



DATA
PROJECTIONS

**City of CC - Police Dept - EOC - AV
Renovation & Integration - DIR-
SDD-2011**

prepared for

City of Corpus Christi

Quote #007240 v2

Simply
Connected.



Quotation

Attention: David Trevino
City of Corpus Christi
1201 Leopard St
Corpus Christi, TX 78401
dtrevino@cctexas.com
(361) 826-3754

Quote ID: 007240
Date: Tuesday, June 23, 2015
Expires: Friday, July 31, 2015

RE: City of CC - Police Dept - EOC - AV Renovation & Integration - DIR-SDD-2011

Dear David,

Thank you for allowing Data Projections, Inc. (DPI) the opportunity to present this solution for the City of Corpus Christi.

As a leading audio/visual communications design/build firm, DPI is uniquely qualified for a project of this scope. Our experience includes solutions for:

- Multipurpose rooms and auditoriums equipped with large-venue audio visual technology solutions
- Videoconferencing systems incorporating control and complete room collaboration, allowing for on-demand decision making and communication amongst remote locations
- Conference, Board Rooms and Training Rooms of all shapes and sizes
- Digital signage implementations across enterprise, university, and district campuses for immediate message distribution
- Operation Center'2s (NOCs, EOCs, SOC) audio visual command and control systems
- College and University classrooms, lecture halls and labs
- Individual school classrooms to entire districts
- And many more unique applications

Because we partner with the best technology companies in the industry, were able to provide a wide range of comprehensive solutions built around the specific needs of our customers, while taking into account the technical, capital and logistical factors involved in each project and solution.

Rapid and effective communication is key to staying ahead of the competition. Better communications leads to better decisions - and better results. How do you maintain consistent communication across your organization as well as external audiences? Data Projections team of professionals will keep you simply connected.

Sincerely,

Chris Mitchell
Account Manager
Data Projections



Executive Summary

Data Projections will build out the CCPD EOC on the 4th floor of the downtown PD headquarters.

The video in the room will be displayed on a variety of displays. On the main wall, centered, and mounted towards the ceiling, will be a 4x3 video wall made up of Samsung 46" video wall displays (GFE - Government Furnished Equipment - Displays to be GFE). Along the side wall to the right of the video wall will be a GFE SMART SB885 multitouch interactive whiteboard paired with a GFE Epson PowerLite 585w. On the wall to the left of the video wall, DPI will relocate two GFE Sharp 42" displays with one above the other.

The video sources in the room will consist of the following:

1. Six (6) computer inputs - three (3) PCs, each with dual outputs (HDMI Tx for each output with a local HDMI out for local monitor)
2. Two (2) cable tuners (utilizing the two GFE AverMedia tuners currently in the room)
3. Blu-Ray Player (GFE currently in the room)
4. VGA/HDMI Laptop input located at the workstation
5. Two open HDMI inputs for future camera feeds (i.e. Port Authority, TxDOT, etc)

The video will be managed through a 32x32 Crestron chassis, and the video wall will have an RGB Spectrum Galileo processor (between the Crestron switcher and the video wall), allowing twelve different inputs to be laid out across the video wall using "floating windows." This will allow for the video sources to span all the bezels. The Galileo system also allows for streaming inputs within the system as extra "windows" on the video wall without extra inputs in the system, as the Galileo is operated through built-in PC.

Audio will be reinforced through two (2) GFE wall mounted JBL speakers and amplifier (GFE speakers and amplifier currently in the room).

DPI will install a Vaddio WideSHOT USB camera along with two ceiling mounted microphone pods (mixed with the Vaddio EasyUSB Mixer/amp). Both the audio mixer and camera feeds (USB) will be connected to one of the PCs in the room, and will allow for video connectivity through a soft client (Microsoft Lync, Lifesize Cloud, Jabber, etc).

Connectivity for the SMART board will be connected to one of the PCs in the room for interactivity.

A 10" wired touch panel will be located at the operator station (and will be accessible through an IP address on the network). The touch panel will be programmed for full control of the EOC, including:

1. System Power On/Off
2. AV Source Routing
4. HD CATV receiver control (although there will not be active feedback from the OFE tuners)
5. Blu-Ray Control
6. Volume Control

All AV equipment not located throughout the room will be mounted in a 44RU AV Rack with leveling feet and internal fans for temperature regulation. The rack will have a lockable front door, along with its own UPS Rackmount Power Supply.

