



SNOQUALMIE VALLEY

SCHOOL DISTRICT

ADMIN TO MT SI HIGH SCHOOL DIVERSITY ROUTE REQUEST FOR PROPOSAL

Snoqualmie Valley School District (the “District”) is requesting proposals for OSP work from our Administration Center to Mount Si High School Data Center. Below are the requirements for the proposals. Please remit electronically to Ryan Vannatta at vannattar@svsd410.org by close of business Friday, September 1, 2023.

The District notes that the construction work contemplated by this RFP is contingent on approval of all applicable permits by the City of Snoqualmie (the “City”). Upon the City’s approval of all applicable permits, the District intends to issue a construction Notice to Proceed (“NTP”) to the Contractor for performance of all construction Work in accordance with the RFP and Contract. In the event the City denies the permit, the District intends to terminate the Project/Contract, and will not issue the NTP. In the event of such termination, the District shall reimburse the Contractor for approved preconstruction services on an agreed time and materials basis, in a sum not to exceed \$5,000.

MATERIALS:

- 24F FIBER CABLE TO BE PROVIDED BY SVSD.
- CORNING CCH-01U PANELS AND CORNING 24F LC/APC CASSETTES TO BE PROVIDED BY SVSD.
- ALL OTHER MATERIALS TO PERFORM THIS SCOPE OF WORK TO BE PROVIDED BY CONTRACTOR.
- ALL BORED IN CONDUIT SHALL BE 2” SDR-9.
- 3-CELL DETECTABLE MAXCELL INNERDUCT SHALL BE PLACED IN ALL OSP CONDUIT SEGMENTS (NEW AND EXISTING) THAT DO NOT CURRENTLY CONTAIN DETECTABLE MAXCELL INNERDUCT UNLESS OTHERWISE SPECIFIED.

GENERAL NOTES:

- ALL PERMITS TO PERFORM SCOPE OF WORK WILL BE PROVIDED TO CONTRACTOR BY SVSD.
- ALL NEW CONDUIT INSTALLED SHALL HAVE A MINIMUM OF 36” OF COVER.
- ALL RESTORATION WORK SHALL BE PERFORMED TO CITY OF SNOQUALMIE SPECIFICATIONS.
- CORE-ALIGNMENT FUSION SPLICER SHALL BE USED FOR ALL SPLICE & TERMINATION WORK.
- ALL FIBER STRANDS SHALL BE BI-DIRECTIONALLY OTDR TESTED AT BOTH 1310 NM & 1550 NM PER TIA-526-7. ALL NEW SPLICES & CONNECTORS SHALL BE IN COMPLIANCE WITH THE INSERTION LOSS AND RETURN LOSS VALUES SET FORTH IN ANSI/TIA-568-3.D-1 FOR REFERENCE GRADE CONNECTORS. TESTS SHALL BE PERFORMED ACCORDING TO THE MANUFACTURER’S INSTRUCTIONS FOR THE TEST SET BEING UTILIZED. OTDR TRACE RESULTS SHALL BE SUBMITTED TO SVSD IN PDF FORMAT FOR ACCEPTANCE. ANY SPLICES OR TERMINATIONS NOT MEETING SPECIFICATIONS WILL BE REQUIRED TO BE RE-SPLICED AND RE-TESTED UNTIL REQUIRED TEST VALUES ARE ACHIEVED.
- AS BUILT SHALL BE PROVIDED AT PROJECT COMPLETION, INCLUDING BORE PROFILE / BORE LOGS.
- FIBER IN/OUT SEQUENTIALS SHALL BE RECORDED AT EACH HANDHOLE AND IN MDF AT ENTRANCE TO ROOM AND AT TERMINATION PANEL. THIS SHALL BE INCLUDED IN CONTRACTOR PROVIDED AS-BUILT AT PROJECT COMPLETION.
- CONTRACTOR SHALL PROVIDE DAILY WRITTEN PROGRESS REPORTS TO SVSD FOR THE DURATION OF THE PROJECT.

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- FINAL PAYMENT FOR WORK IS CONTINGENT ON PASSING CITY INSPECTION AND CLOSING OF PERMITS.

