



Public Safety Systems, Inc.

100 Arnold Lane
Paragould, AR. 72450
870-236-0487
Cell 870-236-0486



June 10, 2008

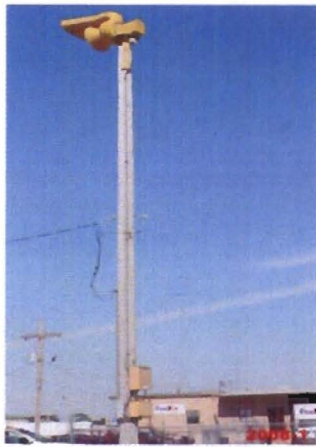
City Of Jonesboro
515 West Washington Av.
Jonesboro, AR. 72401

RE: Outdoor Storm Warning Sirens (BID # 2008:18)

Dear Sir,

I would like to thank you for the opportunity to bid on the outdoor warning sirens for the City Of Jonesboro. I have done a complete evaluation of each existing siren in the City Of Jonesboro. Most of the sirens were found to be installed with rigid galvanized conduit. Any sirens containing PVC conduit will have all conduit replaced with new rigid aluminum conduit. All of the existing sirens are in need of additional conduit straps which will be installed. Upgrading with the American Signal Controllers will also be replacing all of the 48 volt transformers and rectifiers currently being used by the Federal units. This item most likely is not in the plans to be replaced by Federal. The proposed system upgrade also includes the upgrading of the siren control radios. The City Of Jonesboro sirens currently operate on low band frequency allocation. The upgrade will be using a UHF frequency allocation which will provide better signal coverage for sirens on the outer end of the system, and for future growth of the system. The UHF system could have a repeater added to the system in the future if the City Of Jonesboro continued to grow beyond the reach of the current system. Our plan to upgrade with the American Signal Controllers will be placing all new electronic controls and hardware on every siren location, and not reusing or leaving any used electronic control equipment in place.

I have included 2 Bid Proposals for the City Of Jonesboro System. Bid #1 is based from the original bid specifications provided by the City Of Jonesboro. Bid #2 has a secondary means of providing a better system at less cost. The primary improvement to Bid #2 would be the addition of a secondary means of control to the sirens, which could be activated from any designated radios strategically placed anywhere in the City Of Jonesboro. Also included in Bid #2 it was found during our evaluation that the poles at the following locations would be adequate to use for the new siren installations at these locations. The poles appear to be modern and would be acceptable for the new installations, providing a substantial dollar savings.



2008-1



2008-5



2008-13



2009-9



2009-10

All new poles being installed will be a 60' Class 2 pole. Most competitors use a 50' pole and standard Electric Company pole specifications for their pole installations. That specification being 10% plus 2 feet.

Competitors:

50' pole = 7 feet in ground with 43' above ground

American Signal:

60' pole = 12 feet in ground with 48' above ground

The additional depth of the pole provides a much more stable platform for the siren, helping to prevent leaning of the siren over time or leaning due to a high wind encounter. Leaning of a siren out of level will have negative effects on the sound output and distribution

of the siren, causing some areas within the rotational area of the siren to have less volume, and less coverage. The attached maps shows estimated sound coverage for the City Of Jonesboro.

Map #1 shows the coverage from the proposed system upgrade using the existing Federal 2001 sirens with the 9 replaced sirens and 12 additional sirens being American Signal T-128.

Map #2 shows the coverage if the entire system was built with only Federal 2001 sirens.

The added coverage provided by the American Signal T-128 siren is achieved with the 7 ½ horsepower motor as compared to the Federal 6 horsepower motor. Also contributing to the coverage difference is the American Signal T-128 siren operating at a lower frequency of 500 hz., as compared to Federal at 750 hz. The lower frequency provides better penetration and range of sound.

I would also like to bring to your attention that we are located only 20 minutes from the City Of Jonesboro, and are available for service or assistance 24 hours a day. Please find attached a list of references to go along with 2 local references.

City Of Paragould
Mayor, Mike Gaskill
870-239-7510

City Of Pocahontas
Fire Chief, Scott Baltz
870-892-8553

Thank You,

Nicki Arnold



Public Safety Systems, Inc.

