

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.1

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**MICROWAVE SYSTEMS ANNUAL ALIGNMENT AND  
PREVENTIVE MAINTENANCE SERVICES**

Site Name	Microwave Radio	Site Total
78 <sup>th</sup> Street **		\$
Tampa Gen. Hosp.		\$
Pinecrest #1 & #2**		\$
Hurrah		\$
Bullfrog Creek *		\$
Wimauma		\$
District IV HQ		\$
SOC **		\$
EDOC **		\$
Fire Station 10		\$
Fire Station 20*		\$
Gunn Highway*		\$
Cork Knight*		\$
Taylor Road **		\$
Plant City		\$
78 <sup>th</sup> Street to EDOC		\$
78 <sup>th</sup> Street to SOC		\$
PSOC*		\$
Herring St		\$
TIA		\$
Fire Station 15		\$
Morris Bridge		\$
Pinellas ISSI		\$
Tampa VA		\$
Temple Terrace		\$
Himes		\$
<b>PART D-1 System Total</b>		\$

\* Sites with multiple microwave terminals

\*\* Sites with multiple microwave terminals and multiple multiplex shelves

List any additional equipment charges not included in the above rates:

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.2

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**EAST SYSTEM 800 MHz EDACS TRUNKED SIMULCAST SYSTEM ANNUAL ALIGNMENT AND PREVENTIVE  
MAINTENACE SERVICES**

Site Name	800 MHz EDACS Station Equipment	Simulcast Equipment	Voting Equipment	Antenna Systems TX Combiners RX M/C TTA Amps	Site Total
78 <sup>th</sup> Street					\$
Bullfrog Creek					\$
Taylor Road					\$
Pinecrest #1					\$
Pinecrest #2					\$
Plant City					\$
Wimauma					\$
EDOC (East)					\$
D4 HQ					\$
Cork Knight					\$
Gunn Hwy (RX Only)					\$
Hurrah (RX Only)					\$
<b>PART D-2 System Total</b>					\$

List any additional equipment charges not included in the above rates:

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BID 15-20 - EXHIBIT A

D.2.2

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.3

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**WEST SYSTEM 800 MHz EDACS TRUNKED SIMULCAST SYSTEM ANNUAL ALIGNMENT AND PREVENTIVE  
MAINTENACE SERVICES**

Site Name	800 MHz EDACS Station Equipment	Simulcast Equipment	Voting Equipment	Antenna Systems TX Combiners RX M/C TTA Amps	Site Total
Tampa Gen. Hosp.					\$
Gunn Highway					\$
Fire Station 10					\$
Fire Station 20					\$
Taylor Road (West)					\$
EDOC (West)					\$
Himes					\$
<b>PART D-3 System Total</b>					\$

List any additional equipment charges not included in the above rates:

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BID 15-20 - EXHIBIT A

D.2.3

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.4

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**EAST SYSTEM P25 TRUNKED SIMULCAST SYSTEM ANNUAL ALIGNMENT AND  
PREVENTIVE MAINTENACE SERVICES**

Site Name	P25 Station Equipment	Simulcast Equipment	Antenna Systems TX Combiners RX M/C TTA Amps	Site Total
Bullfrog Creek				\$
Taylor Road				\$
Pinecrest #1				\$
Wimauma				\$
Herring St				\$
D4 HQ				\$
Cork Knight				\$
Hurrah				\$
PART D-4 System Total				\$

List any additional equipment charges not included in the above rates:

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BID 15-20 - EXHIBIT A

D.2.4

D.2.4

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.5

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**WEST SYSTEM P25 TRUNKED SIMULCAST SYSTEM ANNUAL ALIGNMENT AND  
PREVENTIVE MAINTENACE SERVICES**

Site Name	P25 Station Equipment	Simulcast Equipment	Antenna Systems TX Combiners RX M/C TTA Amps	Site Total
Tampa Gen. Hosp.				\$
Gunn Highway				\$
Temple Terrace				\$
Fire Station 20				\$
TIA				\$
EDOC (West)				\$
78 <sup>th</sup> Street				\$
Morris Bridge				\$
Fire Station 15				\$
Tampa VA				\$
<b>PART D-5 System Total</b>				\$

List any additional equipment charges not included in the above rates:

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BID 15-20 - EXHIBIT A

D.2.5

D.2.5

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.6

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**MUTUAL AID SYSTEM 800 MHz CONVENTIONAL SYSTEM ANNUAL ALIGNMENT AND PREVENTIVE SERVICES**

Site Name	800 MHz EDACS Station Equipment	Simulcast Equipment	Voting Equipment	Antenna Systems TX Combiners RX M/C TTA Amps	Site Total
78 <sup>th</sup> Street					\$
Pinecrest					\$
Wimauma					\$
EDOC					\$
Gunn Highway					\$
Fire Station 20					\$
Cork Knight					\$
D4 HQ (RX Only)					\$
Hurrah (RX Only)					\$
PART D-6 System Total					\$

