



ADDENDUM TO THE CONTRACT

for the

OUTER DRIVE & WEST JUNEAU WASTEWATER LIFT STATION IMPROVEMENTS Contract No. BE23-194

ADDENDUM NO.: TWO

CURRENT DEADLINE FOR BIDS:
February 23, 2023

PREVIOUS ADDENDA: ONE

ISSUED BY: City and Borough of Juneau
ENGINEERING DEPARTMENT
155 South Seward Street
Juneau, Alaska 99801

DATE ADDENDUM ISSUED: February 16, 2023

The following items of the contract are modified as herein indicated. All other items remain the same. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Public Purchase webpage at: <https://www.publicpurchase.com/gems/juneau,ak/buyer/public/home>

CLARIFICATIONS:

Question: *“Spec 40 71 00 Inline Liquid Flow Measuring Systems 2.1.B. Flow Switch listed by McDonnell Miller is indeed a liquid flow switch but there is no identifier or electrical callout for one. There is an air flow switch on M301/M302 and on the electrical drawings that is for the exhaust fans. Can this reference to a liquid flow switch be deleted?”*

Response: Yes, the flow switch in 40 71 00, 2.1B is not required. The required flow switch (FS-120) will need to be as specified in Section 23 31 00, 2.5 and rated for use as a 24VDC discrete input to the PLC (see sheets) E-508, E-513).

Question: *“Drawing C-101 at Outer Drive, the 20” active force main is faintly drawn and appears to have a pneumatic actuated knife gate in a 36” square hatch that is beyond the limits of the building. This appears to be the only isolation valve between the building piping and the twin 8” bypass lines that connect downstream of this valve. Please confirm, is this the isolation valve to be used during bypass pumping for disassembly of the interior piping? Upon loss of air pressure to the actuator, does this valve fail in a closed position? Should this valve show up on drawing D-101 and also be monitored and controlled by the SCP? A similar question regarding an isolation valve is asked for the West Juneau lift station when reviewing drawing C-102 where it appears there is no valve between the twin 8” bypass lines and the building piping. Does an isolation valve exist in order to disassemble the interior piping during bypass pumping?”*

Response: The Outer drive force main isolation valve is the 20” KGV mentioned, correct it is to be used during bypass pumping. This knife gate valves should not require air pressure to maintain position, only to actuate. Improvements to this 20” KGV outside of the station are not in the scope of work. This valve does not need to be monitored and controlled by the SCP. The valve is available to the Contractor for use for bypass isolation. No we did not intend to show the valve D-101 because is shown on C-101 with the other yard valves available for bypass function.

The West Juneau force main isolation is located in the facility, there is no confirmed operable isolation valve in the yard but 1979 DOT&PF as-builts indicate a yard valve

on the force main between the new bypass vault constructed circa 2010 and the facility. This valve, if discovered to be functional, may be used. The existing interior valve may be used for the majority of bypass pumping, but the interior piping improvements would require line-stopping, insertion valve, or brief shutdown and draining of the force main to install the new isolation plug valve (PV-202) in the station.

A new isolation valve on the 12" force main for the purpose of bypass pumping may be installed in the interior piping or a direct bury valve may be installed in the yard. If the Contractor elects to excavate to perform a line-stop or install an insertion valve, the valve shall be bedded and backfilled in accordance with CBJ Standard 02203 – Trenching. During excavation, if the Contractor encounters contaminated soils, notify Engineer and Owner before proceeding.

Questions: *"Asking for clarification with the 41 22 23.19 Monorail Chain Hoist where the spec says these hoists are 1.3 HP. OD drawing E-302 in the equipment schedule lists BC-1 as 2.5 HP while WJ drawing E-303 lists BC-1 as 5 HP. Section 2.1 does not indicate a specific capacity for either station. What is the required capacity and corresponding HP for these two electric hoists?"*

Response: The motorized hoists with 1.3HP motors are to be installed on the existing monorails in Outer Drive and West Juneau. Hoist in Outer drive should be capable of 3 tons, and in West Juneau 2 tons.

Question: *"Also inquiring from monorail chain hoist spec in section 2.1.B.2 where it says to suspend the hoists from support structures provided under division 5. We believe the monorails at each lift station are existing since they aren't detailed. Is this a correct assumption?"*

Response: The monorails in both stations are existing. The non-motorized chainwheel hoist specified in Section 41 22 13 Mast Type Jib Crane would be mounted on the Jib Crane, it requires load rating of 6,000 lbs. See Item No. 2 below.

Question: *"Addendum 1 indicates that Flygt MAS system is not required for West Juneau pumps. Please confirm whether this is still required for Outer Drive pumps 101-103."*

Response: The MAS system is required for Outer Drive Pumps 101-103.

Question: *"Please clarify/confirm that the contractor will be responsible for all PLC and HMI software development, including integration at the WWTF"*

Response: Yes, the contractor is responsible for all SCADA software development at the lift stations.

No, the contractor is not responsible for integration work at the head end of the wireless data network. See added paragraph to section 40 61 00 for more clarification.

Question: *"Please confirm what software is presently being used at the WWTF, and if this should be the same at each of the lift stations."*

Response: Assuming the question is about integration software. CBJ utility uses Ignition by inductive automation for all new installs. Yes, each station should receive the same.

Question: "Also please clarify in the addendum 1 valve schedule sent out that the knife gate valve for the OD wet weather pump suction line (KGV-102) needs to be 18" and not 10"."

Response: Yes, KGV-102 needs to be 18". The valve schedule in addendum no.1, has this labeled incorrectly

PROJECT MANUAL:

Item No. 1 SECTION 40 61 00 PROCESS CONTROL AND INSTRUMENTATION SYSTEMS AND COMMISSIONING, 1.1.A.

Add the following paragraph:

2. The City and Borough of Juneau's (CBJ's) SCADA System Manager will provide all programming required at the head-end SCADA client server and PC equipment to allow for data collection, organization, and communication at that location.

Item No. 2 SECTION 41 22 23.19 MONORAIL CHAIN HOIST

Delete paragraph 2.1.B. 2. Suspend hoist/trolley system from support structures provided under Division 5.

By:  for Greg Smith
Greg Smith,
Contract Administrator

Total number of pages contained within this Addendum: 3