The City of Corpus Christi will be responsible for confirming and providing the proper amount of power in the designated areas.



Prepared For:

City of Corpus Christi
David Trevino
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Prepared By

Data Projections
Chris Mitchell
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210-598-5913

Remit To

Data Projections inc
PO Box 4346 - Dept 102
Houston, TX 77210

Quote ID: 007240

Date: Tuesday, June 23, 2015

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Switchers/Routers/Distribution

Description	Manufacturer	Price	Qty	Ext. Price
32x32 DigitalMedia Switcher	Crestron DM-MD32X32	\$10,000.00	1	\$10,000.00
4K HDMI Input Card	Crestron DMC-4K-HD	\$465.12	3	\$1,395.36
DVI/RGB Input Card	Crestron DMC-DVI	\$465.12	2	\$930.24
DigitalMedia 8G+™ Input Card for DM® Switchers	Crestron DMC-C	\$672.25	7	\$4,705.75
2-Channel HDMI Output Card	Crestron DMC-HDO	\$406.98	6	\$2,441.88
2-Channel 4K DigitalMedia 8G+ Output Card	Crestron DMC-4K-CO-HD	\$755.81	2	\$1,511.62
DigitalMedia 8G+ Transmitter 201	Crestron DM-TX-201-C	\$755.81	7	\$5,290.67
DigitalMedia 8G+ Receiver & Room Controller w/Scaler	Crestron DM-RMC-SCALER-C	\$753.95	3	\$2,261.85
Crestron Connect It™ Presentation Interface w/120V Outlet, No Cables, Black Textured	Crestron TT-100-B-T	\$164.42	1	\$164.42



Switchers/Routers/Distribution

Description	Manufacturer	Price	Qty	Ext. Price
Galleo 4RU Chassis (16 outputs max) with Single Six Core I7 Processor (16GB RAM, 500GB SSD), IP Inputs, 4 available Digital/Analog slots, Includes Galleo Server Software & Single User Client Software	RGB Spectrum GO 16	\$13,189.41	1	\$13,189.41
Digital Input/Output Card with 4 DVI/Analog Inputs and 4 DVI/VGA outputs forGalleo. Includes 2x GO ACD4 Adapter Cables	RGB Spectrum GO D44	\$9,008.24	3	\$27,024.72
Optional 16Gb RAM upgrade for GO 12 & GO 56 chassis; requires factory installation	RGB Spectrum 920 11758	\$588.24	1	\$588.24
42 Liberty Commercial Grade High Retention High Speed HDMI with Ethernet cable	Liberty E2-HDSEM-M-12	\$86.26	6	\$517.56
50 Liberty Commercial Grade High Retention High Speed HDMI with Ethernet cable	Liberty E2-HDSEM-M-15	\$165.01	6	\$990.06
Switchers/Routers/Distribution Subtotal				\$71,011.78

Video Conference/Collaboration

Description	Manufacturer	Price	Qty	Ext. Price
WideSHOT QUSB	Vaddio 999-6911-000	\$2,108.43	1	\$2,108.43
EasyUSB Mixer/Amp	Vaddio 999-8530-000	\$803.61	1	\$803.61
EasyUSB Ceiling MicPOD - White	Vaddio 999-8510-000	\$480.72	2	\$961.44
Video Conference/Collaboration Subtotal				\$3,873.48



Control System

Description	Manufacturer	Price	Qty	Ext. Price
3-Series Control System	Crestron CP3N	\$1,511.63	1	\$1,511.63
10.1" Touch Screen, Black Smooth	Crestron TSW-1050-B-S	\$1,395.35	1	\$1,395.35
8-Port PoDM Power Supply for DM Switchers	Crestron DM-PSU-8	\$689.38	1	\$689.38
5-Port PoE Switch	Crestron CEN-SW-POE-5	\$216.87	1	\$216.87
Control System Subtotal				\$3,813.23