List any additional equipment charges not included in the above rates:

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BID 15-20 - EXHIBIT A

D.2.6

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.7

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**OTHER SYSTEM COMPONENTS ANNUAL ALIGNMENT AND PREVENTIVE SERVICES**

Site Name	Integrated Multisite Controller & Common Equipment	Remote Console Electronics Controller & Common Equipment	Consoles	Network Switching Center & Network First Gateway	EDACS Data gateway TRIM-PC CAD-Link	IMC Manager & RCEC Manager	Site Total
78 <sup>th</sup> Street							\$
SOC Dispatch							\$
EDOC							\$
PSOC							\$
Pinebrooke							\$
<b>PART D-7 System Total</b>							\$

List any additional equipment charges not included in the above rates:

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BID 15-20 - EXHIBIT A

D.2.7

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.8

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**ORIENT ROAD JAIL AND FALKENBURG ROAD JAIL UHF/DMR AND ACCESSORIES**

Site Name	Base Station Equipment	Transmit Combiner Receiver Multicoupler	Server/ Networking Equipment	Logging Recorder	Consoles	Site Total
Orient Road Jail						\$
Falkenburg Road Jail						\$
PART D-8 System Total						\$

List any additional equipment charges not included in the above rates:

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BID 15-20 - EXHIBIT A

D.2.8

D.2.8



HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.9

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**OTHER SYSTEM SERVICES**

Service	[Note]	[Note]	Total
Software Services, Upgrades & Labor			\$
Sweep Backup Radio Antennas SOC			\$
Sweep Backup Radio Antennas PSOC			\$
Downtown TPA Courthouse BDA/Zetron			\$
Herring St/ Plant City Courthouse County System			\$
Sweep Backup Radio Antennas Alternate Dispatch Pinebrooke Bldg.			\$
Eye on Crime Bldg			\$
Annual Testing of Two- Way Radio Communication Enhancement Systems			\$
BDAs/DAS Installs			\$
Site Assessments			\$
Annual Public Safety Radio Penetration BDA Inspection and Maintenance			\$
Site Assessments			\$
Annual Public Safety Radio Penetration BDA Inspection and Maintenance			\$
<b>PART D-9 System Total</b>			\$

List any additional equipment charges not included in the above rates:

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.10

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**PROFESSIONAL SERVICES FOR SUPPORT OF COMMUNICATIONS SYSTEMS**

Description of Professional Services	[Note]	[Note]	Total
System Technician			\$
Maintenance Technician			\$
Maintenance Bench Technician			\$
RF Engineer			\$
IT Engineer			\$
System Installer			\$
Vehicle Equipment Installer			\$
Cabler			\$
Support Staff			\$
Project Manager			\$
Site Manager			\$
Emergency Service Rate			\$
Travel Time			\$
Expenses			\$
Lodging			\$
Per Diem (HCSO SOP 247 Rate)			\$
<b>PART D-10 System Total</b>			\$

**Regular Service Hours:** \_\_\_\_\_

List any additional equipment charges not included in the above rates:

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.11

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**NEW PARTS & COMPONENTS**

**PRICING BASED ON MANUFACTURERS PUBLISHED LIST PRICE LESS DISCOUNT**

Manufacturer	Type of Parts/ Components	List Price	% Discount From List Price	HCSO Price

**PRICING BASED ON ACTUAL COST PLUS MARKUP**

Manufacturer	Type of Parts/ Components	List Price	% Markup above Cost	HCSO Price

**Manufacturers not listed above will be considered as Cost plus Markup \_\_\_\_\_%**

List any additional equipment charges not included in the above rates:

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.12

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**NEW EQUIPMENT & ACCESSORIES**

**PRICING BASED ON MANUFACTURERS PUBLISHED LIST PRICE LESS DISCOUNT**

Manufacturer	Type of Parts/ Components	List Price	% Discount From List Price	HCSO Price

**PRICING BASED ON ACTUAL COST PLUS MARKUP**

Manufacturer	Type of Parts/ Components	List Price	% Markup above Cost	HCSO Price

**Manufacturers not listed above will be considered as Cost plus Markup \_\_\_\_\_%**

List any additional equipment charges not included in the above rates:

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.13

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**OTHER SERVICES, OPTIONS, ACCESSORIES**

**PRICING BASED ON MANUFACTURERS PUBLISHED LIST PRICE LESS DISCOUNT**

Manufacturer	Type of Service/ Options/Accesso	List Price	% Discount From List Price	HCSO Price

**PRICING BASED ON ACTUAL COST PLUS MARKUP**

Manufacturer	Type of Service/ Options/Accesso	List Price	% Markup above Cost	HCSO Price

