



Busker Communications, Inc.
2567 Athens Hwy
Gainesville, GA 30507

QUOTE
19074

COMPANY **JOB LOCATION**

| | | |
|--|---|--------------------------------------|
| Company: City of Dalton | Company: John Davis Recreation Center | Date: 2024-07-22 |
| Address: 300 W Waugh Street Dalton, GA 30722 | Address: 904 Civic Drive Dalton, GA 30721 | Sales Rep: Mark Shively |
| Contact: Caitlin Sharpe | Contact: | Phone: (404)867-8491 |
| Phone: | Phone: | Email: mshively@buskercom.com |
| | | Exp Date: 2024-08-21 |

TITLE

Low Voltage - John Davis Recreation Center V2

SCOPE OF WORK

City of Dalton
PAB: Architectural Drawing
Pool Access Building
John Davis Recreation Center
Pages: E2.11, E1.21, E1.22, E1S.00

Structured Cabling - (219) Cat6A cables, which includes the following:

- **Network Connectivity**
 - Install (65) single Cat6A locations for network connectivity
 - Install (79) dual Cat6A locations for network connectivity
- **Camera Cabling**
 - Install (19) single Cat6A locations (cabling is included in above network connectivity install)
- **Wireless Access Point Cabling**
 - Install (16) Cat6A locations (cabling is included in above network connectivity install)

Network Closets

- - Room 211A is the MDF
 - Network riser cables in the New Building, (Non-Admin Wing), are to be pulled and terminated in this network closet.
 - BCI will provide lockable 42U Server Rack Cabinet with ventilated front and rear doors.
 - Panduit CAT6a Patch Panels for the above cabinet
 - (6) 2U Wire Managers for the above cabinet
 - (2) 1U Shelves for the above cabinet
 - Install 4 CAT6a Riser Cables, Indoor Rated, Non-Plenum between the MDF and IDF1, using provided conduit.
 - To be terminated in patch panel on each side
 - Room 225 is IDF1
 - Network riser cables in the Administration Wing are to be pulled and terminated in this network closet.
 - BCI will provide lockable 42U Server Rack Cabinet with ventilated front and rear doors.
 - Panduit CAT6a Patch Panels for the above cabinet
 - (6) 2U Wire Managers for the above cabinet
 - (2) 1U Shelves for the above cabinet
 - Install 4 CAT6a Riser Cable, Indoor Rated, Non-Plenum between the IDF1 and IDF2, using provided conduit.
 - Pool Building Room 113 is IDF2

- Network riser cables in the Pool Building are to be pulled and terminated in this closet.
- City of Dalton will provide a Kendal Howard 3U Enclosed V-Rack Cabinet for the vendor to install.
 - Vendor is to provide and install a 1U Panduit 24 port, CAT6a patch panel for the above cabinet.

Vendor to provide the following patch cables (Quantity determined by Scope of Work from City of Dalton)

- 30 Panduit Standard Patch Cable CAT6a Black for Patch Panel - 3ft
- 5 Panduit Standard Patch Cable CAT6a Black for Patch Panel - 1ft
- 20 Panduit Standard Patch Cable CAT6a Red for Patch Panel - 3ft
- 24 Panduit Standard Patch Cable CAT6a Red for Patch Panel - 1ft
- 20 Panduit Standard Patch Cable CAT6a Red for Endpoint, (L - TBD)
- 5 Panduit Standard Patch Cable CAT6a Blue - for Patch Panel - 3ft
- 20 Panduit Standard Patch Cable CAT6a Yellow - for Patch Panel - 3ft
- 10 Panduit Standard Patch Cable CAT6a Grey - for Patch Panel - 3ft
- 20 Panduit Standard Patch Cable CAT6a Orange - for Patch Panel - 3ft
- 20 Panduit Standard Patch Cable CAT6a Orange for Endpoint, (L - TBD)
- 10 Panduit Standard Patch Cable CAT6a White - for Patch Panel - 3ft
- 10 Panduit Standard Patch Cable CAT6a White for Endpoint, (L - TBD)

Fiber Components

- - Main Building
 - 1U Fiber Patch Panel for MDF, (Room 211A), and IDF1, (Room 225)
 - Install 24 Strand Multi-Mode Fiber Between MDF, (Room 211A), and IDF1, (Room 225), using provided conduit.
 - Install 12 Strand Multi-Mode Fiber Between IDF1, (Room 225), and IDF2, (Pool Building Room 113), using provided conduit.
 - Install a SPH-01P in the supplied network cabinet by others

Access Control

- - Provide (12) HID Signo Keypad Reader 40KNKS-00-000000
 - Install Composite Cable from controllers to the door hardware (provided by door vendor, using provided conduits)
 - Install cables and hardware at 12 doors requiring access control.