Misc Hardware

Description	Manufacturer	Price	Qty	Ext. Price
MISCELLANEOUS CABLING/HARDWARE/MATERIALS NECESSARY TO COMPLETE INSTALLATION.	DPI-MISC-MATERIALS	\$6,670.66	1	\$6,670.66
ConnexSys Video Wall Landscape Mounting System without Rails	Chief Manufacturing LV SXU	\$528.11	12	\$6,337.32
CAT5 to USB Extender, CAT5 Cable Not Included	Smart Technologies CAT5-XT-1100	\$89.16	1	\$89.16
Optional 1/2 Rack Mounting Kit for EasyUSB Mixer/Amp or WEBBI	Vaddio 998-6000-004	\$48.19	1	\$48.19
Tabletop Kit for TSW-1050 & TSW-1052, Black Smooth	Crestron TSW-1050-TTK-B-S	\$135.54	1	\$135.54
WRK-SA Series Rack - 44RU	Middle Atlantic WRK-44SA-27	\$876.50	1	\$876.50



Misc Hardware

Description	Manufacturer	Price	Qty	Ext. Price
Large Perf Front Door - 44RU	Middle Atlantic LVFD-44	\$331.88	1	\$331.88
Fan Top w/ Controller, 220 CFM	Middle Atlantic MW-4QFT-FC	\$459.36	1	\$459.36
Adjustable Levelling Feet	Middle Atlantic LF	\$14.95	1	\$14.95
2150VA/1650W UPS Rackmount Power	Middle Atlantic UPS-2200R	\$1,045.66	1	\$1,045.66
12 Outlet 20A Power Strip	Middle Atlantic PDT-1220C-NS	\$156.39	2	\$312.78
Misc Hardware Subtotal				\$16,322.00

Services

Description	Extended Price	
LABOR	\$8,400.00	
Labor Installation/Integration and Testing of System (2 man crew)		
DESIGN/ENGINEERING	\$625.00	
Design/Engineering and documentation		
PROJECT MANAGEMENT	\$600.00	
Project Management		
PROGRAMMING	\$7,000.00	
Control System Development and Programming		
LODGING/PER DIEM	\$1,800.00	
ADDITIONAL MILEAGE	\$375.00	
Services Subtotal		\$18,800.00



Quote Summary

Description	Amount
Switchers/Routers/Distribution	\$71,011.78
Video Conference/Collaboration	\$3,873.48
Control System	\$3,813.23
Misc Hardware	\$16,322.00
Services	\$18,800.00
Subtotal	\$113,820.49
Shipping	\$921.15
Total	\$114,741.64

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors. Please print and sign your quote PDF and return to Data Projections to approve.

Signature

Date

Printed Name

Title



Statement of Performance

TERMS AND CONDITIONS

Proprietary Notice

This proposal contains confidential information and intellectual property of Data Projections, Inc.(DPI), and may be legally privileged. Recipient agrees not to reproduce or make this information available in any manner to persons outside the group directly responsible for evaluation of its contents.

Payment Schedule

The total for this proposal/project is presented as a "not to exceed" unless DPI and the "client" agree to add hardware, software or functionality not specifically addressed in this Statement of Work (SOW)/Executive Summary.

Client will pay DPI the total presented in this proposal in payments as follows:

1. 50% down payment upon proposal acceptance prior to equipment procurement by DPI.
2. Balance for remaining hardware and services is to be paid upon client sign off (see "Project Methodology" below), Net 30 (US funds only).
3. Interest may be charged after maturity at the rate of two percent (2%) per month on the unpaid balance.

Project Methodology

DPI project methodology follows the Project Management Institute (PMI) standards for project management. The five phases are (1) Initiating Process, (2) Planning Process, (3) Executing Process, (4) Monitoring and Controlling Process, and (5) Closing Process. The activities required in each phase to complete the install and commissioning of products are described following.

INITIATING PROCESS: Project Acceptance; Receive signed and executed Proposal/PO, order product upon negotiated down payment.

PLANNING PROCESS: Initial Project planning to determine schedule, resources. Logistics, finalizing design documents.

EXECUTING PROCESS: Install and configure proposed system(s).

MONITORING & CONTROLLING PROCESS: (1) End-to-end testing of system, (2) User Acceptance testing, (3) Client sign off of substantial completion / beneficial use, and (4) Identify any performance exceptions to the system.

