTRUCTION NOTES

1. CONSTRUCT TWO (2) 72"X72"X24" HD, NEMA 3R LOCKABLE JUNCTION CABINETS. SEAL ALL CONDUITS AT TUNNEL ENTRY AND EXTEND CONDUITS FOR 30" IN FRONT OF JUNCTION CABINET TO THE WALL. PLACE PLASTERBOARD PANEL INSIDE JUNCTION CABINET.
2. NEW SECONDARY PREWIRED 500# SECONDRY CONNECTION CABINET. INSTALL ALL EXISTING TRANSFORMERS AND PRIMARY TRANSFORMER WIRING TO SECONDARY CONNECTION CABINET. INSTALL NEW SECONDARY CONNECTION CABINET.
3. INSTALL WIRING TO SECONDARY TRANSFORMER BLOCKS."
WILMER DAVIS DEMOLITION NOTES
1. REMOVE 18-VS-A CABLE BACK TO 18-JB-B.
2. REMOVE TRANSFORMER BANK AND ASSOCIATED CABLES TO TRANSFORMER BANK. DELIVER TO WSU. CONTACT BILL MORRIS, WRM@WSU.EDU.
3. REMOVE TRANSFORMER BANK AND ASSOCIATED CABLES TO BUS DUCT. DELIVER TRANSFORMER TO WSU. CONTACT BILL MORRIS, WRM@WSU.EDU.
4. BUS DUCT IS EXISTING TO REMAIN IN 4X4 BURYED.
5. CURRENTLY LINED FOR ALL 4X4 BURYING. REMOVE RECEPTACLES. CONDUIT AND WIRES BACK TO PANEL OR LAST ACTIVE JBOX.
6. CURRENTLY LINED FOR PIPING TO BE REMOVED. REMOVE BACK TO PANEL OR LAST ACTIVE JBOX.

WILMER DAVIS CONSTRUCTION NOTES
1. UPDATE NP1 PANEL SCHEDULE.
2. MAIN GROUNDING BUS NEAR FLOOR LEVEL.
3. REMOVE 18-T3 TRANSFORMER BANK AND ASSOCIATED CABLING TO BUS DUCT. DELIVER TRANSFORMER TO WSU. CONTACT BILL MORRIS, WRM@WSU.EDU.
4. BUS DUCT IS EXISTING TO REMAIN AND IS TO BE RE-USED. CURRENTLY USED FOR A/C TO BE REMOVED. REMOVE RECEPTACLE, CONDUIT, AND WIRE, BACK TO PANEL OR LAST ACTIVE JBOX.
5. CURRENTLY USED FOR FRIDGE TO BE REMOVED. REMOVE BACK TO PANEL OR LAST ACTIVE JBOX.
IRRICATION NOTES
1. WHEN IRRIGATION LINES ARE EXCAVATED, EMBARRASSMENT TO STOP DIGGING, HANG OFF TROWELS, AND LEAVE THE LINES LAYING ON THE GROUND UNTIL A PROFESSIONAL ARCHITECT/ENGINEER'S STAMP IS AFFixed. ALL LINES STRETCHED OUT OF THE GROUND SHOULD BE EMBARRASSED IN TOTAL UNDO TO THE CONTROLS VALVE.
2. WHEN BACKFILLING AT IRRIGATION PIPE LOCATIONS, SITE CONTRACTOR SHALL ONLY FULL FILL TO PIP LEVEL, REPAIR AND VICIOUS FLOODE TO GRAN.