100 Arnold Lane
Paragould, AR. 72450
870-236-0487
Cell 870-236-0486



Name / Address

City Of Jonesboro
410 W. Washington
Jonesboro, AR. 72401

Date

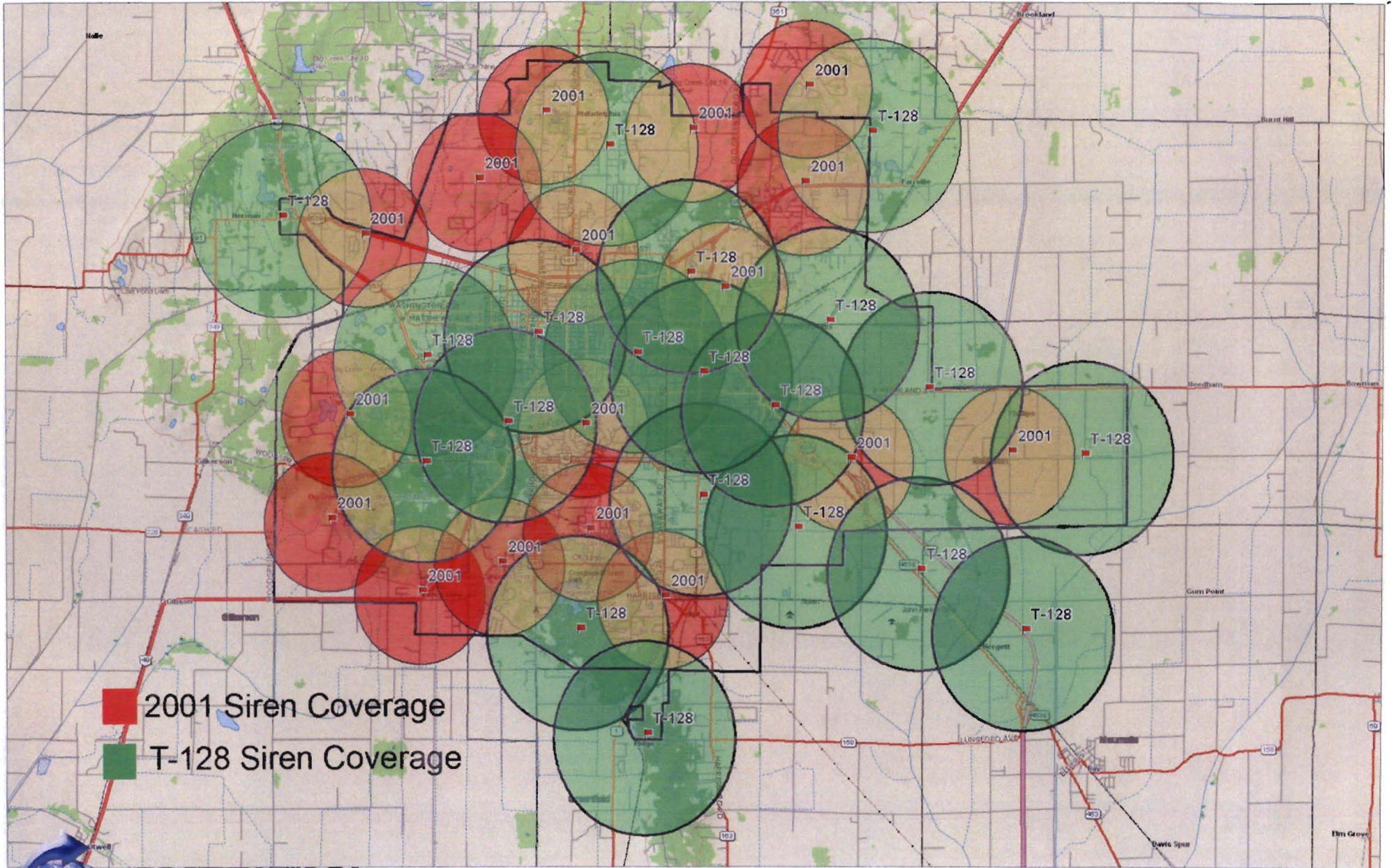
6/5/2008

Estimate

1007

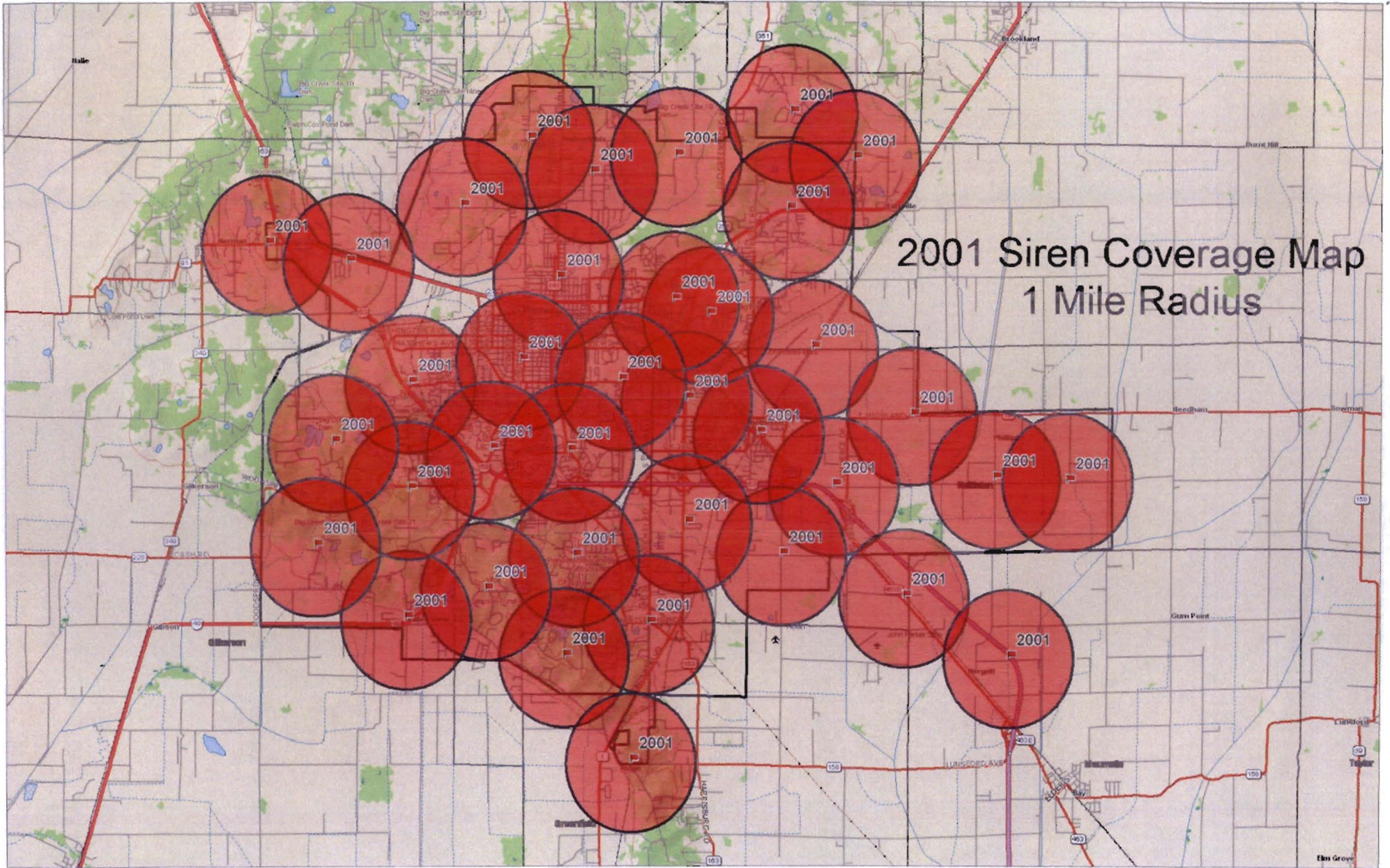
BID PROPOSAL

Qty	Description	Rate	Total
17	American Signal - AC/DC Motor Control 128 UL Listed w/ 48 volt transformer / NEMA enclosure / 2way UHF radio control, current sensor, 2 tone secondary control, Omni Directional Antenna	5,965.71	101,417.07T
17	Removal of Existing Control Unit	250.00	4,250.00T
17	Installation of Siren Controllers on existing sites.	1,800.00	30,600.00T
9	American Signal Tempest T-128 Rotating Siren 48v. DC UL Listed w/ pole mount	5,774.51	51,970.59T
9	American Signal - AC/DC Motor Control 128 UL Listed w/ 48 volt transformer / NEMA enclosure / 2way UHF radio control, current sensor, 2 tone secondary control, Omni Directional Antenna	5,965.71	53,691.39T