OUTSIDE PLANT PROJECT SCOPE:

1. AT ADMIN BUILDING (213 SILVA AVE SE): TRENCH (1) 2" SCH-80 PVC CONDUIT FROM WAREHOUSE TO PSE POLE 219419-175449. INSTALL RMC RISER ON WALL OF WAREHOUSE, AND INSTALL (2) 6" CONCRETE BOLLARDS TO PROTECT RISER. PLACE 2" RISER ON PSE POLE.
2. INSTALL EHS STRAND ALONG PSE POLE LINE SOUTH ON 384TH AVE SE TO PSE POLE 219323-175449 (NORTH OF SE NEWTON) AND INSTALL (1) 2" RISER.
3. TRENCH (1) 2" CONDUIT SOUTH ON 384TH AVE SE, SET 25-TA HANDHOLE AT SE NEWTON ST. FROM 25-TA, BORE (1) 2" CONDUIT EAST ON SE NEWTON ST TO DOONE LN SE AND SET 25TA HANDHOLE.
4. FROM 25TA HANDHOLE AT DOONE LN SE, BORE (1) 2" CONDUIT EAST APPROXIMATELY 330' TO PSE POLE 219314-175542 AND INSTALL (1) 2" RISER.
5. INSTALL EHS STRAND ALONG EXISTING PSE UTILITY POLES FROM PSE POLE 219314-175542 EAST ON SE NEWTON ST TO 219330-175572 & PLACE (1) 2" RISER.
6. DIRECTIONAL BORE FROM PSE POLE 219330-175572 EAST ON SE NEWTON ST, THEN SOUTH ACROSS SE NEWTON ST TO 219331-175587, PLACE HANDHOLE AT BASE OF POLE, TRENCH TO POLE AND PLACE 2" RISER.
7. INSTALL EHS STRAND ALONG EXISTING PSE POLES FROM PSE POLE 219331-175587 EAST ON SE NEWTON ST, SOUTH ON FALLS AVE SE AND WEST ON SE GAMMA ST TO POLE 219249-175704 AND INSTALL NEW 2" RISER.
8. DIRECTIONAL DRILL (1) 2" CONDUIT EAST TO EXISTING MT SI HIGH SCHOOL COMMUNICATIONS VAULT.
9. LASH (1) 24F CABLE ALONG AERIAL ROUTE, PULL (1) 24F THROUGH ALL CONDUIT PATHWAY.

ADMIN BUILDING ISP PROJECT SCOPE:

1. INSTALL (1) SMARTLB (SEE PLAN DOCUMENTS FOR SPECIFICATION) AND PENETRATE EXTERIOR WALL OF WAREHOUSE. CONNECT LB TO RMC RISER FROM TRENCH THAT WAS PLACED IN OSP PORTION OF PROJECT.
2. INSTALL 12"X12"X6" JUNCTION BOX AT INTERIOR/EXTERIOR TRANSITION INSIDE OF GARAGE.
3. INSTALL 2" EMT CONDUIT FROM NEW JUNCTION BOX APPROXIMATELY 110' TO WAREHOUSE IDF ROOM.
4. PULL 24F CABLE THROUGH NEW CONDUIT AND EXISTING CONDUIT FROM OSP POINT OF ENTRY TO ADMIN BUILDING MDF ROOM (APPROXIMATELY 380').
5. INSTALL (1) CCH-01U IN EXISTING 2-POST RACK & INSTALL (1) CORNING LC-APC CASSETTE. TERMINATE (1) 24F CABLE.

MT SI HIGH SCHOOL ISP PROJECT SCOPE:

1. INSTALL (1) DETECTABLE 3-CELL MAXCELL FROM EXISTING MT SI HS COMMUNICATIONS VAULT TO IDF 7149 IN EXISTING 2" CONDUIT.
2. INSTALL (1) 1" INNERDUCT IN EXISTING 4" CONDUIT FROM IDF 7149 TO MDF ROOM.
3. PULL (1) 24F CABLE FROM EXISTING MT SI HS COMMUNICATIONS VAULT TO MDF ROOM.
4. COORDINATE WITH SVSD TECHNOLOGY STAFF TO SHIFT 2 LEVITON FIBER TERMINATION PANELS IN ORDER TO MAKE ROOM FOR NEW OSP FIBER TERMINATION PANEL IN FIBER TERMINATION CABINET.
5. INSTALL (1) CORNING CCH-01U FIBER TERMINATION PANEL IN RU 29 IN FIBER TERMINATION CABINET. INSTALL (1) 24F LC-APC CASSETTE. TERMINATE (1) 24F CABLE.