ELECTRICAL DUCT BANK NOTES (AVISTA)
1. NOTE STOP WORK AND NOTIFY AVISTA IF A ISL Award for EXPRESSING DURING CONSTRUCTION ACTIVITIES. MINIMUM DIAMETER PIPES MAX 1-3/4" PVC.
2. REFERENCE AVISTA MAX 1-1/4" 70 FOR AVISTA DUCT BANK DETAILS.
3. USE SCHEDULE 40 PVC.
4. MINIMUM CONDUIT DIA.
5. ADD THE USE OF DEFERRAL OR EPOXY BANDING. CUMULATIVE BANDING BETWEEN VIALS SHOULD BE LIMITED TO 30 VIALS.
6. USE POSS DRAINAGE DIA. AND SHELL BE USED TO MARK THE TOP OF THE CONCRETE.
7. WHERE PROPOSED DUCT BANKS ARE TO BE COVERED, STANDARDS NOT TO EXCEED 12" HIGH AND SHELL BE MARKED WITH BEAD OR ARMS (AS CIRCLE). MINIMUM DIA. 3/4" PVC 1/2 FT.
8. MINIMUM GAP TOP TO TOP OF ELECTRICAL POWER CONSISTS 1" AT 30 VIALS.
9. EXISTING VTR OF INSTALLATION OF INSTALLATION, USE OF DEFORMING, Duct CONDUIT AND 1" SHADING, 3 4" TO CONDUIT TO CHECK FOR INTERSECTIONS VTR AND CLEAR CONDUIT PRIOR TO BENDS. INTERSECTIONS CAN BE CHECKED THE SMOKE TRAVERSE BEND TEST TO CLEAR THE DUCT BANK. MINIMUM BEND CURVATURE TO CLEAR THE DUCT BANK.
10. COORDINATE THE INSTALLATION OF AVISTA'S DUCT BANKS IN MEETING AVISTA'S STANDARD. PRE-HOOK MEETING WITH AVISTA Safari WILL HAVE IS TAKEN TO BE SURE NO CONFLICTS OCCUR AND THAT ALL CONSTRUCTION ACTIVITIES ARE ADEQUATE ADVANCE NOT TO INTERFERES WITH AVISTA'S ACTIVITIES.
11. ALSO PROVIDE WORK PLAN, AND TRAFFIC CONTROL PLAN. AVISTA WILL BE REQUIRED TO USE B交会S OUT TO WREDE PRIOR TO EXCAVATION.