4	Removal of 4 locations, including removal of poles, and existing equipment	750.00	3,000.00T
5	Removal of 5 locations of siren and equipment. Leave existing pole for new installation	450.00	2,250.00T
4	Installation of Tempest 128 Siren Head, AC/DC Motor Control, including 60' Class II Wood Pole	4,850.00	19,400.00T
5	Installation of Tempest 128 Siren Head, AC/DC Motor Control, using existing pole	3,450.00	17,250.00T
12	American Signal Tempest T-128 Rotating Siren 48v. DC UL Listed w/ pole mount	5,774.51	69,294.12T
12	American Signal - AC/DC Motor Control 128 UL Listed w/ 48 volt transformer / NEMA enclosure / 2way UHF radio control, current sensor, 2 tone secondary control, Omni Directional Antenna	5,965.71	71,588.52T
12	Installation of Tempest 128 Siren Head, AC/DC Motor Control, including 60' Class II Wood Pole	4,850.00	58,200.00T
1	American Signal CSC-960FSK Central Station Controller	3,423.28	3,423.28T
1	Compuert Management Software Pre Loaded to Dell Windows based PC w/ 17" Flat Panel Monitor, and Ink Jet Printer	4,344.33	4,344.33T
1	Network Driver, Internet Monitoring and Control	750.00	750.00T
1	Secondary Activation UHF Radio, Antenna & Coax, Battery Backup Power Supply/ Installed	2,775.00	2,775.00T
1	Local Discount	-6,600.00	-6,600.00T
		Subtotal	\$487,604.30
		Sales Tax (0.0%)	\$0.00
		Total	\$487,604.30

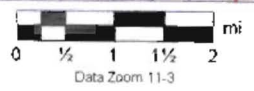


■ 2001 Siren Coverage
■ T-128 Siren Coverage





2001 Siren Coverage Map 1 Mile Radius



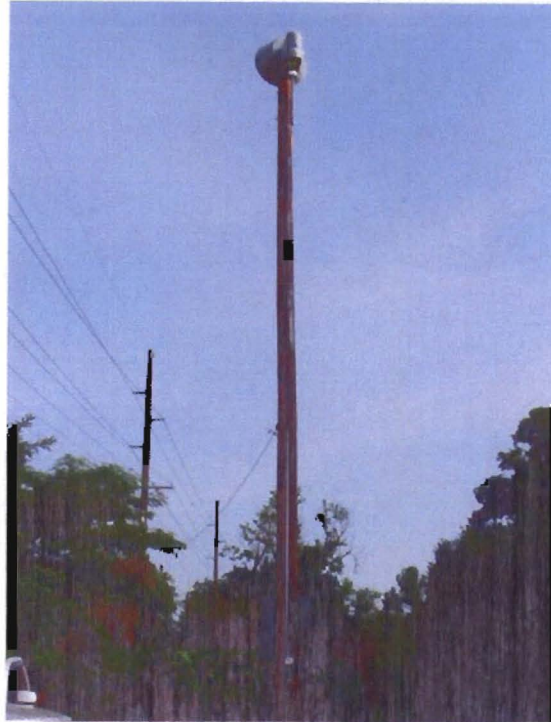


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New Installation of American Signal T-128





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Description of Maintenance for Outdoor Warning Sirens

Visual Inspection of the following:

- Equipment Cabinets
- Electrical conduits and connectors
- Ground connections
- Pole condition
- Battery cable connections

Technical Testing:

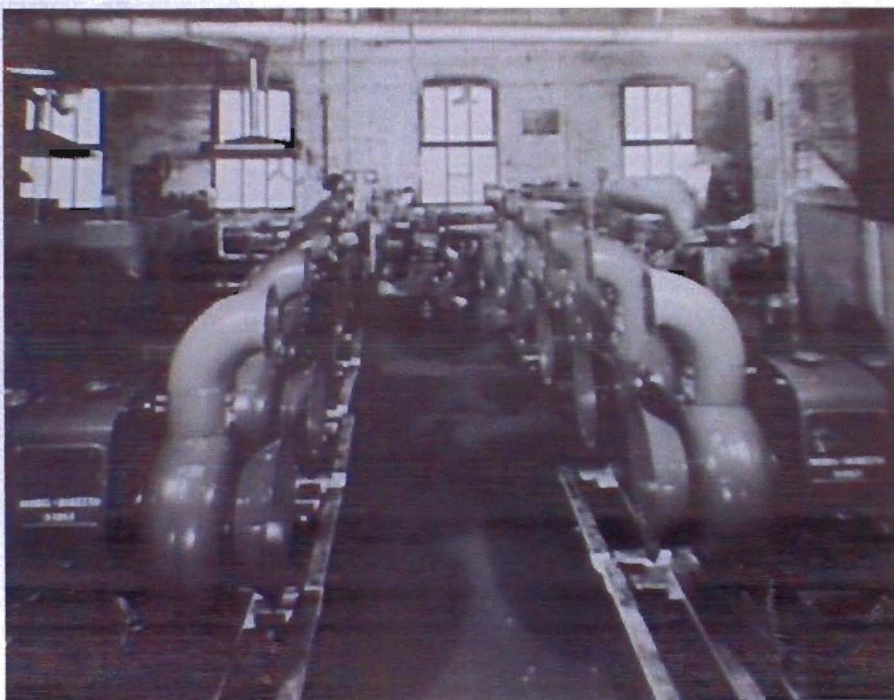
- Check all 9 control fuses
- Check incoming voltage from power company
- Load Test each battery and log
- Check battery charger for each battery
- Check contactors for corrosion or burnt signs
- Check rotate control voltage output
- Check motor head voltage and current during operation
- Check all cabinet tamper switches
- Check radio output power and radio antenna



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Example CompuLert Monitor Status

ARLNDM01. (Design Mode)

File Command Status Maps Reports Configure Help 11:12:24 Thu Jan 11 2007

Demo
Send Alert (M1) to
1** Send
Abort

Quick Select List
*** - All Sirens
1** - Arlington
2** - Alexandria

Map labels: Falls Church, Seven Corners, Arlington, Alexandria, Washington D.C., North Arlington Detail View, South Arlington Detail View, Alexandria Detail View, Shirley Duke, Parkfairfax, Ronald Reagan Washington National Airport, Beltsville, Annandale, Edsall Park, Leesville Blvd, Burgundy, Eisenhower Ave, Weyer Ave, Duke St, King St, 176B-A, 176A, 174, 172, 170, 168, 166, 164, 162, 160, 158, 156, 154, 152, 150, 148, 146, 144, 142, 140, 138, 136, 134, 132, 130, 128, 126, 124, 122, 120, 118, 116, 114, 112, 110, 108, 106, 104, 102, 100, 98, 96, 94, 92, 90, 88, 86, 84, 82, 80, 78, 76, 74, 72, 70, 68, 66, 64, 62, 60, 58, 56, 54, 52, 50, 48, 46, 44, 42, 40, 38, 36, 34, 32, 30, 28, 26, 24, 22, 20, 18, 16, 14, 12, 10, 8, 6, 4, 2, 0.

AMERICAN SIGNAL CORPORATION

Demo Pager
AMERICAN SIGNAL CORPORATION
PAGER



City of Jonesboro
Invitation to Bid - Not an Order

P.O. Box 1845
 515 West Washington Ave. (72401)

Purchasing Office
 Bid No. 2008:18

Jonesboro, Arkansas 72403
 Date May 23, 2008

Sealed bids, subject to the conditions on the reverse hereof, and as may be attached hereto, will be received at this office until 2:00pm Thur June 12, 2008 and then publicly opened, for furnishing the supplies, materials and/or services as described below and tabulated for presentation to the City Council on n/a.

F.O.B. Jonesboro
 Maximum Delivery or completion time after issuance of Purchase Order or work ordered by the City 30 days.