Wireless Access Points

- Install provided WAPS (16), 6 will require lift work.

Cameras

- Install and adjust provided 19 cameras provided.

Basket Tray

- Install 8x2x10 basket tray in designated path as shown on the drawings
 - will use threaded rod to attach to ceiling
 - drawings show BCI RECOMMENDED pathway
- [BCI Basket Tray Recommendation Drawings.pdf](#)

Assumptions:

- No specification on grounding, so no grounding provided for cabinets
- All configuration and programming for equipment done by others



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- Direct mod plugs for all ac12 and APs
- AC12 will be installed above all doors that are accessed controlled
- That network will be live for installation of cameras to verify the angle at initial install

Recommendation:

- BCI recommends 8" Basket Tray for 30% future growth capacity

| MFG | PART NO | DESCRIPTION | QTY |
|-----------------------------------|-------------------|---|--------|
| LOW VOLTAGE COMMUNICATIONS | | | |
| PANDUIT | PUR6AV04IG-G | TX6A™ VARI-MATRIX COPPER CABLE, CAT 6A, 23 AWG, U/UTP, CMR, INT'L GRAY | 44.00 |
| PANDUIT | PUO6X04BL-CEG | 23/4PR SOL NS CAT6A OSP 1000' REEL IN A BOX - BLACK | 3.00 |
| PANDUIT | CJ6X88TGIG | MINI-COM MODULE, CATEGORY 6A, UTP, 8-POSITION 8-WIRE, UNIVERSAL WIRING, INTERNATIONAL GRAY, TG STYLE | 407.00 |
| PANDUIT | SP6X88-C | TX6 PLUS CAT6A UTP MODULAR PLUG | 31.00 |
| PANDUIT | CFPL2SY | 2-PORT STAINLESS STEEL MINI COM FACEPLATE | 92.00 |
| PANDUIT | CBX1IG-A | SURFACE MOUNT BOX, 1 PORT, INTERNATIONAL GRAY | 19.00 |
| PANDUIT | CMBIG-X | BLANK MINI-COM MODULE-GRAY | 15.00 |
| PANDUIT | CPPL48WBLY | 48 PORT PATCH PANEL FRAME W/LABEL FACEPLATES | 5.00 |
| PANDUIT | CPPL24WBLY | 24 PORT PATCH PANEL FRAME W:ABEL FACEPLATES | 1.00 |
| PANDUIT | NK6APC3BL | NK CAT6A PC CM/LSZH BL 3ft | 30.00 |
| PANDUIT | NK6APC1BL | NK CAT6A PC CM/LSZH BL 1ft | 5.00 |
| PANDUIT | NK6APC3RD | NK CAT6A PC CM/LSZH RD 3ft | 20.00 |
| PANDUIT | NK6APC1RD | NK CAT6A PC CM/LSZH RD 1ft | 24.00 |
| BCI | BUDGET-ITEM | BUDGET - NK CAT6A PC CM/LSZH RD UP TO 5FT <i>AS A PART NUMBER WAS NOT SUPPLIED, WE HAVE PROVIDED A PRICE UP TO A 5FT CORD</i> | 20.00 |
| PANDUIT | NK6APC3BU | NETKEY CAT 6A 26 AWG UTP PATCH CORD 3 FT BLUE | 5.00 |
| PANDUIT | NK6APC3YL | NETKEY® CAT 6A 26 AWG UTP PATCH CORD, 3 FT, YELLOW | 20.00 |
| PANDUIT | NK6APC3GY | NETKEY® CAT 6A 26 AWG UTP PATCH CORD, 3 FT, GRAY | 10.00 |
| PANDUIT | UTP6AX3OR | PATCH CORD 24 AWG CAT. 6A RJ45 3 FT. ORANGE | 20.00 |
| BCI | BUDGET-ITEM | BUDGET - PATCH CORD 24 AWG CAT. 6A RJ45 5 FT. ORANGE <i>AS A PART NUMBER WAS NOT SUPPLIED, WE HAVE PROVIDED A PRICE UP TO A 5FT CORD</i> | 20.00 |
| PANDUIT | NK6APC3 | NETKEY® CAT 6A 26 AWG UTP PATCH CORD, 3 FT, WHITE | 10.00 |
| BCI | BUDGET-ITEM | BUDGET - NK CAT6A PC CM/LSZH WHITE 5FT <i>AS A PART NUMBER WAS NOT SUPPLIED, WE HAVE PROVIDED A PRICE UP TO A 7FT CORD</i> | 10.00 |
| BCI | MISC-EXPENSE | CABLE SUPPORT | 400.00 |
| BCI | OPS-CABLING | ROUGH IN CAT6A | 120.25 |
| FIBER | | | |
| CORNING | 012ZBA-14101A20 | 12 FIBER, OS2, SINGLE-MODE, OUTDOOR, SELF-SUPPORTING, GEL-FILLED, SINGLE TUBE, BLACK POLYETHYLENE JA | 400.00 |
| CORNING | 024T81-33190-24 | MIC TIGHT-BUFFERED CABLE, RISER, 24 FIBER, 50 ?M MULTIMODE (OM4) | 400.00 |
| CORNING | CCH-01U | CLOSET CONNECTOR HOUSING (CCH) ONE RACK UNIT, HOLDS TWO CCH CONNECTOR PANELS | 2.00 |
| CORNING | SPH-01P | SINGLE PANEL HOUSING FOR CCH SERIES PANELS | 1.00 |
| CORNING | CCH-CS24-E4-P00QE | CCH PIGTAILED SPLICE CASSETTE 24 F, LC DUPLEX, 50 UM MULTIMODE (OM4) | 2.00 |



