

RESOLUTION No.16-120

A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, APPROVING A WORK ORDER WITH STRUCTURED CABLING SOLUTIONS, INC. FOR THE PROVISION OF WIRING SERVICES FOR THE POLICE AND PUBLIC WORKS DEPARTMENTS EXPANSION PROJECT, IN AN AMOUNT NOT TO EXCEED \$66,761.98; AUTHORIZING THE CITY MANAGER TO EXECUTE THE WORK ORDER AND TO EXPEND BUDGETED FUNDS; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the City of Doral (the “City”) issued Invitation to Bid #2015-39 for Wiring Services for the City’s Data Infrastructure (the “ITB”); and

WHEREAS, in response to the advertisement of the ITB, 407 firms were notified, seven (7) firms attended the pre-bid meeting on November 16, 2015 and three (3) submittal were received and opened by the November 24, 2015; and

WHEREAS Structured Cabling Solutions, Inc. was determined by the selection committee to the lowest most responsible and responsive bidder and, via Resolution 16-31, the City Council awarded the ITB to Structured Cable Solutions, Inc.; and

WHEREAS, the City entered into an agreement with Structured Cable Solutions, Inc., which provided, in part, for work to be assigned by the City via individual work orders, for which City Council approval would be needed for projects over \$15,000.00; and

WHEREAS, the City has a need for the installation of wiring services for the Police and Public Works Department expansion project (the “Services”);

WHEREAS, Staff has recommended the City Council approve the work order with Structured Cabling Solutions for the Services, attached hereto as Exhibit “A”, which is incorporated herein and made a part hereof by this reference.

**THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY
OF DORAL, FLORIDA, AS FOLLOWS:**

Section 1. Recitals. The above recitals are confirmed, adopted, and incorporated herein and made a part hereof by this reference.

Section 2. Approval. The Work Order, attached hereto in Exhibit "A", for the provision of wiring installation services for the Police and Public Works Expansion Project, in an amount not to exceed, \$6,761.98, is hereby approved.

Section 3. Authorization. The City Manager is hereby authorized to execute such agreements and other contractual documents, subject to approval by the City Attorney as to form and legal sufficiency, as may be necessary to consummate the procurement of the good and services contemplated herein. The City Manager is authorized to expend budgeted funds from account No. 001.22005.500652.

Section 4. Implementation. The City Manager and City Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and provisions of this Resolution.

Section 5. Effective Date. This Resolution shall take effect immediately upon adoption.

The foregoing Resolution was offered by Councilmember Cabrera who moved its adoption. The motion was seconded by Councilmember Rodriguez and upon being put to a vote, the vote was as follows:

Mayor Luigi Boria	Yes
Vice Mayor Christi Fraga	Absent/Excused
Councilman Pete Cabrera	Yes
Councilwoman Ana Maria Rodriguez	Yes
Councilwoman Sandra Ruiz	Yes

PASSED AND ADOPTED this 8 day of June, 2016.



LUIGI BORIA, MAYOR

ATTEST:



CONNIE DIAZ, CMC
CITY CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY
FOR THE USE AND RELIANCE OF THE CITY OF DORAL ONLY:



WEISS, SEROTA, HELFMAN, COLE & BIERMANN, P.L.
CITY ATTORNEY

EXHIBIT “A”



Structured Cabling Solutions

Telecommunications

Date: April 23, 2016
Project Name: City of Doral Police Department
Prepared By: Eddie Batista
Office: **305-628-9445**
Fax: **786-924-9416**
Cell: 305-804-2225
Email: eddieb@cabling-solutions.com
Drawings Dated: 5-12-14
Drawings Revision Date: 5-29-15

Summary of Proposed Scope

Scope of work included:

- Provide and Install CAT6 Telecommunications Cabling Infrastructure for the Police Department as per drawings and specification. Telecommunication Infrastructure Solution proposed herein includes:
 - CAT6 horizontal cabling & terminations
 - RG6 horizontal cabling & terminations
 - Telecommunications room build-outs
 - Back-Bone cabling infrastructure

 **Total Cost for Proposed Section... \$61,847.34**



❖ **Horizontal Cabling:**

Provide & install (126) Dual CAT6 Drops consisting of one Red Cable and one Blue Cable (work stations), (47) Triple CAT6 Drops consisting of one Red Cable and two Blue Cable (14) Dual CAT6 Drops consisting of two Yellow Cables (Access Points) , (15) Single CAT6 Yellow Cables (Cameras) and (13) Single Coax Cables (TV).