CLOSING PROCESS: (1) End user knowledge transfer, (2) Remedy any exceptions, and (3) Identify the beginning of the Warranty Period and turn over to DPI Service

Assumptions and Exceptions

Room(s) where installation is to be completed are to be made available for DPI's exclusive use on the days of the scheduled installation. Unless specifically arranged in advance, rooms will be available during normal business hours, defined as Monday through Friday, 8:00 AM to 5:00 PM. Any work required outside these or other mutually agreed to hours could be subject to additional overtime, holiday or other rates. All required spaces (rooms, access points, etc.) must be available at the start of the installation and remain available for the duration of the Project. Any required space that is unavailable during the scheduled installation timeframe may result in delayed delivery of the Project and/or additional charges. Additional rates will only be applied after execution of DPI generated Project Change Request according to the Change Management Procedure section following and signed approval by Owner or Owner's representative.

The project schedule must allow for sufficient time for completion of all installation and final testing of systems prior to occupancy of the site. If sufficient time is not allowed, DPI will be held harmless for systems that do not meet requirements. In this case, all costs associated with completion of work, including overtime labor rates, will be considered outside the scope of this offering and billable to the Client.

Unless otherwise stated, the installation shall be scheduled contiguously from start to finish. Projects requiring multiple site visits and/or intervals of inactivity between events must be noted as such prior to acceptance of this SOW. If notification is made after initial acceptance of this SOW, Change Management Procedure section following shall be implemented and



additional charges may apply.

DPI reserves the right to revise the proposal/scope of work based upon information obtained from subsequent site surveys and other sources not available at the time of that the original proposal was issued. Any such revision will follow the Change Management Procedure section following.

DPI reserves the right to substitute equipment of similar specifications should any of the specified equipment be unavailable at time of order from the manufacturer. This will be done in an effort to maintain the completeness of the proposed audiovisual system and meet the anticipated installation schedule.

DPI makes no guarantees or warranty as to suitability or compatibility of any owner furnished equipment (OFE) that may be integrated into this proposed system. Any OFE shall be integrated only at clients request, and will be installed in "as-is" condition at the time of installation. Should incompatibilities manifest, DPI Engineering shall propose solution via Change Management Procedure outlined below, and cost of all remedies will be borne by the Client.

Change Management Procedure

Any changes to the Scope of the project, equipment or materials to be used must be in writing signed by the Customer and an authorized representative of Data Projections, Inc. Oral changes to the project scope, equipment or materials shall not be binding upon the parties. Changes may impact the ability of Data Projections, Inc. to deliver the desired solution per the original terms of the Contract. After acceptance of this Scope of Work, such signed and approved change orders will be incorporated by reference into and become part of this Contract and will be processed in accordance with the Change Management Procedure detailed below.

1. A Project Change Request (PCR) form will be the initial vehicle for communicating change.
2. The PCR must describe the change, the reason for the change, and the impacts the change will have on the Project, including any anticipated charges or credits.
3. The designated Project Manager of the requesting party will review the proposed change and determine whether to submit the request to the other party.
4. Following Client submission of a PCR, DPI Project Management will agree to a response date and then review the submitted Change Request.
5. Upon review of the request, DPI will document the impact of the change and also approve the change or document why the change was not approved. A formal Customer Change Order (CCO) shall be generated by DPI Design/Engineering and Project Management detailing any additional equipment and/or labor charges required.
6. Customer Change Order shall be submitted to the Client for review and approval.
7. Customer Change Orders must be approved and signed by both parties to authorize implementation of the changes.
8. The implementation of changes made by the Owner via approved Customer Change Order during the Project and after acceptance of the above Scope of Work will be billed at the rates identified in the Customer Change Order.