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| MFG | PART NO | DESCRIPTION | QTY |
|--------------------------------|-------------------|--|-------|
| CORNING | CCH-CS12-E4-P00QE | CCH PIGTAILED SPLICE CASSETTE 12 F, LC DUPLEX, AQUA, 50 UM MULTIMODE (OM4) | 2.00 |
| BCI | OPS-CABLING | ROUGH IN FIBER | 24.00 |
| FIBER Total: \$8,547.50 | | | |

| BASKET TRAY | | | |
|--------------------|----------------|---|--------|
| CABLOFIL | CF54/200IN304L | CABLOFIL CABLE TRAY-STAINLESS 304 (2D,,8W,,120L) | 59.00 |
| CABLOFIL | FASP200PG | FAS PROFILE 8 IN. L, FINISH: PRE-GALVANIZED | 118.00 |
| CABLOFIL | THRD3/8EZ | 3/8-16 THREADED ROD 6'L ZINC | 236.00 |
| HILTI | 423472 | SCREW ANCHOR KH-EX-I 1/4"X 1-5/8" FOR 3/8" ROD, BOX OF 100 | 3.00 |
| CABLOFIL | EDRNEZ | FAST SPLICE EDRN 50/PK. - SPECIAL ASSEMBLY TOOL (EDRNT00L) IS INCLUDED IN EVERY BAG | 3.00 |
| CABLOFIL | EZT90EZ | CABLE TRAY TEE BEND KIT, 8.86 LENGTH X 8.86 WIDTH X 0.75 HEIGHT, ELECTROZINC STEEL | 12.00 |

| BASKET TRAY INSTALL | | | |
|--|-------------|---|--------|
| BCI | OPS-CABLING | INSTALLING TRAY PER STICK (INCLUDING THREADED ROD, SPLICES) | 177.00 |
| BASKET TRAY INSTALL Total: \$9,735.00 | | | |

