



MAYOR & COUNCIL COMMUNICATION

DATE: August 18, 2015
CONSENT
ITEM #4
MOTION

AGENDA ITEM: Approve Purchase and installation of 2 new Warning Sirens

SUBMITTED BY: Greg Malmquist, Fire Chief

THROUGH: Greg Malmquist, Fire Chief

REVIEWED BY: Finance Director

SUGGESTED ORDER OF BUSINESS:

- Introduction of Item City Administrator
- Report/Presentation..... Fire Chief
- Questions from Council to Staff Mayor Facilitates
- Call for Motion Mayor & City Council
- Discussion Mayor & City Council
- Action on Motion..... Mayor Facilitates

POLICY RECCOMENDER: Fire Department

FISCAL IMPACT: The purchase and installation of two new warning sirens were budgeted for in the 2015 CIP. The amount in the budget was \$50,000. The actual quotes came in at \$46,049.

SUMMARY AND ACTION REQUESTED: Following a very lengthy and detailed siting process the fire department is seeking approval to move ahead with the purchase and installation of 2 new warning sirens. One will replace an outdated, non-compatible, undersized siren located in the Cimarron Park. The new siren will be relocated to the eastern edge of the park rather than the current location next to the park office. This move to higher ground will bring better coverage to the entire SE area of Lake Elmo. The second siren is a new installation located in the north central portion of the city near the entrance to the Tapestry neighborhood. This siren will provided much needed coverage for that area which presently has no coverage.

This project was reviewed and approved in the CIP portion of the 2015 budget.

LEGISLATIVE HISTORY: Based on the coverage of the current 6 sirens, preferred locations were identified for the additional sirens. Factors taken into account are: proximity of available power, topography (higher ground preferred), available land, impact on surrounding area, aesthetics. The process included meeting with property owners, park management and HOA representatives for their input.

BACKGROUND INFORMATION (SWOT):

Strengths	Provide additional and improved warning siren coverage to all residents of Lake Elmo.
Weaknesses	Adjustment to having siren nearby by residents nearby.
Opportunities	Move toward completion of siren coverage
Threats	Areas with no warning siren coverage. It is possible that there may be additional installation costs from the power company.

RECOMMENDATION: Based on the aforementioned, it is recommended that the budgeted new warning sirens be purchased for \$46,049 as follows:

- All required siren equipment as quoted from Federal Signal - \$27,930
- Installation costs per quote by Ready Watt Electric – Cimarron - \$8,502
- Installation costs per quote by Ready Watt Electric – Julep/Tapestry - \$7,651
- Removal of existing outdated siren in Cimarron - \$1,966
- Note: Additional costs for woodpecker protection will not be necessary

ATTACHMENTS:

- Federal Signal estimate #2915947 for siren equipment
- Ready Watt Electric estimate #15-524 for Cimarron Park warning siren install
- Ready Watt Electric estimate #15-532 for Julep Ave/Tapestry warning siren install
- Siren coverage map



QUOTATION
FEDERAL SIGNAL CORPORATION
Federal Warning Systems

Quotation No.: FWS **41415212**
Reference quote no. on your order

Name City of Lake Elmo
Co. Name Fire Chief Greg Malmquist
Address 3510 Laverne Avenue N
City, State, Zip Lake Elmo, MN 55042
Phone No. 651-770-5006
Fax No. GMalmquist@lakeelmo.org



