

March 25th, 2026



PO Box 2275
Estacada, OR 97023
(503) 807-2085

Kyle Stephens
WWTP Operations Manager
City of Camas, Washington
1129 SE Polk St
Camas, WA 98607

via email: kstephens@cityofcamas.us

Subject: Proposal for City of Camas Wastewater Treatment Plant PLC-A Replacement, Rev 1

OCD Automation Inc. (OCD Automation) is pleased to provide this proposal to the City of Camas for professional services, automation hardware components, and commissioning services to support the automation hardware upgrade of the Shop Building Programmable Logic Controller (PLC) at the City of Camas Wastewater Treatment Plant.

The Shop Building Modicon Quantum PLC (PLC-A) hardware has been discontinued and product support will soon be ending. Based on recent Solids Plant failures and system outages of other PLC systems that required replacement (PLC-C and PLC-D), it appears that this Modicon Quantum hardware is nearing the end of life, and its replacement is necessary to mitigate additional unexpected outages. In addition to the PLC upgrade, additional improvement to PLC-A panel will be updating the 24VDC panel power supply to a 24VDC Uninterruptable Power System (UPS) that power Input/Output signals and the PLC hardware in the PLC-A control panel.

OCD Automation is well positioned to support Camas effectively with our deep understanding of System Control and Data Acquisition (SCADA) systems, our depth of highly skilled technical staff near the wastewater treatment plant, and our familiarity and tribal knowledge of the plant itself. OCD Automation's employee Jake Ositis will be supporting this project primarily and Jake brings years of earned experience from his support of multiple municipalities and water providers throughout the Pacific Northwest. Furthermore, OCD Automation has been actively supporting the Camas Wastewater Treatment plant for over a decade and is familiar with the people, protocols, and expectations of the City of Camas for the successful execution of this work. Jake will be supported by a talented team as all OCD Automation employees are effective at programming the PLCs and Human-Machine-Interface software (HMI) utilized at the Camas Wastewater Treatment plant. Additionally, all OCD Automation staff can directly execute troubleshooting of controls system signals, networks, instrumentation, automation components as issues arise.

Scope and Work and Deliverables Provided by OCD Automation:

- Execution of detailed plan to swap out of the single PLC chassis that comprise the Shop Building Modicon Quantum PLC system (PLC-A). Design deliverables will include the following:
 - 24VDC UPS power installed in the shop PLC panel for new PLC/Network hardware and analog I/O signals.
 - Upgrade design will be conveyed as PDF redlines drafted upon PDF scans of the existing plant PLC network block diagram, the PLC-A panel drawings, and the PLC panel's respective control loop drawings where applicable. Up to 10 total drawing sheets are assumed to be redlined below.
 - 1 Demolition drawing for the PLC cabinet identifying hardware and circuits to be removed.
 - 1 Network Block Diagram identifying network components, and cabling to be installed between them.
 - PLC cabinet layout drawing redlines of each of the control cabinet identifying new hardware to be installed.
 - PLC cabinet power schematics of each of the control cabinet identifying modified and new circuits.
 - 6 loop drawing updates reflecting new PLC hardware for the 3 digital I/O cards.
 - 2 loop drawing updates reflecting new PLC hardware for the 2 analog I/O cards.
 - Refinement of PDF redlines based on final implementation, startup, and commissioning efforts of the PLC panel upgrades.
- Configuration and Programming of OCD Automation Provided Hardware:
 - Migration of current Modicon Quantum PLC-A code into the Modicon M580 plc platform. The PLC programming will replicate the existing programming with the following features requested:
 - Review, adjustments, and cleanup of function blocks and datatypes based on usage to eliminate unused logic and variables.
 - Update of motor and motorized valve function blocks and datatypes to make HMI manual operation, speed control available to the operators from the HMI for a future SCADA upgrade project
 - Development of an analog transmitter function block and datatype to allow transmitter scaling, diagnostics, and alarm setpoints to be available to the operators from the HMI for a future SCADA upgrade project.
- OCD Automation will provide 3 days of onsite startup support at the Camas Wastewater Treatment Plant during PLC panel upgrade during implementation phase to support the City of Camas's installing electrician.
- OCD Automation employees Jake Ositis (E5) and Anthony Zacateco-Hernandez (E2) are expected to be the primary staff members working on project tasks, assisted as necessary by others.

Materials:

- See Attachment 1, itemized hardware list.

Info Needs:

- Existing Network Block Diagrams, PLC-A Panel Drawings and I/O Loop Drawings in PDF or native CAD format.

Assumptions/Exclusions:

- No trade craft labor is included or electrical materials other than those identified in Attachment-1 will be provided. Spare parts not included.
- It is assumed that any onsite electrical demolition or installation work and any materials not identified in Attachment-1 will be provided by the City's installing electrician. OCD Automation will be onsite during the implementation phase of the project to directly support the City's electrical contractor.
- PDF Redlines or modification of existing CAD drawings is assumed. Development of new CAD drawings is not anticipated or included.
- Services will be executed under the terms and conditions of our Agreement for Professional Services agreement.

Schedule

OCD Automation can be ready to start the design, procurement, and programming efforts upon receipt of purchase order referencing this proposal letter.

Invoicing

The anticipated hardware costs will be invoiced at project onset, with subsequent invoices based on project progress submitted monthly.

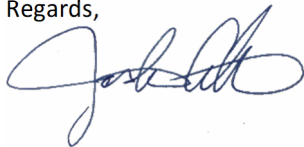
Cost of Services

The services to execute this work will be performed on a lump sum basis to a target budget of **\$59,962**, broken down as follows:

- Labor: \$30,522
- Materials: \$29,440

We appreciate the opportunity to provide these services and your consideration of our project proposal for this work. This proposal is valid for 30 days. If there are any questions, please don't hesitate to contact Jake Ostitis at (503) 910-5364 or jake.ositis@odcautomation.com.

Regards,



Justin D. Colton
President, OCD Automation Inc.

Attachments:

- 1) Hardware and Components List



PO Box 2275
Estacada, OR 97023
(503) 807-2085

ATTACHMENT-1
PLC Hardware and Components List

Description	Manufacturer	Part Number	Quantity	Notes
QUINT4-PS/1AC/24DC/20 - Power supply unit	Phoenix Contact	2904602	2.00	
QUINT4-UPS/24DC/24DC/20 - Uninterruptible power supply	Phoenix Contact	2907071	2.00	
UPS-BAT/PB/24DC/12AH - Battery module	Phoenix Contact	1274119	2.00	
X-Slot Ethernet Backplane	Schneider	BMEXBPxx00	1.00	Size as needed
High Power 24-48VDC Power Supply	Schneider	BMXCPS3020	1.00	
M580 CPU Level 40 - DIO and RIO	Schneider	BMEP584040	1.00	
M580 Ethernet IP, 3-Port	Schneider	BMENOC0301	1.00	
Digital Input, 16 Channel, 120VAC, Sinking	Schneider	BMXDAl1604	2.00	
Terminal block, Modicon X80, 20-pin removable caged	Schneider	BMXFTB2000	3.00	
Digital Output, 8 Channel, Form-C Relay	Schneider	BMXDRC0805	1.00	
Terminal block, Modicon X80, 40-pin removable caged	Schneider	BMXFTB4000	1.00	
Analog Input, 8 Channel, Current/Voltage	Schneider	BMXAMI0810	1.00	
Terminal block, Modicon X80, 28-pin removable caged	Schneider	BMXFTB2800	1.00	
Analog Output, 4 Channel, Current/Voltage	Schneider	BMXAMO0410	1.00	