BASKET TRAY Total: \$24,019.56

| NETWORK CLOSETS | | | |
|------------------------|-------------|---|--------|
| PANDUIT | N8222B | NET-ACCESS N-TYPE CABINET 42 RU BLACK 800MM WIDE | 2.00 |
| PANDUIT | WMPF1E | 3.5" X 19" HORIZONTAL F-DUCT WIRE MGMT EXEC PANEL | 12.00 |
| PANDUIT | SRM19X18A1 | 19 ADJUSTABLE MOUNT SHELF, STEEL, MOUNTS TO FRONT AND BACK OF EIA RACKS, DIMENSIONS: 1.8 H X 19.0 W | 4.00 |
| CHATSWORTH PRODUCTS | 10506-716 | CABLE RUNWAY ELEVATION KIT; BLACK; QUANTITY PER PACKAGE: 2 PAIR | 2.00 |
| CHATSWORTH PRODUCTS | 10250-712 | 12"X1.5"X10' TUBULAR LADDER CABLE RUNWAY-BLACK | 5.00 |
| CHATSWORTH PRODUCTS | 12100-712 | 12" RUNWAY DROP-OUT SHIELD-BLACK | 2.00 |
| CHATSWORTH PRODUCTS | 10642-001 | PROTECTIVE END CAPS; 0.38 W X 1.5 H; BLACK; SOLD IN PAIRS | 8.00 |
| CHATSWORTH PRODUCTS | 11302-701 | 1.5"X3/8" JUNC SPLICE CORNER CLAMP KIT-BLK (1PR) | 2.00 |
| CHATSWORTH PRODUCTS | 11421-712 | 12" RUNWAY WALL ANGLE SUPPORT KIT-BLACK | 6.00 |
| CHATSWORTH PRODUCTS | 10608-701 | VERTICAL WALL BRACKET, CABLE RUNWAY, 1.7 IN H X 2.2 IN D X 1.5 IN W, BLACK | 6.00 |
| CPI | 40164-001 | CABLE RUNWAY GROUNDING STRAP KIT | 2.00 |
| CPI | 40162-905 | 2 HOLE COMPRESSION GROUNDING LUG FOR #2 WIRE | 10.00 |
| SOUTHWIRE | 56986501 | #6 GROUND WIRE - GREEN | 150.00 |
| BCI | OPS-CABLING | BUILD OUT OF NETWORK CLOSET | 48.00 |

NETWORK CLOSETS Total: \$17,174.11

| | | | |
|------------------------|------------------|---|--------|
| GENERAL CABLE | 4EPL1S.41.05 | 18-4C+22-2C+22-4C+22-3P STR BC, FOIL SHD (22-3P ONLY) PVC, JKT YEL CMP | 600.00 |
| HID GLOBAL CORPORATION | 40KNKS-00-000000 | SIGNO40K, WALL MOUNT W/KEYPAD, 13.56MHZ OSDP/WIEGAND. PIGTAIL, MOBILE READY | 12.00 |

LOW VOLTAGE COMMUNICATIONS Total: \$118,912.02

| EQUIPMENT INSTALLATION | | | |
|--|--------------|--------------------------|-------|
| BCI | OPS-CABLING | INSTALLATION OF WAPS | 20.48 |
| BCI | OPS-SECURITY | INSTALLATION OF CAMERAS | 57.00 |
| BCI | OPS-SECURITY | INSTALLED DOOR EQUIPMENT | 72.00 |
| EQUIPMENT INSTALLATION Total: \$12,425.20 | | | |

| | | | |
|-----|--------------|--------------|------|
| BCI | MISC-EXPENSE | MISC-EXPENSE | 1.00 |
|-----|--------------|--------------|------|



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| BCI | BUDGET-ITEM | CEILING TILE BRIDGE FOR CAMERAS | 4.00 |
| BCI | CONS | CONSUMABLES | 1.00 |
| UNSPECIFIED | FREIGHT | LIFT DELEIVERY & PICKUP | 1.00 |
| LIFT-SCISSOR | LIFT-SCISSOR | 34' ART LIFT | 1.00 |
| | PROJMGMT | PROJECT MANAGEMENT | 93.00 |
| | ENGINEERING | ENGINEERING | 47.00 |
| | DESIGN | CAD / Drawing | 2.00 |
| BCI | BOND | P&P BOND | 1.00 |

| TRAVEL | | | |
|--------|-----------------|-----------------------------|----------|
| BCI | TRAVEL | LABOR - TRAVEL | 108.00 |
| BCI | EXPENSE-MILEAGE | MILEAGE EXPENSE (GROUPED) | 2,304.00 |
| BCI | EXPENSE-LODGING | LODGING & PER DIEM EXPENSES | 96.00 |

TRAVEL Total: \$26,522.40

Total: \$179,974.76

All applicable taxes are not included.

Thank you for your business!



