

Police Network Equipment Upgrade

Project #:470046-100005 (CARRYOVER)

Hardware	Vendor	UTC	Quote #	Quote amount	
	KLA Labs	FL005559	15C199	\$	24,675.00
	KLA Labs	FL005559	15C204-001	\$	132,855.52
	Network Dynamics Inc.	FL005447	1509-01-18227	\$	38,872.50
	Network Dynamics Inc.	FL005447	1509-02-18243	\$	39,266.24
	Network Dynamics Inc.	FL005447	1509-02-18244	\$	51,075.60
	Network Dynamics Inc.	FL005675	1509-02-18252	\$	16,025.00
				\$	302,769.86
				\$	302,769.86



Main Office
6800 Chase Road
Dearborn, MI 48126
(313) 846-3800

Ohio Office
3142 Broadway, Suite 203
Grove City, OH 43123
(614) 322-0400

Gary Milewsky
City of Columbus
Proposal number: 15C199

September 14, 2015

Via-email:

RE: WAP Install at PDHQ

Dear Mr. Milewsky,

Thank you for the opportunity to bid on this project. Enclosed, please find the Scope of Work detailing our proposal.

With more than 81 years of experience, KLA Labs offers the highest quality of customer service and installation services possible.

We appreciate the opportunity to bid on this project. Should you have questions, or if we can be of assistance in any way, please feel free to contact me at 614-740-7494 cell.

Sincerely,

Thomas McElhaney
Project Manager
KLA Labs



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Scope of Work:

KLA will install seventy one (71) network drops, mount access points, and connect to switch.

System Pricing:

Materials:

14000'-	Commscope -8773604/10 CAT 6 CMP	\$.26	\$3,640.00
142-	Siemon MX6-F01 Jack	\$5.07	\$719.94
71-	Siemon MX-SM1 BOX	\$2.82	\$200.22
71-	Commscope UC1BBB2-0ZF015 Patch Cable	\$10.71	\$760.41
71-	Commscope UC1BBB2-0ZF003 Patch Cable	\$6.37	\$452.27
400-	Erico CAT12 J Hook	\$1.31	\$524.00
400-	Erico BC Beam Clamp	\$1.09	\$436.00
4-	3M Firestop Putty	\$11.19	\$44.76
400-	1/4-20 x 3/8" Screw	\$.12	\$48.00

Materials Total **\$6,825.60**

Labor:

300 Hours Technician	\$31.50	\$9,450.00
300 Hours Installer	\$28.00	\$8,400.00

Labor Total **\$17,850.00**

Project Total **\$24,675.60**



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Ohio Office
3142 Broadway, Suite 203
Grove City, OH 43123
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Terry Dolder
City of Columbus
Proposal number: 15C204-001

September 17, 2015

Via-email:

RE: PDHQ IDF Relocations

Dear Mr. Dolder,

Thank you for the opportunity to bid on this project. Enclosed, please find the Scope of Work detailing our proposal.

With more than 81 years of experience, KLA Labs offers the highest quality of customer service and installation services possible.

We appreciate the opportunity to bid on this project. Should you have questions, or if we can be of assistance in any way, please feel free to contact me at 614-740-7494 cell.

Sincerely,

Thomas McElhaney
Project Manager
KLA Labs



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Grove City, OH 43123
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Scope of Work:

KLA will perform an audit of approximately 316 existing cabling locations.

We will install three hundred sixteen (316) new network drops to the locations identified during the audit which will be distributed from the back hallway IDF's

KLA will demo abandoned cabling / hardware once the new infrastructure has been cutover.

System Pricing: Materials:

63,000'-	Commscope -8773604/10 CAT 6 CMP	\$.26	\$16,380.00
632-	Siemon MX6-F01 Jack	\$5.07	\$3,204.24
316-	Siemon Faceplate	\$1.79	\$565.64
5-	Siemon 48 Port Patch Panel	\$38.22	\$191.10
2-	Siemon 24 Port Patch Panel	\$29.03	\$58.06
316-	Commscope UC1BBB2-0ZF010 Patch Cable	\$9.12	\$2,881.92
160-	Commscope UC1BBB2-0ZF003 Patch Cable	\$4.36	\$697.60
100-	Commscope UC1BBB2-0ZF005 Patch Cable	\$6.37	\$637.00
40-	Commscope UC1BBB2-0ZF001 Patch Cable	\$3.68	\$147.20
16-	Commscope UC1BBB2-0ZF007 Patch Cable	\$8.19	\$131.04
316-	Erico MPLS	\$1.13	\$357.08
500-	Erico CAT12 J Hook	\$1.31	\$655.00
500-	Erico BC Beam Clamp	\$1.09	\$545.00
4-	3M Firestop Putty	\$11.19	\$44.76
400-	1/4-20 x 3/8" Screw	\$.12	\$60.00
16	Fire Rated Sleeves	\$92.18	\$1,474.88

