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DOUGLAS COUNTY DOOR CONTROL, HMI, & PLC PROPOSALS (with servers)

May 1, 2025

Douglas County Facilities
3026 North Industrial Way
Castle Rock, CO 80109

RE: Douglas County Justice Center Door Control, HMI, & PLC Equipment

SYNOPSIS

KUBL Group completed a reprogramming of the door control and intercom systems at the Douglas County Justice Center in June of 2018 from a standalone system to a client-server system, and also deployed a HMI CPU, monitor, and software update in early 2022. The quote below summarizes a quote to provide updated hardware and software, similar to the project completed in 2022.

Please note all pricing is based on KUBL's active GSA contract 47QSWA23D007U.

SCOPE 1: SOFTWARE & SERVERS: Provide & configure Door Control Servers, Update Door Control Software, Upgrade Harding Firmware, PLC Software

GENERAL:

1. The overall scope of this project is to provide & configure two new HMI servers with the appropriate current versions of software and hardware to function as currently configured, upgrade all Harding firmware to the latest available, and provide the latest PLC software. No other program updates or features changes are included.

KUBL RESPONSIBILITIES:

1. Configure two new KUBL-provided servers for the HMI system. KUBL to install Windows Server 2022 and all necessary software installed to match the configuration of the current HMI server configuration, performance, and storage parameters. This includes quarterly Windows updates and patching of these units via scheduled remote sessions for 1 year from the installation date (4 total).
2. Upgrade the existing InduSoft runtime + development licenses to current version at time of purchase. Licenses will be for a 16K tag count to match existing (project is currently at 5500 tags). Reuse existing software dongles.
3. Provide and install a single license of PAC Machine Edition Professional software (formerly GE Proficy) on the secondary server to allow for any future PLC modifications.
4. Upgrade all Harding DCCs to the latest available version of firmware.
5. Configure and test servers at the KUBL shop prior to onsite deployment
6. Onsite deployment and installation of the two new servers and Harding Firmware during business hours or after hours.
7. Onsite and remote troubleshooting of any issues related to the scope of work provided by KUBL Group (regular business hours and after-hours)

FACILITY RESPONSIBILITIES:

1. Provide a single point of contact for scheduling and payment
2. Remove and dispose of existing HMI servers
3. Provide an escort throughout the facility for KUBL staff during deployment and testing phase
4. Provide remote access to the two County-provided servers as needed for troubleshooting
5. Configure any RDP, LDAP, or other Windows system requirements, as determined by the Douglas County IT department
6. Troubleshooting of any functions, devices, or programming on the new systems, that were not operational on the existing system.

GENERAL INCLUSIONS:

1. All Labor, Per Diem, Travel to complete our scope of work herein.
2. On-site deployment and testing of the new servers and software as stated above.
3. Remote or in-person coordination meetings for the LDAP integration as stated above
4. Remote troubleshooting and testing of the new servers and software.

5. One-year workmanship warranty for programming, hardware, and services performed by KUBL Group.

GENERAL EXCLUSIONS:

1. Taxes of any type.
2. Bonds of any type.
3. Permits or fees of any type.
4. Equipment not specifically mentioned herein. We have assumed all equipment supplied by the county, or to be reused, is in proper working order.
5. Any programming changes or modifications not specifically mentioned in above sections (can be performed at current T&M rates)
6. Any camera callup or .JSON file changes for any workstation.
7. Any work on the CCTV system of any type
8. Network configuration or troubleshooting of any type.
9. Expedited Schedule.

SCHEDULE:

1. Equipment lead time is currently 12-16 weeks.
2. Configuration shop setup/testing of equipment: 3 weeks
3. Onsite deployment: 1 week
4. Total anticipated project duration: 16-20 weeks.

PAYMENT TERMS:

1. 50% upon receipt of PO, 50% upon project completion

TOTAL COST: \$227,290.00 (two hundred twenty-seven thousand two hundred ninety and no/100)

HARDWARE COST: \$28,480

SOFTWARE COST: \$67,820

HARDWARE LABOR COST: \$39,730

SOFTWARE LABOR COST: \$91,260

SCOPE 2: HARDWARE: Twenty-one (21) Replacement HMI Client CPUs and Twenty-one (21) 32” Touchscreens

GENERAL:

1. The overall scope of this project is to provide new HMI Client CPUs and touchscreens at all current locations. No new locations or system modifications are required.