Client Responsibilities/Room Readiness The following describes the physical conditions we require at the site in order to bring equipment into the designated area. These "room-ready" conditions have been developed to insure proper site conditions that pose no compromise to the proper operation and performance of the equipment. Further, they will allow our installation technicians to work at maximum efficiency insuring timely completion. Where reasonable or possible:

1. All 120V electrical provisions (Specifications provided by DPI after executed agreement)
2. All Mains Power (Electrical) provisions. All AC receptacles and power with feed to all equipment must be independently grounded and be on the same phase. If DPI discovers improper grounding or phasing to be the cause of functional anomalies, Client will remedy without penalty or cost to DPI.
3. Low Voltage Interfaces: Only those low voltage interfaces specifically included on the attached equipment list are included in this offering. All owner furnished equipment is assumed to be supplied with the appropriate low voltage interface and low voltage interfaces required to connect to any systems furnished and/or installed by others, are assumed to be supplied by the installing contractor.
4. All conduit and raceway as required by local code.
5. Conveyance (pathway) for AV cabling – includes any core drilling or structural modifications (Specifications and



call-outs provided by DPI after executed agreement).

6. **Equipment Delivery:** Prior to the delivery of all equipment and electronics, all spaces are "broom-clean" and the site is free of dust and dirt. All construction, including drywall, painting, ceilings, flooring and millwork is complete. If, at the discretion of the Client, equipment is brought to site before it is clean, functionality, longevity and warranties may be compromised.
7. **OSHA Requirements:** Prior to commencement of work by DPI, the job site must meet OSHA requirements for a healthy workplace. Appropriate safety policies should be set, maintained, and enforced by all work forces.
8. Any room remediation that may be required for the installation of the equipment relevant to this Project.
9. All alteration, cutting, drilling and remediation of millwork, casework, furniture, trim, patching, painting and refinishing.
10. Modification or replacement of ceiling tiles and/or grid.
11. All hazardous material discovery and/or abatement.
12. All required permits, plan approvals, inspection and compliance procedures.
13. All conduits, back boxes, raceway and other distribution/infrastructure items required to support the system(s) as designated by DPI Engineering design documentation and/or applicable electrical codes.
14. All "Hard Points" for mounting of equipment. When in doubt, the Customer should contact a certified Structural Engineer for safety factors. ("Hard Points" are defined as structural reinforcement and/or connection points for equipment specific mounting devices provided within this offering.)
15. All in-wall blocking required to support AV equipment or displays shall be furnished and installed by others.
16. Telephone and/or Data Network infrastructure.
17. Firewall configuration for videoconference traffic (DPI to provide firewall configuration information).
18. **Vibration, Ambient Noise and Acoustics:** Excessive vibration may cause certain equipment (i.e., ceiling mounted video projectors and microphones) to exhibit functional anomalies. Conference and recording systems, which employ open microphones, may not perform properly if excessive ambient noise or reverb is present. If any of these conditions exist, DPI will be held harmless; costs associated with remedy of these conditions will be considered billable to the Client.
19. **Delivery and Acceptance:** The Client agrees to designate a representative who will have the authority to sign for delivery of equipment. Client is responsible for the security and loss liability of all delivered equipment. Acceptance of delivery does not imply that systems have been accepted as functional. Unless other arrangements are made, a secure, lockable space will be furnished for storage of equipment and material.

Breakout of Services

DPI-Install-Labor	Labor – 2 –man crew	Qty 56 (7 days)	\$150 per hour	\$8400 total	Qty = hours
DPI-Design	Design/Engineering	Qty 5	\$125	\$625 total	Qty = hours
DPI-Project-Mgt	Project Management	Qty 6	\$100	\$600 total	Qty = hours
DPI-Programming	Programming	Qty 40	\$175	\$7000 total	Qty = hours
Travel	Lodging/Per Diem			\$1800 total	
DPI-Mileage	Additional Mileage			\$375 total	

DPI Lodging/Per Diem Covers 7 total nights – 5 nights for 2-man crew @ \$300 per night

2 nights for 1-man crew @ \$150 per night (programmer – minimum 16 hours of onsite programming, 24 hours of in-office programming)

Cost covers Hotel fee (est \$115 per night) & \$35 per diem per technician

Travel cost is based upon two round trips from SA to Corpus by our two-man crew – (hypothetically – Mon-Friday, then Mon-Tues the next week) – and also one round trip for our programmer

Our normal travel cost for one DPI van is 75cents per mile – Round trip from downtown Corpus to SA = 320 miles

This would = 960 for what DPI has proposed

DPI is charging the City of Corpus Christi 39cents per mile.

Labor fee of \$150 per hour does not include any per diem or travel costs, this is our approved DIR cost

Chris Mitchell, Account Manager

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