Materials Total **\$28,030.52**

Labor:

1950 Hours Technician	\$31.50	\$61,425.00
1550 Hours Installer	\$28.00	\$43,400.00

Labor Total **\$104,825.00**

Project Total **\$132,855.52**

Network Integration • Network Infrastructure • Wireless Solutions • AV Systems • Event Production

www.klalabs.com



Quote

Quotation # 1509-01-18227
Date September 18, 2015

700 Brooker Creek Blvd, Ste# 1000
Oldsmar, FL 34677
Ph: 813-818-8597
Fax: 813-818-9659
www.ndiwebsite.com

THANK YOU FOR YOUR BUSINESS!

To: City of Columbus Police HQ Wireless From: Steve Miller Ship To:

Qty	Part # Provided	Description	UNIT LIST	Discount	Discount Price	EXTENDED PRICE
7	AIR-CAP2702L-AK910	802.11ac CAP 10APs w/CleanAir; 3x4:3SS; Int Ant; A Domain	\$10,950.00	50%	\$ 5,475.00	\$ 38,325.00
1	AIR-CAP2702L-AK9	802.11ac CAP w/CleanAir; 3x4:3SS; Int Ant; A Reg Domain	\$ 1,095.00	50%	\$ 547.50	\$ 547.50
71	SWAP2700-CMB-A1-K9	Cisco 2700 Series Combined Unified and Autonomous (xxxxx) SW	\$ -	50%	\$ -	\$ -
71	AIR-AP-T-RAIL-R	Ceiling Grid Clip for Aironet APs - Recessed Mount (Default)	\$ -	50%	\$ -	\$ -
71	AIR-AP-BRACKET-1	802.11n AP Low Profile Mounting Bracket (Default)	\$ -	50%	\$ -	\$ -
71	AIR-CAP2702L-ABULK	BOM Level AP2700i Bulk PID for A reg domainn	\$ -	50%	\$ -	\$ -

Note: (Where Applicable)

Price does NOT include shipping

*Net 30" Terms ONLY with approved credit

This quote valid only for 90 calendar days from issuance

Subtotal	\$ 38,872.50
Shipping	TBD
Tax	TBD
	\$ 38,872.50

Provided pricing is according the City of Columbus Contract FL005447



Quote

Quotation # 1509-02-18243
Date September 18, 2015
Estimate ID FS51861409DZ

700 Brooker Creek Blvd, Ste# 1000
Oldsmar, FL 34677
Ph: 813-818-8597
Fax: 813-818-9659
www.ndiwebsite.com

THANK YOU FOR YOUR BUSINESS!

To: City of Columbus Police Training Academy - MAIN From: Steve Miller Ship To:

Qty	Part # Provided	Description	UNIT LIST	Discount	Discount Price	EXTENDED PRICE
1	WS-C4506E-S7L+96V+	4506-E Chassis, two WS-X4648-RJ45V+E, Sup7L-E, LAN Base	\$18,000.00	50%	\$ 9,000.00	\$ 9,000.00
1	S45EUK9-S8-37E	CAT4500e SUP8e Universal Crypto Image	\$ -	50%	\$ -	\$ -
1	C4K-SLOT-CVR-E	Catalyst 4500 E-Series Family Slot Cover	\$ -	50%	\$ -	\$ -
1	C4500E-LB-ES	LAN Base to Enterprise Services paper license	\$19,995.00	50%	\$ 9,997.50	\$ 9,997.50
1	C4500E-8NR-8E-UPOE	SUP8-E AND WS-X4748-UPOE+E UPGRADE FOR 6 SLOT BUNDLE	\$11,000.00	50%	\$ 5,500.00	\$ 5,500.00
1	WS-X4748-UPOE+E	Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45)	\$ -	50%	\$ -	\$ -
1	WS-X4748-UPOE+E	Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45)	\$ -	50%	\$ -	\$ -
1	WS-X45-SUP8-E	Catalyst 4500 E-Series Supervisor 8-E	\$ -	50%	\$ -	\$ -
1	SD-X45-2GB-E	Catalyst 4500 2GB SD Memory Card	\$ 500.00	50%	\$ 250.00	\$ 250.00
1	WS-X4748-UPOE+E	Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45)	\$ 8,995.00	50%	\$ 4,497.50	\$ 4,497.50
1	WS-X4712-SFP-E	Catalyst 4500 E-Series 12-Port GE (SFP)	\$ 5,995.00	50%	\$ 2,997.50	\$ 2,997.50
3	GLC-SX-MMD	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM	\$ 500.00	50%	\$ 250.00	\$ 750.00
3	GLC-LH-SMD	1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM	\$ 995.00	50%	\$ 497.50	\$ 1,492.50
1	PWR-C45-6000ACV	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	\$ 3,995.00	50%	\$ 1,997.50	\$ 1,997.50
4	CAB-US51SP-C19-US	NEIMA 5-15 to IEC-C19 13ft US	\$ -	50%	\$ -	\$ -
1	PWR-C45-6000ACV/2	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	\$ 3,995.00	50%	\$ 1,997.50	\$ 1,997.50
1	CON-SNT-C4506S7L	SNTC-8X5XNBD 4506-E Chassis,two WS-X4648-RJ45V+E, Sup7	1,092.00	28%	\$ 786.24	\$ 786.24
Note: (Where Applicable)			Subtotal			\$ 39,266.24
Price does NOT include shipping			Shipping		TBD	
"Net 30" Terms ONLY with approved credit			Tax		TBD	
This quote valid only for 90 calendar days from issuance			TOTAL			\$ 39,266.24