KUBL RESPONSIBILITIES:

1. Provide, configure, and install twenty-one (21) new Dell 3460 Small Form Factor CPU workstations to act as the clients for the HMI system, replacing the current units. Dell 3440 SFF CPU, Windows 11 Pro 64-bit, 16GB ECC Memory 4800MHZ, Intel Core i9-4900 Processor (2.1 - 5.8GHz), Nvidia T1000 4GB Graphics Card (4mDP connectors), M.2 500GB SSD. Final model of CPU can be discussed and finalized prior to order, assuming the CPU does not exceed the specifications above.
2. Provide, configure, and install twenty-one (21) 32” touchscreens at existing locations (Viewsonic, ELO or equivalent), locations TBD
3. Install all necessary InduSoft SecureViewer software and Avigilon SDK applications on each CPU
4. Configure and test CPUs at the KUBL shop prior to onsite deployment
5. Onsite deployment and installation of the CPUs. Can be performed during regular business hours with minimal facility interruption.
6. Onsite and remote troubleshooting of any issues related to the scope of work provided by KUBL Group (regular business hours and after-hours)

FACILITY RESPONSIBILITIES:

1. Provide a single point of contact for scheduling and payment
2. Remove and dispose of existing HMI servers
3. Provide an escort throughout the facility for KUBL staff during deployment and testing phase
4. Provide remote access to the two KUBL-provided servers as needed for troubleshooting
5. Configure any RDP, LDAP, or other Windows system requirements, as determined by the Douglas County IT department
6. Troubleshooting of any functions, devices, or programming on the new systems, that were not operational on the existing system.

GENERAL INCLUSIONS:

1. All Labor, Per Diem, Travel to complete our scope of work herein.
2. On-site deployment and testing of the new servers and software.
3. Remote troubleshooting and testing of the new servers and software.
4. One-year workmanship warranty for the scope of work performed by KUBL Group.

GENERAL EXCLUSIONS:

1. Taxes of any type.
2. Bonds of any type.

3. Permits or fees of any type.
4. Equipment not specifically mentioned herein. We have assumed all equipment supplied by the county, or to be reused, is in proper working order.
5. Any programming changes or modifications (can be performed at current T&M rates)
6. Any camera callup or .JSON file changes for any workstation.
7. Any work on the CCTV system of any type
8. Network configuration or troubleshooting of any type.
9. Expedited Schedule.

SCHEDULE:

1. Equipment lead time is currently 12-16 weeks.
2. Configuration shop setup/testing of equipment: 3 weeks
3. Onsite deployment: 1 week
4. Total anticipated project duration: 16-20 weeks.

PAYMENT TERMS:

1. 50% upon receipt of PO, 50% upon project completion

TOTAL COST: \$221,760.00 (two hundred twenty-one thousand seven hundred sixty and no/100)

CPU HARDWARE COST: \$72,500

TOUCHSCREEN HARDWARE COST: \$55,100

SOFTWARE COST: \$0 (software cost in scope 1 above)

HARDWARE LABOR COST: \$43,470

SOFTWARE LABOR COST: \$50,690

GRAND TOTAL FOR SCOPES 1 & 2 ABOVE:

\$449,050 (four hundred forty-nine thousand fifty and no/100)

CLOSING

We appreciate the opportunity to partner with Douglas County to provide a solution to fit your needs. If there are any questions or concerns, please feel free to call or email any time.

Respectfully,



Blake Bretz
Principal, KUBL Group
720.644.7980 • Cell
bbretz@kublgroup.com

ACCEPTANCE OF PROPOSAL

By signing below, I authorize KUBL Group, LLC to proceed with the scope of work outlined herein, for the term stated. Any and all work performed by KUBL Group shall be billable and payable as defined above. Also, by signing this document, I declare I am duly authorized to enter into this contract on behalf of my agency.

Name: _____

Printed Name: _____

Title: _____

Date: _____