❖ **Pathways:**

Structured Cabling Solutions Inc. (SCS) will use available conduits and or Cable Tray provided & installed by the Electrical Contractor or by others throughout the interior and or exterior of the building to install cables. Exceptions include within consoles, cabinets, desks, counters and accessible ceiling spaces where unenclosed wiring method may be used. Structured Cabling Solutions Inc. will provide as needed the following material: J-hooks, cable fasteners and CAT6 cable suspension components.

❖ **Telecommunication Room Build-Outs:**

MDF 2nd Floor - SCS will provide install (1) 9' Floor 2-Post Rack with (2) Hoffman Vertical Managers and Ladder Runway.

IDF 1st Floor – SCS will provide and install (1) 48" Cabinet X 25" Deep.

Public Works 1st Floor IDF – SCS will provide and install (1) 48" Cabinet X 25" Deep.

❖ **Copper & Fiber Back-Bone Cabling System:**

SCS will provide and install (1) 12 Strand OM3 Plenum Armored Fiber from MDF to 1st Floor IDF
SCS will provide and install (1) 12 Strand OM3 Indoor/Outdoor Fiber form MDF to Public Works 1st Floor IDF.

❖ **Testing & Certification:**

All Category 6 installed by Structured Cabling Solutions will be tested with a Fluke DSP CAT6 Permanent Link Test to ensure compliance with manufacturer and current EIA/TIA standards. All fiber strands will be tested with an OTDR to ensure compliance with manufacturer and EIA/TIA specifications before and after been pulled. Testing and certifications requirements are to meet specifications. Cable labeling and testing database shall be provided to customer upon completion.

❖ **Fire and Smoke Partition Penetrations:**

All penetration through fire and/or smoke partitions either made by or used by SCS, will be protected with UL approved materials and method, so that the integrity of the partition is maintained. SCS will not be responsible for fire-stopping any sleeves or conduits through floors or firewalls that are not used by SCS.

❖ **Compliance:**

Labeling complies with TIA/EIA-606A Computer Printed Type.

Telecommunications Pathways and Spaces comply with TIA/EIA-569A

Optical Fiber Cabling complies with TIA/EIA-568-B.3

Fire stopping complies with TIA/EIA-569-A.

❖ **Special Considerations**

- Patch cords will be provided.
- Permit has been taken into consideration for this proposal.
- SCS will not be responsible for installing, programming or trouble shooting any customer provided equipment.
- SCS will not provide and or install anything other than what is being described in this SOW including miscellaneous work and or materials that has already been taken into consideration. Anything outside this SOW will be subject to C.O.
- This proposal has been prepared assuming the cable path will be through plenum ceiling space and that access will be provided from the ceiling space into the work areas via conduit, “stub-ups”, power poles or similar by others

❖ **NOT INCLUDED IN PROPOSAL:**

- Active Networking Equipment
- Programming of any customer equipment.
- Any Conduit work.
- Sleeves for penetrations. (To be provided by E.C.)
- Pull string within conduits.
- Additional cable runs not included in this proposal.
- Bond.

❖ **Insurance:**

Structured Cabling Solutions agrees to purchase and maintain, at all times during the effectiveness of this Agreement, comprehensive general liability insurance and worker’s compensation insurance.

❖ **Project Schedule:**

Structured Cabling Solutions will commit to full adherence to your project schedule. Your project can commence within 10 business days from execution of this agreement. Execution of this agreement requires that the last page of this Scope of Work be signed by an authorized employee/officer/agent of your company and that a copy of the signature page and the appropriate deposits have been received by Structured Cabling Solutions.

❖ **Material list:**

Quantity	Item Description	Part #
41000	CAT6 Cable Blue	7131800
30000	CAT6 Cable Red	7131804
9000	CAT6 Cable Yellow	7131802
2600	RG6 Cable	8-9171QS
205	CAT6 Jacks Blue	NK688MBU
152	CAT6 Jacks Red	NK688MRD
43	CAT6 Jacks Yellow	NK688MYL
156	Port Faceplate	NKFWHY
31	2 Port Biscuits	NK2BBXWH-A
59	4 Port Furniture Plate	NK4MFBL
300	Insert Blanks	NKBMWH-X
5	48 Port Patch Panel CAT6	DPA48688TGY
6	24 Port Patch Panel CAT6	NK6PPG24Y
4	Horizontal Manager	WMPFSE
205	10' CAT6 Patch Cords Blue	UTPSP10BUY
152	10' CAT6 Patch Cords Red	UTPSP10RDY
43	10' CAT6 Patch Cords Yellow	UTPSP7YLY
1	9' Rack 2-Post	EDR19FM5BU
2	48" Cabinet X 25" D	
2	Vertical Manager	DV10D6
1	Ladder Runway	10250-712
1	Angle Bracket Kit	11421-712
1	Junction Splice Kit	11302-701
1	Mounting Plate	10595-712
3	Fiber Enclosures	FRME1U
300	12 Strand OM3 Fiber - Armored	760127647
1000	12 Strand OM3 Fiber - Indoor/Outdoor	760037374
4	6 Packs Duplex	FAP6WAQDLCZ
56	LC Fiber Connectors	760117887
300	J-Hooks and Hangers	