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TERMS & CONDITIONS

- 1. Scope of Work** - Contractor shall furnish and pay for all equipment and perform all work necessary and appropriate to furnish and install the systems integration equipment in the facility as described in this proposal.
- 2. Responsibility of Others** - Unless otherwise noted in the proposal, the Owner shall be responsible for all electrical work such as but not limited to AC power, conduit systems, and outlet boxes. All finishes will be supplied as standard manufacturer's finish. All other work necessary to the completion of the project and not specifically defined in the proposal as being furnished by the Contractor shall be the responsibility of the Owner.
- 3. Work Area Access** - Unless otherwise noted in this proposal, Contractor shall be given full and unrestricted access to all work areas and location required to complete the Scope of Work. Any training, access procedures or delays in related to the access of work area impacting productivity will be logged and invoiced in increments of 15 minutes.
- 4. Schedule** - Contractors standard business operating hours are Monday through Friday from 07:00 AM to 04:00 PM. Any requirements outside of these hours must be noted and included in the scope of work.
- 5. Bill of Materials** - The bill of materials shown is an estimated list of materials to provide a general list of items expected to be used in the completion of this proposal, not a guaranteed quantity to be used in completion of this project. Contractor shall furnish all materials as required to complete the scope of work detailed and quantities shown are only an estimated number. All unused materials at the end of the project will be removed from site and returned to Contractor inventory.
- 5. Existing Equipment** - Unless otherwise noted in the proposal, all existing equipment shall remain the property of the Owner and will be incorporated into the new system as proposed. Contractor shall remove and may reuse such equipment as necessary for the purposes of this Agreement.
- 6. Time of Commencement and Substantial Completion** - The work to be performed under the terms of this Agreement shall be coordinated upon receipt of the signed Agreement, or Time of Commencement. Schedules communicated in any form prior to the Time of Commencement are offered as best effort and cannot be confirmed until Time of Commencement. Substantial Completion shall be defined as on-site work being complete, except for punch list items, work that is delayed beyond the control of the Contractor and deliverables. Deliverables include, but are not limited to, as-build drawings, test results, O&M manuals and manufacturer warranties.

Substantial Completion as a milestone date shall be subject to extensions due to conditions beyond the control of the Contractor such as acts of nature, delays in material delivery where the Contractor's actions have no effect, accessibility to the facility, and delays of work by others where such work is necessary to the completion of the project.
- 7. Insurance** - Contractor shall furnish to the Owner a Certificate of Insurance including general liability, auto, and workers' compensation limits prior to commencement of any work on site.
- 8. Agreement Sum** - The Owner shall pay to the Contractor for the performance of the work, the amount noted in this proposal proposal, subject to additions and subtractions by written change order. No changes to the Agreement sum can be made by either the Contractor or the Owner without a written change order agreed to by both parties.
- 9. Title to Goods** - Title to goods is retained by the Contractor until payment of the full Agreement sum subject to allocation of payments and release of security as required by law. The Owner agrees to keep the goods safe, free from other liens and at the address of the installation.
- 10. Warranty** - Installation will comply with BCI, BICSI, TIA/EIA and Owner quality standard, as received prior to proposal. Contractor guarantees all workmanship provided under this Agreement to be free of defects for a period of one year from the date of final acceptance or first beneficial use whichever occurs first. Contractor will provide labor services to correct any defective workmanship during normal business hours while the warranty is in effect at no cost to the Owner. Material or equipment defects not a direct result of workmanship is not covered by warranty, all time and management related to replacement fo materials or equipment will be charged at Time & Materials.

All equipment warranties provided by equipment manufacturers are warranties between the Owner and the equipment manufacturer and the Contractor has no liability.

Warranties do not apply in case of abuse, misuse, neglect, acts of nature, or readjustment of system settings when they have been changed by anyone other than the Contractor.



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PAYMENT TERMS

Terms: COD

Billing Method:

Standard payment terms are Net 30 from date of invoice unless otherwise agreed upon by BCI via Non-Standard Payment Terms Agreement and are subject to credit approval. Past due balances are subject to interest at 1.5% monthly. Credit card transactions will be charged a 2.5% processing fee. Returned checks will be charged a \$100 processing fee.

BCI will issue an invoice for materials and engineering/mobilization labor upon approval of this quote, or within 30 days of the project start date, unless otherwise agreed upon in writing. Additional progress invoices will be issued at no less than monthly intervals. Sales tax is charged at the current rate set by the local tax authority and is not included in this quote.

Due to the volatility of the market, some material costs may be adjusted after initial invoice if price has increased or availability causes material substitution. Any price changes that should follow with any amendment or change order will be reflected on progress or final invoices unless otherwise agreed upon by BCI and the customer.

This quote shall become binding on the parties hereto when signed by Customer and accepted and approved by Busker Communications, Inc. By Customer's signature, Customer acknowledges that they have read, understood and agreed to the Terms and Conditions.

CUSTOMER: **City of Dalton**

SIGNATURE:

NAME:

TITLE:

DATE:

Busker Communications, Inc.

SIGNATURE:

[Handwritten Signature]

NAME:

Mark Shively

TITLE:

Account Manager

DATE:

9/9/24