By: **Steve A. Kent**
 Purchasing Agent
 (870)932-0740

Item	Description	Quantity	Unit	Unit Price	Amount
	<p>SCOPE:</p> <p>The City of Jonesboro is accepting bids for the following equipment. The following minimum specifications are considered necessary to perform the work required. The equipment specified, in order to establish a basis of design, performance, and quality, is based on Federal Models. Manufacturers' published literature must clearly show that the products being offered are in compliance with these specifications. All equipment furnished under this contract shall be new and manufacturer's current production model unless stated otherwise. Accessories, not specifically mentioned herein but necessary to furnish a complete unit ready for use, also shall be included. Units are to be installed by the Bidder.</p> <p><u>If any of the equipment bid varies from the specifications, such variation(s) must be listed in writing and attached as part of the bid proposal.</u> The City of Jonesboro reserves the right to waive minor variance(s) if in the opinion of the Police Department that the basic bid meets the general intent of these specifications.</p> <p>State Make and Models being bid: <u>AMERICAN SIGNAL T-128</u></p> <p>Warranty explanation: <u>5yr. MECHANICAL 2yr. ELECTRONICS 7/3yr. BATTERIES</u></p> <p>Estimated time of delivery: <u>30-45</u> days</p> <p>Bid number (2008:18) must be annotated on the outside of bidder's envelope. Bid must be signed or bid will be rejected. Email address: <u>NICKI@PARAGOULDCOMMUNICATIONS.COM</u> Does bidder meet ALL specifications? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Bidder shall have and attach to this bid a copy of proof that bidder has and maintains worker's comp insurance and sufficient liability insurance. Any accidents and/or destruction of property not owned by the bidder shall be covered and/or replaced if damage occurs.</p> <p>The City of Jonesboro will supply any and all electrical that is required for installation. Bidder will supply any and all electrical from the outlet to equipment.</p> <p>Any addendum to this bid will be posted on the Purchasing web site no later than 1 week before bid opening. See page 2 for web address.</p> <p>Maintenance agreement for entire system per year: <u>\$3500 ONCE PER YEAR</u> Price shall remain firm for a 3 year period at which time the City may negotiate continuance for two (2) additional years. Please attach an explanation to explain maintenance agreement... What is covered/what is not.</p>				

Execution of Bid

Date 6-10-2008

We, the undersigned, have read all the requirements set forth in this bid proposal including specification, instructions, conditions and pertinent information regarding the articles being bid on, and we agree to furnish articles at the prices stated.

Arkansas Use Tax Register No. 11333-28-001

Phone # (870) 236-0486

Bidder PUBLIC SAFETY SYSTEMS, INC. Address 100 ARNOLD LANE

By [Signature] PRESIDENT City PARAGOULD
 (Person Authorized to Sign Bids) (Title)

Unsigned Bids Will Be Rejected

Bids number **MUST** be annotated on Bidder's envelope.
 Bids are subject to rejection unless submitted on this form.
Notice to bidders: See reverse side for instructions and conditions.

Specifications and bid sheet for bid:			Unit	Total
2-Way FSK DC Control Unit (VHF) upgrade existing 2001 Siren units to 2-way:				
1	17	AC Siren Control Unit (FSK / 2-way / VHF)	\$ 3329.76	\$ 56,605.92
2	17	Voltage Sensor Package	\$ 59.82	\$ 1016.94
3	17	Omni-Directional Antenna w/ coaxial cable	\$ 195.00	\$ 3315.00
4	17	Removal of Existing Control Unit	\$ 250.00	\$ 4250.00
5	17	Installation of 2-Way Siren Control Unit	\$ 1620.00	\$ 27,540.00
TOTAL				\$ 92,727.86
2001-130 AC Siren replacements - Replace ACA and Sentry Sirens w/130db Siren				
1.	9	Rotating Siren (130db) w/ POLE MOUNT	\$ 5774.51	\$ 51,970.59
2	9	AC Siren Control Unit (FSK / 2-way / VHF)	\$ 3329.76	\$ 29,967.84
3.	9	Voltage Sensor Package	\$ 59.82	\$ 538.38
4.	9	Omni-Directional Antenna w/ coaxial cable	\$ 195.00	\$ 1755.00
5	9	Removal of existing siren equipment	\$ 750.00	\$ 6750.00
6.	9	Install (Includes 50' Class II Wood Pole) 60'	\$ 4720.00	\$ 42,480.00
TOTAL				\$ 133,461.81
2001-130 AC Siren Additional Sites to increase coverage				
1.	12	Rotating Siren (130db) w/ POLE MOUNT	\$ 5774.51	\$ 69,294.12
2.	12	AC Siren Control Unit (FSK / 2-way / VHF)	\$ 3329.76	\$ 39,957.12
3	12	Voltage Sensor Package	\$ 59.82	\$ 717.84
4.	12	Omni-Directional Antenna w/ Coaxial Cable	\$ 195.00	\$ 2340.00
5.	12	Install (includes 50' Class II Wood Pole) 60'	\$ 4720.00	\$ 56,640.00
TOTAL				\$ 168,949.08
Activation Points Encoder, Software, Installation & Training				
1.	2	FSK Encoder (Desktop or RackMount) ASC 960 FSK CONTROLLER	\$ 3423.28	\$ 6,846.56
2.	2	Installation of 552000D Encoder ASC-960, DELL PC w/COMPLERT, CONTROL RADIO & ANTENNA	\$ 2400.00	\$ 4800.00
3	2	COMPLERT Digital Command Software (Up to 255RTU's) INCLUDED IN	\$	\$
4.	2	Dell Desktop PC w/COMPLERT LOADED, 17" FLAT SCREEN & PRINTER	\$ 4344.33	\$ 8688.66
5.	1	System Optimization for Secondary Control Point NOT NEEDED	\$	\$
6.	1	System Optimization and Complete Training Package	\$ No Charge	\$
7.	1	Client Server Software (Internet Monitoring & activation) NETWORK DRIVER	\$ 750.00	\$ 750.00
TOTAL				\$ 21,085.22
GRAND TOTAL OF ALL 4 SECTIONS				\$ 416,223.97