Manufacturers not listed above will be considered as Cost plus Markup \_\_\_\_\_ %

List any additional equipment charges not included in the above rates:

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.14

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**REPLACEMENT SPARE PARTS (REFURBISHED or EXCHANGED) & PARTS FOR  
REPAIR**

**PRICING BASED ON MANUFACTURERS PUBLISHED LIST PRICE LESS DISCOUNT**

Manufacturer	Type of Parts/ Components	List Price	% Discount From List Price	HCSO Price

**PRICING BASED ON ACTUAL COST PLUS MARKUP**

Manufacturer	Type of Parts/ Components	List Price	% Markup Above Cost	HCSO Price

**Manufacturers not listed above will be considered as Cost plus Markup \_\_\_\_\_ %**

List any additional equipment charges not included in the above rates:

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.15

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**ADDITIONAL COMPONENTS AND SERVICES  
(MUST BE FULLY DESCRIBED/EXPLAINED)**

DESCRIPTION OF ADDITIONAL COMPONENTS	Fixed Pricing
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$

DESCRIPTION OF ADDITIONAL SERVICES	Fixed Pricing
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$

List any additional equipment charges not included in the above rates:

BID 15-20 EXHIBIT A

D.2.15

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.16

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**FLAT RATE REPAIRS INCLUDING PARTS**

TYPES OF SERVICES / EQUIPMENT	COST Plus %
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$

**Services for System upgrades will be quoted on a case by case basis.**

List any additional equipment charges not included in the above rates:

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BID 15-20 - EXHIBIT A

D.2.16



HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.17

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**COMMUNICATIONS TOWER STRUCTURE RFP PROPOSAL**

I. Communications Tower Structure and Antenna System Maintenance Requirements

<u>Line #</u>	<u>Description of Work</u>	<u>Price</u>	<u>/ UOM</u>
1.	Annual Inspection as listed in Part C - Specifications and Scope of Work	_____	/ ft
2.	Profiling of Tower Structure and appurtenances (including antennas and transmission lines)	_____	/ ft
3.	Profiling of Tower Structure and appurtenances when performed in conjunction with an annual tower inspection	_____	/ ft
4.	Painting of Self-Supporting Tower Structures (in accordance with FAA Requirements)	_____	/ ft
5.	Painting of Guyed Tower Structures (In accordance with FAA Requirements)	_____	/ ft
6.	Dismantle, Removal and Disposal of existing Self-Supporting Towers	_____	/ ft
7.	Dismantle, Removal and Disposal of existing Guyed Towers	_____	/ ft
8.	Tower Lighting System (Inspection and Repairs as may be required)	_____	/ ft
9.	Antenna and/or transmission line (Inspection and Repairs as may be required)	_____	/ ft
10.	Replacement of Jumper Cables	_____	/ ft
11.	Install Antenna with 7/8" Transmission line to include installation of mounting brackets, hangers and hardware	_____	/ ft
12.	Install Antenna with 1-5/8" Transmission Line to include installation of mounting brackets, hangers and hardware	_____	/ ft
13.	Install 1/2" Transmission Line to include hangers and hardware	_____	/ ft
14.	Install 7/8" Transmission Line to include hangers and hardware	_____	/ ft
15.	Install 1-5/8" Transmission Line to include hangers and hardware	_____	/ ft
16.	Antenna Removal and Replacement	_____	/ ft
17.	Antenna Removal Only	_____	/ ft
18.	1/2" Transmission Line and Connector Removal and Replacement	_____	/ ft
19.	7/8" Transmission Line and Connector Removal and Replacement	_____	/ ft

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.17

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

20.	1-5/8" Transmission Line and Connector Removal and Replacement	_____	/ ft
21.	1/2" Transmission Line Removal only to include hangers	_____	/ ft
22.	7/8" Transmission Line Removal only to include hangers	_____	/ ft
23.	1-5/8" Transmission Line Removal only to include hangers	_____	/ ft
24.	1/2" Connector Removal and Replacement	_____	/ ft
25.	7/8" Connector Removal and Replacement	_____	/ ft
26.	1-5/8" Connector Removal and Replacement	_____	/ ft
27.	Removal and Replacement of Cable Hangers	_____	/ ft
28.	Tower Top amplifier Installation to include installation of Mounting brackets and hardware	_____	/ ft
29.	Tower Top Amplifier Removal and Installation	_____	/ ft
30.	Install 6 ft. Microwave Dish with Pressurized Waveguide Transmission Line to include mounting brackets, hangers, Hardware and Pressurization	_____	/ ft
31.	Removal of 6 ft. Microwave Dish with Pressurized Waveguide Transmission Line to include mounting brackets, hangers, Hardware and Pressurization	_____	/ ft
32.	Microwave Feed Horn Removal and Replacement	_____	/ ft
33.	Microwave Feed Horn Removal Only	_____	/ ft
34.	Microwave Dish Optimization (Specify number of Personnel)	_____	/ hr
35.	Sweeping of Transmission lines to include copy of Sweep Documentation	_____	/ line
36.	Sweeping of Transmission lines to include copy of Sweep Documentation when performed in conjunction with another task listed in the price schedule	_____	/ line
37.	Miscellaneous Tower, Antenna, Transmission Line work	_____	/ ft
	Provide hourly rates below for various personnel		
	(Invoiced Hourly rates to be based upon time spent on site)		
	_____	_____	/ hr
	_____	_____	/ hr
	_____	_____	/ hr
	_____	_____	/ hr
38.	Flat Rate Travel - Round Trip	_____	/
39.	Flat Rate Travel - Emergency Call Out	_____	/

