



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CA08-230**

1. Agenda Item Number:
33
2. Council Meeting Date:
April 24, 2008

TO: MAYOR & COUNCIL

3. Date Prepared: April 10, 2008

THROUGH: CITY MANAGER

4. Requesting Department: Police

5. SUBJECT: Award a construction contract for 9-1-1 System Replacement, Project No. PD0803-401, to Rosendin Electric in an amount not to exceed \$91,348.

6. RECOMMENDATION: Staff recommends Council award a construction contract for 9-1-1 System Replacement, Project No. PD0803-401, to Rosendin Electric in an amount not to exceed \$91,348.

7. BACKGROUND/DISCUSSION: Maricopa Region 9-1-1 had planned to replace the Chandler Police Department's current 9-1-1 system with a new, more reliable system in late 2007. The current 9-1-1 system, originally installed in 2002, has experienced many equipment issues during the past year including loss of statistical data and position down time. Maricopa Region 9-1-1 provides maintenance and support 24 hours a day, seven days a week, but has experienced increased difficulty in obtaining replacement parts to maintain the system due to lack of availability and the fact that the manufacturer no longer supports the system's existing hardware. As planning began for the new system it became apparent in December 2007 that there was insufficient electrical power and insufficient UPS power available in the City's 9-1-1 Dispatch Center to support the new system, and that the City's Building and Facilities Department did not have the resources to complete the required work. It was suggested by the Building and Facilities Department that an electrical engineer be consulted to meet the requirements. This was done and it was determined that additional power for the 9-1-1 System could be brought from the main power source at the main Police Department building to the existing Police Dispatch Center. Maricopa Region 9-1-1 has purchased and received the required equipment to install the new 9-1-1 system in the City of Chandler, and has already begun installation of cables and mounting racks to support the new system in the Police Department's Dispatch Center. They are ready to begin installation of the 9-1-1 hardware once the required electrical power is available. Maricopa Region 9-1-1 will fund, install, and support the new 9-1-1 system once in place. This project includes the installation of equipment necessary for additional power and UPS power to support the 9-1-1 system.

8. EVALUATION PROCESS: Electrical construction has been bid by Maricopa County (Contract Serial No. 03017) and an award was made to Rosendin Electric. The use of this contract eliminates the cost of issuing a formal solicitation, reduces the lead-time in obtaining the required products and services, and results in a lower overall cost. The City has an intergovernmental agreement with Maricopa County.

9. FINANCIAL IMPLICATIONS:

Cost: \$91,348

Fund Source:

Acct. No.:	Fund Name:	Program Name:	CIP Funded:	Amount:
101.2060.0000.6314.000000	General Fund	Police Communications	FY07/08	\$91,348.00

10. PROPOSED MOTION: Move that Council award a construction contract for 9-1-1 System Replacement, Project No. PD0803-401, to Rosendin Electric in an amount not to exceed \$91,348.

ATTACHMENTS: None

APPROVALS

11. Requesting Department

Vicki Szczepkowski
Vicki Szczepkowski, Communications Manager

13. Department Head

Sherry Kiyler
Sherry Kiyler, Police Chief

12. Procurement Officer

Sharon Brause
Sharon Brause, CPPB

14. City Manager

W. Mark Pentz
W. Mark Pentz

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REI # 241747

**PROJECT AGREEMENT
PURSUANT TO MARICOPA COUNTY CONTRACT NO. 03017**

**AGREEMENT NO: PD0803-401
PROJECT NAME (or LOCATION): 9-1-1 System Replacement
DEPT.: Police**

This AGREEMENT is made this 10th day of April 2008, by and between the City of Chandler, a municipal corporation (hereinafter referred to as "CITY") and Rosendin Electric, (hereinafter referred to as "CONTRACTOR") and is entered into pursuant to MARICOPA COUNTY CONTRACT NO. 03017.