Specifications and bid sheet for bid: Same Specs but with AC/DC operation			Unit	Total
2-Way FSK DC Control Unit (VHF) upgrade existing 2001 Siren units to 2-way:				
1.	17	AC Siren Control Unit (FSK / 2-way / VHF) + DC	\$5492. ¹⁶	\$93,366. ⁷²
2.	17	Voltage Sensor Package	\$ 59. ⁸²	\$1016. ⁹⁴
3.	17	Omni-Directional Antenna w/ coaxial cable	\$ 195. ⁰⁰	\$3315. ⁰⁰
4.	17	Removal of Existing Control Unit	\$ 250. ⁰⁰	\$4250. ⁰⁰
5.	17	Installation of 2-Way Siren Control Unit	\$ 1800. ⁰⁰	\$30,600. ⁰⁰
TOTAL				\$ 132,548. ⁶⁶
2001-130 AC Siren replacements - Replace ACA and Sentry Sirens w/130db Siren				
1.	9	Rotating Siren (130db) w/ POLE MOUNT	\$5774.51	\$51,970.59
2.	9	AC Siren Control Unit (FSK / 2-way / VHF) + DC	\$5492.16	\$49,429.44
3.	9	Voltage Sensor Package	\$ 59.82	\$538.38
4.	9	Omni-Directional Antenna w/ coaxial cable	\$ 195.00	\$1755.00
5.	9	Removal of existing siren equipment	\$ 750.00	\$6750.00
6.	9	Install (Includes 50' 60' Class II Wood Pole)	\$4850.00	\$43,650.00
TOTAL				\$154,093.41
2001-130 AC Siren Additional Sites to increase coverage				
1.	12	Rotating Siren (130db) w/ POLE MOUNT	\$5774.51	\$69,294.12
2.	12	AC Siren Control Unit (FSK / 2-way / VHF) + DC	\$5492.16	\$65,905.92
3.	12	Voltage Sensor Package	\$ 59.82	\$717.84
4.	12	Omni-Directional Antenna w/ Coaxial Cable	\$ 195.00	\$2340.00
5.	12	Install (includes 50' 60' Class II Wood Pole)	\$4850.00	\$58,200.00
TOTAL				\$196,451.88
Activation Points Encoder, Software, Installation & Training				
1.	2	FSK Encoder (Desktop or RackMount) ASE 960 FSK CONTROLLER	\$3423.28	\$6,846.56
2.	2	Installation of SS2000D Encoder ASE-960, DELL PC w/COMPLEAT CONTROL RADIO + ANTENNA	\$2400.00	\$4800.00
3.	2	Digital Commander Software (Up to 255RTU) INCLUDED IN COMPLEAT	\$	\$
4.	2	Dell Desktop PC w/COMPLEAT LOADED, 17" FLAT SCREEN + PRINTER	\$4344.33	\$8688.66
5.	1	System Optimization for Secondary Control Point NOT NEEDED	\$	\$
6.	1	System Optimization and Complete Training Package	\$NO CHARGE	
7.	1	Client Server Software (Internet Monitoring & activation) NETWORK DRIVER	\$ 750.00	\$ 750.00
TOTAL				\$21,085.22
GRAND TOTAL OF ALL 4 SECTIONS				\$504,185.17
			Local Discount	6,600.00
TOTAL				497,585.17