Acceptance

❖ **Total Investment:**

The total investment for your cabling system, as described in this Scope of Work will be as stated on Pg.1 of this proposal and is inclusive of all labor and materials.

Acceptance:

Authorized Signature

Name

Date

Special thanks from all of us here at SCS.



Structured Cabling Solutions

Telecommunications

Date: April 23, 2016
Project Name: City of Doral Police Department
Prepared By: Eddie Batista
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Email: eddieb@cabling-solutions.com

Summary of Proposed Scope

Scope of work included:

- Provide and Install CAT6 Telecommunications Cabling Infrastructure for the Police Department's Temporary Trailer.
Telecommunication Infrastructure Solution proposed herein includes:
 - CAT6 horizontal cabling & terminations
 - Back-Bone cabling infrastructure

 **Total Cost for Proposed Section... \$4,914.64**



❖ **Horizontal Cabling:**

Provide & install (22) Dual CAT6 Cables consisting of one Red Cable and one Blue Cable.

❖ **Pathways:**

Structured Cabling Solutions Inc. (SCS) will use available conduits and or Cable Tray provided & installed by the Electrical Contractor or by others throughout the interior and or exterior of the building to install cables. Exceptions include within consoles, cabinets, desks, counters and accessible ceiling spaces where unenclosed wiring method may be used. Structured Cabling Solutions Inc. will provide as needed the following material: J-hooks, cable fasteners and CAT6 cable suspension components.

❖ **Telecommunication Room Build-Outs:**

Trailer IDF - SCS will provide install (1) 4 X 4 Backboard, (1) Fiber Enclosure, (1) Vertical Equipment Rack and (2) 24 Port Patch Panels.

❖ **Copper & Fiber Back-Bone Cabling System:**

SCS will provide and install (1) 6 Strand OM3 Indoor/Outdoor Fiber from MDF to Trailer IDF.

❖ **Testing & Certification:**

All Category 6 installed by Structured Cabling Solutions will be tested with a Fluke DSP CAT6 Permanent Link Test to ensure compliance with manufacturer and current EIA/TIA standards. All fiber strands will be tested with an OTDR to ensure compliance with manufacturer and EIA/TIA specifications before and after been pulled. Testing and certifications requirements are to meet specifications. Cable labeling and testing database shall be provided to customer upon completion.

❖ **Fire and Smoke Partition Penetrations:**

All penetration through fire and/or smoke partitions either made by or used by SCS, will be protected with UL approved materials and method, so that the integrity of the partition is maintained. SCS will not be responsible for fire-stopping any sleeves or conduits through floors or firewalls that are not used by SCS.

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- Sleeves for penetrations. (To be provided by E.C.)
- Pull string within conduits.
- Additional cable runs not included in this proposal.
- Bond.

❖ **Insurance:**

Structured Cabling Solutions agrees to purchase and maintain, at all times during the effectiveness of this Agreement, comprehensive general liability insurance and worker's compensation insurance.

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❖ **Material list:**

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22	CAT6 Jacks Blue	NK688MBU
22	CAT6 Jacks Red	NK688MRD
22	2 Port Faceplate	NK2FWHY
2	24 Port Patch Panel CAT6	NK6PPG24Y
22	7' CAT6 Patch Cords Blue	UTPSP10BUY
22	7' CAT6 Patch Cords Red	UTPSP10RDY
1	Fiber Enclosures	FRME1U
300	12 Strand OM3 Fiber - Indoor/Outdoor	760037374
2	6 Packs Duplex	FAP6WAQDLCZ
12	LC Fiber Connectors	760117887

Acceptance

❖ **Total Investment:**

The total investment for your cabling system, as described in this Scope of Work will be as stated on Pg.1 of this proposal and is inclusive of all labor and materials.

Acceptance:

Authorized Signature

Name

Date

Special thanks from all of us here at SCS.