EROSION / SEDIMENT CONTROL NOTES
1. THE SITE CONTRACTOR SHALL PROVIDE AND MAINTAIN STATIONARY SEDIMENT CONTROL FACILITIES TO ENSURE THAT SEDIMENT NOT DRAIN INTO THE NATUREAL PUBLIC WATERWAYS. THE SITE CONTRACTOR SHALL PRODUCTS THE SPECIFICATIONS SET FORTH IN WASHINGTON STATE DEPARTMENT OF CONSTRUCTION ACTIVITIES. ADDITIONAL FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SEDIMENTATION CONTROL OF THE PROJECT DURING CONSTRUCTION ACTIVITIES. THE OWNER IS RESPONSIBLE FOR THE OWNER AND RESPONSIBILITY OF THE CONTRACTOR OR CONTRACTOR TO EFFECT CONSTRUCTION CONDITIONS THAT MAY BE CREATED BY THEIR ACTIVITIES AND PROVIDE ADDITIONAL FACILITIES TO PROTECT PERMIT PROPERTIES.
2. THE CONTRACTOR SHALL KEEP ADEQUATE TO CLEAR ALL TIMES BY WATERING ALL AFFECTED AREAS WITH DROP DEVICES TO CLEAR ALL TIMES BY WATERING ALL AFFECTED AREAS. THE SITE CONTRACTOR SHALL IN DRAINAGE FOR NON-WORKING HOURS.
3. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE SYSTEMS. AS CONSTRUCTION PROGRESSES AND CONSTRUCTION, SHORE TUNNEL DURING UNDERMINING. SITE CONTRACTOR SHALL PROVIDE APPROPRIATE SHORING FOR DUCT BANK CONSTRUCTION AS NECESSARY. BACKFILL UNDER TUNNELS CONDITION DICTATE, ADDITIONAL FACILITIES MAY BE REQUIRED TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THEIR ACTIONS.
4. THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE/CATCH BASINS AROUND UTILITY TRENCH AND LOCK DURING NON-WORKING HOURS.
5. THE SITE CONTRACTOR SHALL PROVIDE APPROPRIATE SHORING FOR DUCT BANK CONSTRUCTION AS NECESSARY. BACKFILL UNDER TUNNELS CONDITION DICTATE, ADDITIONAL FACILITIES MAY BE REQUIRED TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THEIR ACTIONS.
6. THE SITE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE SYSTEMS. AS CONSTRUCTION PROGRESSES AND CONSTRUCTION, SHORE TUNNEL DURING UNDERMINING. SITE CONTRACTOR SHALL PROVIDE APPROPRIATE SHORING FOR DUCT BANK CONSTRUCTION AS NECESSARY. BACKFILL UNDER TUNNELS CONDITION DICTATE, ADDITIONAL FACILITIES MAY BE REQUIRED TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THEIR ACTIONS.
7. THE SITE CONTRACTOR SHALL SHORE TRENCH TO MINIMIZE TRENCH INFLATION. SITE CONTRACTOR SHALL PROTECT EXISTING TUNNELS DURING CONSTRUCTION ACTIVITIES.
8. THE SITE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITONS TO AVOID DAMAGE OR DISTURBANCE TO THE EXISTING UTILITIES DURING CONSTRUCTION. SITE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE SYSTEMS. AS CONSTRUCTION PROGRESSES AND CONSTRUCTION, SHORE TUNNEL DURING UNDERMINING. SITE CONTRACTOR SHALL PROVIDE APPROPRIATE SHORING FOR DUCT BANK CONSTRUCTION AS NECESSARY. BACKFILL UNDER TUNNELS CONDITION DICTATE, ADDITIONAL FACILITIES MAY BE REQUIRED TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THEIR ACTIONS.
9. THE CONTRACTOR SHALL LANDSCAPE AND LAWN AREAS IN KIND.
10. THE SITE CONTRACTOR MUST USE CONDUIT SPACERS EVERY 4 FT. RED DYE SHALL BE USED TO SWAB AND CLEAN CONDUIT PRIOR TO MANDREL, SWABBING CAN BE REPEATED.
11. THE SITE CONTRACTOR MUST USE CONDUIT SPACERS EVERY 4 FT. RED DYE SHALL BE USED TO SWAB AND CLEAN CONDUIT PRIOR TO MANDREL, SWABBING CAN BE REPEATED.
12. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE SYSTEMS. AS CONSTRUCTION PROGRESSES AND CONSTRUCTION, SHORE TUNNEL DURING UNDERMINING. SITE CONTRACTOR SHALL PROVIDE APPROPRIATE SHORING FOR DUCT BANK CONSTRUCTION AS NECESSARY. BACKFILL UNDER TUNNELS CONDITION DICTATE, ADDITIONAL FACILITIES MAY BE REQUIRED TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THEIR ACTIONS.
13. THE SITE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE SYSTEMS. AS CONSTRUCTION PROGRESSES AND CONSTRUCTION, SHORE TUNNEL DURING UNDERMINING. SITE CONTRACTOR SHALL PROVIDE APPROPRIATE SHORING FOR DUCT BANK CONSTRUCTION AS NECESSARY. BACKFILL UNDER TUNNELS CONDITION DICTATE, ADDITIONAL FACILITIES MAY BE REQUIRED TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THEIR ACTIONS.
14. PRIOR TO CONSTRUCTION SITE CONTRACTOR SHALL PROVIDE EXCAVATION TEMPLATE WITHIN 5 DAYS OF INSTALLATION, USE 3.5" MANDREL IN 4" CONDUITS AROUND UTILITY TRENCH AND LOCK DURING NON-WORKING HOURS.
15. THE CONTRACTOR SHALL PROVIDE MANHOLE/CATCH BASINS TO ENSURE THAT OVERFLOWING WATER ENTERING THE CONDUITS WILL DRAIN INTO A VAULT AT EITHER END OF CONDUIT OR ON THE SAME STREET (AS CIRCLE). MINIMUM DIA.
16. THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE/CATCH BASINS AROUND UTILITY TRENCH AND LOCK DURING NON-WORKING HOURS.
17. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE SYSTEMS. AS CONSTRUCTION PROGRESSES AND CONSTRUCTION, SHORE TUNNEL DURING UNDERMINING. SITE CONTRACTOR SHALL PROVIDE APPROPRIATE SHORING FOR DUCT BANK CONSTRUCTION AS NECESSARY. BACKFILL UNDER TUNNELS CONDITION DICTATE, ADDITIONAL FACILITIES MAY BE REQUIRED TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THEIR ACTIONS.
18. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITONS TO AVOID DAMAGE OR DISTURBANCE TO THE EXISTING UTILITIES DURING CONSTRUCTION. SITE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE SYSTEMS. AS CONSTRUCTION PROGRESSES AND CONSTRUCTION, SHORE TUNNEL DURING UNDERMINING. SITE CONTRACTOR SHALL PROVIDE APPROPRIATE SHORING FOR DUCT BANK CONSTRUCTION AS NECESSARY. BACKFILL UNDER TUNNELS CONDITION DICTATE, ADDITIONAL FACILITIES MAY BE REQUIRED TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THEIR ACTIONS.
- CONTRACTOR TO PROVIDE AN OPEN CONTINUOUS EXPLORATORY TRENCH WHERE NEW UNDERGROUND ELECTRICAL CONDUITS ARE SHOWN TO BE INSTALLED BY MEANS OF HYDRO EXCAVATION IN CONFIRMING AND EXPOSING THE LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING WITH HEAVY DIGGING EQUIPMENT.