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.17

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

40. List any additional equipment charges not included in the above rates

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Hillsborough County Sheriff's Office reserves the right to request hourly rate proposals for any of the above proposed services.

NOTE TO PROPOSER: When work is required on towers or antennas that are located on rooftops, the price per foot shall apply only to the tower or antenna structure itself. The measurement will begin at the base of the tower or antenna, not at ground level.

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.18

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

**UPS Systems, DC Power Systems and Battery Systems RFP Proposal**

I. UPS Systems, DC Power Systems and Battery Systems Alignment & Scheduled Maintenance

Site Name	UPS System	DC Power System	Battery System	Site Total
78 <sup>th</sup> Street				\$
Bullfrog Creek				\$
Taylor Road				\$
Pinecrest				\$
Plant City				\$
Wimauma				\$
Himes Avenue				\$
EDOC				\$
EDOC (Backup Radio)				\$
D4 HQ				\$
Hurrah				\$
Tampa Gen. Hosp.				\$
Gunn Highway				\$
Fire Station 10				\$
Fire Station 20				\$
Cork Knight				\$
SOC				\$
SOC (Backup Radio)				\$
ORJ 18 KVA				\$
ORJ 1.5 KVA				\$
ORJ 1.0 KVA				\$
Video Downlink				\$
Radio Shop				\$
Spare				\$
Herring St				\$
Morris Bridge				\$
Fire Station 15				\$
Tampa VA				\$
Falkenburg Rd Jail				\$
Taylor Rd (Old)				\$
Pinebrooke				\$
TIA				\$
Temple Terrace – Fire Station 1				\$
<b>TOTAL PART D-18</b>				<b>\$</b>

HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.18

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

List any additional equipment charges not included in the above rates:

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Professional Services for Support of UPS Systems, DC Power Systems and Battery Systems

<u>Description of Professional Services</u>	<u>Hourly Rate</u>	<u>Rate</u>
System Technician	\$	\$
Maintenance Technician	\$	\$
Maintenance Bench Technician	\$	\$
Power Engineer	\$	\$
System Installer	\$	\$
Emergency Service Rate	\$	\$
Travel Time	\$	\$
Expenses	\$	\$
Lodging	\$	\$
Per Diem (HCSO SOP 247 Rate)	\$	\$

**Regular Services Hours:** \_\_\_\_\_

List any additional equipment charges not included in the above rates:

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.18

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

II. Parts and Components

**PRICING BASED ON MANUFACTURERS PUBLISHED LIST PRICE LESS DISCOUNT**

Manufacturer	Type of Parts/ Components	List Price	% Discount From List Price	HCSO Price

**PRICING BASED ON ACTUAL COST PLUS MARKUP**

Manufacturer	Type of Parts/ Components	List Price	% Markup Above Cost	HCSO Price

List any additional equipment charges not included in the above rates:

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.18

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

III. Replacement or Additional Equipment

**Replacement Equipment Pricing based on Manufacturers Published List Price Less Discount**

Manufacturer	Type of Parts/ Components	List Price	% Discount From List Price	HCSO Price

**Replacement or Additional Equipment Pricing based on Actual Cost Plus Markup**

Manufacturer	Type of Parts/ Components	List Price	% Markup above Cost	HCSO Price

List any additional equipment charges not included in the above rates:

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE  
FINANCIAL SERVICES DIVISION - PURCHASING SECTION

D.2.18

BID 15-20: 700/800 MHz EDACS and P25 Communication Systems - EXHIBIT A

IV. Other Services, Options, Accessories

**Pricing based on Manufacturers Published List Price Less Discount**

Manufacturer	Type of Parts/ Components	List Price	% Discount From List Price	HCSO Price

**Pricing based on Actual Cost Plus Markup**

Manufacturer	Type of Parts/ Components	List Price	% Markup above Cost	HCSO Price

List any additional equipment charges not included in the above rates:

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