Provided pricing is according to the City of Columbus Contract FL005447



Quote

Quotation # 1509-02-18244
Date September 18, 2015
Estimate ID LD52047377FG

700 Brooker Creek Blvd, Ste# 1000
Oldsmar, FL 34677
Ph: 813-818-8597
Fax: 813-818-9659
www.ndiwebsite.com

THANK YOU FOR YOUR BUSINESS!

To: City of Columbus Police Training Academy - CLOSETS From: Steve Miller Ship To:

Qty	Part # Provided	Description	UNIT LIST	Discount	Discount Price	EXTENDED PRICE
LOCATION 101						
5	WS-C2960X-48FPS-L	Catalyst 2960-X 48 GigE PoE 740W, 4 x 1G SFP, LAN Base	\$ 6,595.00	50%	\$ 3,297.50	\$ 16,487.50
5	CAB-AC15A-80L-US	15A AC Pwr Cord, left-angle (United States) (bundle option)	\$ -	50%	\$ -	\$ -
5	PWR-CLP	Power Retainer Clip For Cisco 3560-C and 2960-C Compact Switch	\$ -	50%	\$ -	\$ -
5	C2960X-STACK	Catalyst 2960-X FlexStack Plus Stacking Module	\$ 1,195.00	50%	\$ 597.50	\$ 2,987.50
5	CAB-STK-E-0.5M	Cisco FlexStack 50cm stacking cable	\$ -	50%	\$ -	\$ -
5	CON-SNT-WSC294SL	SNTC-8X5XNBD Catalyst 2960-X 48 G	\$ 415.00	28%	\$ 298.80	\$ 1,494.00
LOCATION 102						
2	WS-C2960X-48FPS-L	Catalyst 2960-X 48 GigE PoE 740W, 4 x 1G SFP, LAN Base	6,595.00	50%	\$ 3,297.50	\$ 6,595.00
2	CAB-AC15A-80L-US	15A AC Pwr Cord, left-angle (United States) (bundle option)	0.00	50%	\$ -	\$ -
2	PWR-CLP	Power Retainer Clip For Cisco 3560-C and 2960-C Compact Switch	0.00	50%	\$ -	\$ -
2	C2960X-STACK	Catalyst 2960-X FlexStack Plus Stacking Module	1,195.00	50%	\$ 597.50	\$ 1,195.00
2	CAB-STK-E-0.5M	Cisco FlexStack 50cm stacking cable	0.00	50%	\$ -	\$ -
2	CON-SNT-WSC294SL	SNTC-8X5XNBD Catalyst 2960-X 48 G	415.00	28%	\$ 298.80	\$ 597.60
LOCATION 103						
5	WS-C2960X-48FPS-L	Catalyst 2960-X 48 GigE PoE 740W, 4 x 1G SFP, LAN Base	6,595.00	50%	\$ 3,297.50	\$ 16,487.50
5	CAB-AC15A-80L-US	15A AC Pwr Cord, left-angle (United States) (bundle option)	0.00	50%	\$ -	\$ -
5	PWR-CLP	Power Retainer Clip For Cisco 3560-C and 2960-C Compact Switch	0.00	50%	\$ -	\$ -
5	C2960X-STACK	Catalyst 2960-X FlexStack Plus Stacking Module	1,195.00	50%	\$ 597.50	\$ 2,987.50
5	CAB-STK-E-0.5M	Cisco FlexStack 50cm stacking cable	0.00	50%	\$ -	\$ -
3	GLC-SX-MMD=	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM	500.00	50%	\$ 250.00	\$ 750.00
5	CON-SNT-WSC294SL	SNTC-8X5XNBD Catalyst 2960-X 48 G	415.00	28%	\$ 298.80	\$ 1,494.00
Note: (Where Applicable)						
Subtotal					\$	\$ 51,075.60
Shipping					TBD	
Tax					TBD	
TOTAL					\$	\$ 51,075.60

Price does NOT include shipping
"Net 30" Terms ONLY with approved credit
This quote valid only for 90 calendar days from issuance

Provided pricing is according to the City of Columbus Contract FL005447

City of Columbus Service Proposal

Police Internet Migration Strategy

September 18, 2015

Confidential

Network Dynamics Inc.