- PRIOR TO DIGGING, CONFIRM LAYOUT OF SWGR WITH WSU AND AVISTA.

- CONCRETE PAD PER DETAIL 4, SHEET C3, PLACE 12" BEHIND SIDEWALK.

- FOUR SPARE CONDUITS FROM JUNCTION ENCLOSURE TO EXTEND 12" PAST DUCT BANK AND CAP FOR FUTURE.

- EXISTING TREE TO REMAIN.

- BOLLARD PER DETAIL 7, SHEET C3, LOCATE 6" BEHIND SIDEWALK.

- BURIED ELECTRICAL ENCLOSURE PER DETAIL 5, SHEET C3.

- SEE ELECTRICAL E201 FOR DUNCAN DUNN CONNECTION.

- SEE ARCHITECTURAL FOR BUILDING PENETRATION DETAIL.

- Avista's Junction Enclosure, see electrical.

- Existing parking sign to remain (typical).

- Concrete pad per DETAIL 6, SHEET C3, TRANSFORMER IS FUTURE. BBE ELECTRICAL PLANT PLACED 12" BEHIND SIDEWALK.

- FOUR SPARE CONDUITS FROM JUNCTION ENCLOSURE TO EXTEND 12" PAST DUCT BANK AND CAP FOR FUTURE.
CONCRETE ENCAPSULATION WITH A REINFORCEMENT LEVEL IN THE TOP

KEEP DUCTS LEVEL IN TRENCH

2" CRUSHED SURFACING TOP COURSE

2" CRUSHED SURFACING TOP COURSE

CONCRETE ENCAPSULATION WITH A REINFORCEMENT LEVEL IN THE TOP

KEEP DUCTS LEVEL IN TRENCH

2" CRUSHED SURFACING TOP COURSE

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For the Records:

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<th>Company Name</th>
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<tr>
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Electrical Engineer:

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Electrical Contractor:

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Modernizing Duct Banks (Detail)

- Concrete Enapsulation
- Rebar Placement
- Crushed Surfacing

Concrete Details:

- 4" Concrete
- 2" Crushed Surfacing

Crushed Surfacing:

- 2" Crushed Surfacing
- Crushed Surfacing Level in Trench

Rebar Details:

- 4" Rebar in 4" O.C. Each (Typ)
- 2" Crushed Surfacing

 Crushed Surfacing Details:

- 2" Crushed Surfacing
- Crushed Surfacing Level in Trench

Rebar Details:

- 4" Rebar in 4" O.C. Each (Typ)
- 2" Crushed Surfacing

Crushed Surfacing Details:

- 2" Crushed Surfacing
- Crushed Surfacing Level in Trench

Concrete Enapsulation Details:

- Concrete Enapsulation
- Rebar Placement
- Crushed Surfacing

Rebar Details:

- 4" Rebar in 4" O.C. Each (Typ)
- 2" Crushed Surfacing

Crushed Surfacing Details:

- 2" Crushed Surfacing
- Crushed Surfacing Level in Trench

Concrete Enapsulation Details:

- Concrete Enapsulation
- Rebar Placement
- Crushed Surfacing