CITY and CONTRACTOR, in consideration of the mutual covenants herein set forth, agree as follows:

ARTICLE 1. DESCRIPTION OF WORK

CONTRACTOR shall complete, provide and perform, or cause to be performed, all work described herein in a proper and workmanlike manner and shall furnish all labor, materials, services, supervision, tools, equipment and licenses necessary to complete the work described herein with appropriate consideration for public safety and convenience, consistent with the highest standards of professional and construction practices and in full compliance with, and as required by or pursuant to, this Contract, all applicable City, State, Federal laws, regulations and adopted specifications, and with the greatest economy, efficiency, and expediency consistent therewith in accordance with and is pursuant to the terms and conditions of the MARICOPA COUNTY Contract with ROSENDIN ELECTRIC

Contractor shall provide for all construction management, and construction services required to install (1) new 225Amp 120/208V panel to feed new dispatch UPS system and associated receptacles in existing radio dispatch room. Per drawings by Pearson Engineering dated 02-08-08. Sheets E1, E2 & E3. The full scope of work is more particularly described in Exhibit A attached hereto and incorporated herein by reference.

The CONTRACTOR shall not accept any change of scope, or change in contract provisions, unless issued in writing, as a contract amendment or change order and signed by the authorized signatories for each party.

ARTICLE 2. CONTRACT PRICE

CITY shall pay CONTRACTOR for completion of the Work in accordance with the Contract Documents a fee not to exceed Ninety One Thousand Three Hundred Forty Eight Dollars (\$91,348) determined and payable as set forth in MARICOPA COUNTY CONTRACT 03017 and Exhibit B attached hereto and made a part hereof by reference.

ARTICLE 3. CONTRACT TIME & SCHEDULE

The Contract Time is Thirty days and CONTRACTOR agrees to complete all Construction within Thirty (30) days from the effective date of the Notice to Proceed.

ARTICLE 4. GENERAL

This Project Agreement is entered into pursuant to MARICOPA COUNTY CONTRACT NO. 03017 and the terms and conditions contained therein are incorporated herein by reference as if set forth in full.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first written above. This Agreement will be effective upon execution by the both parties.

IN WITNESS WHEREOF, the parties have hereunto subscribed their names to this 10th day of April 2008.
CITY OF CHANDLER

MAYOR DATE:
ADDRESS FOR NOTICE
City of Chandler
P.O. Box 4008, Mail Stop 407
Chandler, AZ 85244-4008
480-782-3307

APPROVED AS TO FORM:

City Attorney
ATTEST:

City Clerk

FOR THE CONTRACTOR:
By: [Signature]
Title:
ADDRESS FOR NOTICE
Rosendin Electric
600 W. 26th Street
Tempe, AZ 85282
Phone 480.921.4022
FAX 480.921.4144

**EXHIBIT A
SCOPE OF WORK**

- Provide and install a new 80KVA 3PH UPS distribution system that will feed a 225 Amp 120/208 volt panel. This UPS system will have a remote status panel, a network interface card, and bypass switch that will allow for bypass of the entire system.
- Run a 1 1/2-inch conduit from the existing SES EPDH to the new UPS system.
- Pull THHN/THWN cables from the spare 200-amp switch to an existing SES EPDH through the 1 1/2-inch conduit to the new UPS system.
- Install 125-amp fuses in the 200-amp switch to protect the UPS system
- Install necessary receptacles in the existing 911 equipment room and under each of the 10 existing work stations in the radio dispatch center
- Test all new receptacles
- Label receptacles with circuit numbers
- Update panel schedule

Clarifications and Exclusions:

- Contractor reserves the right to amend the electrical subcontract by mutual agreement to both parties
- All work is assumed to be done on straight time
- Permits will be obtained by the City
- Patching of asphalt and concrete will be performed by the City
- Contractor is not responsible for removal of existing 911 system.
- Existing 911 system cannot go offline during work encompassed in this scope.
- No additional allowances outside this scope of work are provided by the City.
- Scope of work is based on engineering drawings provided by City from Pearson Engineering. No additional allowances outside of these drawings are provided by the City.
- With regards to specifications notes on engineering drawings:
 - o General Notes Section I: "D & J" are excluded
 - o General Notes Section II: "D(1) & (2)" are excluded
 - o General Notes Section III: "D & F" are excluded

**EXHIBIT B
P&E SCHEDULE**

Breakdown for accounting purposes only:

Item	Materials	Quantity	UM	Unit Price	Extended Price
1	Panel Epda & Associated Hardware	1	Ea		\$1,600.00
2	Duplex Receptacle N5-20r	20	Ea		\$86.40
3	Duplex Ig Receptacle N5-20r	6	Ea		\$46.08
4	Locking Receptacle 3Da 250a 2p 3w N18-30r	8	Ea		\$248.00
5	1g Plastic Single Receptacle Plate	8	Ea		\$4.72
6	1g Plastic Duplex Receptacle Plate	6	Ea		\$1.11
7	2g Plastic Duplex Receptacle Plate	10	Ea		\$3.70
8	4" Sq X 2-1/8" D Box Spl	24	Ea		\$18.24
9	4-11/16" Sq X 2-1/8" D Box 3/4" Ko	6	Ea		\$6.55
10	4" Sq One Gang 5/8" D Ring	14	Ea		\$4.34
11	4" Sq Two Gang 5/8" D Ring	10	Ea		\$3.90
12	4-11/16" Sq Blank Cover	5	Ea		\$1.80
13	24" (4) Box Mounting Bracket Rbs24	24	Ea		\$80.85
14	Multi-Functional Clip	6	Ea		\$1.19
15	80kva 3ph Ups	1	Ea		\$48,241.00
16	125a/500v-Frs Dual El Fuse	3	Ea		\$152.19
17	# 12 Wire Termination-Power	24	Ea		\$240.00
18	# 10 Wire Termination-Power	60	Ea		\$600.00
19	# 8 Wire Termination-Power	2	Ea		\$40.00
20	# 1 Wire Termination-Power	8	Ea		\$180.00
21	1/2" Emt Conduit	1,000.00	LF		\$240.00
22	1 1/2" Emt Conduit	335	LF		\$455.80
23	1 1/2" Emt 90 Deg Elbow	3	Ea		\$16.44
24	1/2" Emt Ins Stl Ss Connectors	62	Ea		\$9.30
25	1 1/2" Emt Ins Stl Ss Connectors	2	Ea		\$2.08
26	1/2" Emt Stl Ss Coupling	100	Ea		\$16.00
27	1 1/2" Emt Stl Ss Coupling	36.5	Ea		\$36.60
28	1/2" Emt 2-H Steel Strap	125	Ea		\$16.10
29	1 1/2" J-Hanger	41.68	Ea		\$124.05
30	1 5/8" Slotted Channel	40	LF		\$112.26
31	4h Splice Plate	2	Ea		\$6.72
32	1h Post Base	4	Ea		\$80.86
33	1/2" X 1-1/2" Hex Head Screw	20	Ea		\$11.83
34	1/2" Spring Nut	16	Ea		\$16.29
35	Thrd-Rod-1/2-13-10R-Pltd	125.63	Ea		\$107.04
36	1/2" Plated Rod Coupling	41.88	Ea		\$64.04
37	16ga 6" X 48" Steel Backing	2	Ea		\$30.00
38	1/2" Steel Hex Nut	87.75	Ea		\$12.24
39	1/2" Flat Steel Washer	57.88	Ea		\$4.83
40	1/2" Lock Washer	20	Ea		\$0.98
41	10x1" HEX HEAD SCREW	12	Ea		\$0.88
42	1/2" X 2 3/4" Wedge Anchor	53.86	Ea		\$48.37
43	#12 Thhn/Thwn Solid	2,395.00	LF		\$396.18
44	#10 Thhn/Thwn Solid	2,620.00	LF		\$586.24
45	#8 Thhn/Thwn Stranded	1,072.00	LF		\$563.56
46	#1 Thhn/Thwn Stranded	402	LF		\$785.25
47	Circuit Breaker Install in Existing Board	1	Ea		\$2,100.00
	Total Materials				\$57,870.13

No. Of Staff	Title/Position	Total Man Hours	Billable Rate	Total
4	Electricians	360		\$13,676.40
	Total Materials & Labor			\$71,346.13
	Owner Contingency	0.00%		\$0.00
	Contractor's Liability Insurance/Risk Insurance	1.00%		\$713.46
	Payment/Performance Bond	0.78%		\$556.60
	General Conditions	8.00%		<u>\$5,707.69</u>
	Subtotal			\$78,324.00
	Overhead And Profit	11.00%		<u>\$8,616.64</u>
	Total Construction Cost Before Tax			\$86,940.00
	Arizona State Privilege Tax	5.07%		\$4,407.86
	Total Project Cost			\$91,348.00

COST OF BONDS: (if required)

Provide 100% payment and
 Performance bonds. If requiredAdd 0.78%