Contact: Steve Miller

Email: smiller@ndiwebsite.com

Phone: 330-598-1055

Quote # 1509-02-18252

Statement of Confidentiality

This document contains confidential material proprietary to Network Dynamics Inc. (NDI).

The material, ideas and concepts contained herein are to be used exclusively to evaluate the capabilities NDI.

This information and the ideas herein may not be disclosed, copied or distributed to anyone outside of City of Columbus; or be used for purposes other than the evaluation of NDI's capabilities on this proposed engagement.

PROJECT SCOPE

City of Columbus has requested NDI provide a quote for professional services providing a migration plan to get the Police in accordance with the City's network architecture and standards. The result may be either a recommendation to keep the Police standalone, or migrate onto the City's standards in accordance with Industry and City Best Practices.

Tasks of the Resource:

- ✓ Schedule and Interview approximately 10 key stakeholders at the Police department to determine:
- ✓ A baseline of what equipment they have by analysis of their Baracuda gear.
- ✓ Document the processes of the Police for Internet access.
- ✓ Document their current and projected needs.
- ✓ Document a use case.
- ✓ Develop a "gap" analysis between the Police requirements and the City's standard.
- ✓ Develop either a recommendation to keep as is, or migrate to the City's standards.
- ✓ If a migration is recommended; provide a migration plan that includes equipment recommendations, process recommendations, and migration path.

Deliverables:

- ✓ Baseline documentation
- ✓ Gap analysis
- ✓ Recommendations

ASSUMPTIONS

NDI's services under this PROPOSAL are also based, in part, on the following assumptions and answered questions, and any failure to meet any such assumptions may affect NDI's proposed timeline, deliverables and pricing set forth in this PROPOSAL:

- All terms and conditions are outlined in our contract # FL005447.
- No scope outside of what is described in this PROPOSAL will be required for this implementation.
- The pricing includes an assigned Project Manager by NDI
- Pricing is good for 90 days from date of proposal.
- NDI's ability to meet the proposed completion dates is dependent, among other things, upon the availability and accessibility of relevant CUSTOMER personnel for interviews, meetings and on CUSTOMER management's ability to review progress as specified in this PROPOSAL.
- This proposal does not include requirements for Building Permits, Union Labor or Certificates of Insurance unless specifically listed in the Project Scope.

CITY OF COLUMBUS

NDI's proposed timeline, estimated costs, and deliverables set forth in this PROPOSAL are also subject to City of Columbus's timely performance of the following obligations:

General

- Customer will provide full access to all network devices necessary to implement the designed solution.
- Customer will provide capable administrative staff to assist Seller with physical or logical configuration of components.

- City of Columbus will provide business requirements through NDI led requirements gathering sessions.
- City of Columbus will provide direct access to a dedicated single point of contact that can access the key project stakeholders and contributors to break down internal organization barriers, etc. (Site Contact)
- Where work on the site is required, City of Columbus will provide NDI employees the necessary facilities, infrastructure and support services (e.g., office space, access to conference rooms, telecommunications, internet and LAN access, duplication and delivery services, etc.) to perform project related activities.
- City of Columbus will provide appropriate and available personnel to work with the NDI team during the engagement.
- City of Columbus will provide appropriate security access for all team members.
- City of Columbus will provide VPN access, remote login information, and IP addresses to allow NDI resources to access the systems remotely.
- City of Columbus will share all documentation including network diagrams, documents and plans with the NDI team to assist in performing the design and application development.

CHANGE CONTROL

Upon request for or in event of circumstances requiring Out Of Scope (OOS) work NDI will provide City of Columbus with a Change Request Form.

NDI will respond to out of scope requests with a quotation and/ or a Change Request Form. This form will be used to administratively track changes to this Statement of Work and additional charges resulting from those changes. City of Columbus and NDI will both be required to sign/approve in writing the Change Request Form in order for the changes to this Statement of Work to be accepted and incorporated within. If the Change Request results in a change in price City of Columbus agrees to pay NDI any additional charges incurred as a result of changes to the Statement of Work.

PRICING

Description	QTY	Price	Total
CCIE Level Engineer	118 hours	\$125.00	\$14,750.00
Project Manager	15 hours	\$85.00	1,275.00

TOTAL: \$ 16,025.00

All pricing is in accordance with our contract # FL005447

SIGNATURE ACCEPTANCE SECTION

By signing below, City of Columbus agrees to the terms and conditions as outlined in the proposal.

NETWORK DYNAMICS, INC.

City of Columbus

SIGNATURE

SIGNATURE

NAME

NAME

TITLE

TITLE

DATE

DATE