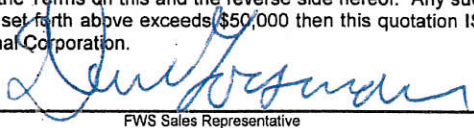
Date 4/14/2015
Reference _____

CUSTOMER COPY
SALESPERSON COPY
OFFICE COPY

Item No.	Qty.	Federal Model/Part No.	Description	Net Cost Each	Total Cost
1	2	2001-130	130 db Rotating Mechanical Siren		
2	2	DCFCTBDH	2-Way Digital DC Control/Battery Cabinet		
3			4 Chargers/Motorola CDM-750 Radio/		
4			Sensors/(2) 48VDC Contactors/NEMA		
5			Aluminum Cabinets		
6	2	OMNI	3 db Gain Omnidirectional Antenna		
7	2	AMB-P	Antenna Mounting Bracket - Pole		
8	1	MISC.	Shipping from Factory		
9	1	TOTAL	Equipment & Shipping		\$27,930.00
10					
11			<i>*Does not include installation on Class 2 Wood</i>		
12			<i>Pole with 4 Deep Cycle Batteries</i>		
13			<i>*Does not include Optimization of Commander</i>		
14			<i>Base at Woodbury PD</i>		
15					
16			OPTIONS		
17	2	2001TRBP	Transformer/Rectifier for AC/DC Operation	\$1,600.00	\$3,200.00
18	2	HTR4	4 Battery Warming Blankets Per Siren	\$310.00	\$620.00
19					
20	1	PVS220W-48	Photovoltaic Charging System - 220W Solar		\$3,225.00
21			Panels/Regulators to charge batteries.		
22			Aluminum Pole Mount Frame		

Prices are firm for 30 days from the date of quotation unless shown otherwise. Upon acceptance, prices are firm for _____ (days / months). This quotation is expressly subject to acceptance by Buyer of all Terms stated on the reverse side hereof, and any exception to or modification of such Terms shall not be binding on Seller unless expressly accepted in writing by an authorized agent or Officer of Seller. Any order submitted to Seller on the basis set forth above, in whole or in part, shall constitute an acceptance by Buyer of the Terms on this and the reverse side hereof. Any such order shall be subject to acceptance by Seller in its discretion. If the total price for the items set forth above exceeds \$50,000 then this quotation IS ONLY VALID if countersigned below by a Regional Manager of the Signal Division, Federal Signal Corporation.

F.O.B. University Park, IL
EST. DEL. WT. _____
DELIVERY 6 - 8 Weeks (ARO)
TERMS NET 30 DAYS Equipment
FREIGHT TERMS See Line Item Above

BY: 
FWS Sales Representative
ADDRESS: Federal Warning Systems, Inc.
1708 3rd Ave. SE
Rochester, MN 55904
BY: _____
Federal Signal / Countersigned
TITLE: _____

Purchase order **MUST** be made out to:
Federal Signal Corporation, Federal Warning Systems, 2645 Federal Signal Drive, University Park, IL 60424

Ready Watt ELECTRIC

21269 Jarvis Street NW
Nowthen, MN 55330
Phone 763-241-4944
Fax 763-241-5245

www.readywattelectric.com
rschiller@readywattelectric.com

Estimate

Date	Estimate #
7/28/2015	15-524

Name / Address	
City of Lake Elmo 3800 Laverne Avenue Lake Elmo, MN 55042 Attention: Chief Greg Malmquist	
	Project
	15-524 Siren Cinarron Park
Description	
<p>Install Cities 2001 DC Siren, controller, antenna on wood pole.</p> <p>Ready Watt Electric will supply and or install wood pole, batteries, electric material, electric permit, labor, bring power from water tower and test siren.</p> <p style="text-align: right;">TOTAL: \$8502.00</p> <p>To woodpecker proof siren pole add \$580.00</p> <p>To remove Siren at Club House and dispose of Add \$1966.00</p> <p>Price does not include Power Co charges, dirt restoration, snow removal or un-augarable soil conditions if any.</p> <p>If there are any additional questions please call me. Bob Schiller 612-282-4840 Over 40 years of Civil Defense Siren experience, installation, maintenance, and consulting.</p> <p>We look forward in doing business with you, Bob Schiller, Siren Coordinator 612-282-4840</p>	

ACCEPTANCE OF PROPSAL

(must be signed and returned for work to begin)

NOTE: This propasal may be withdrawn by Ready Watt Electric if not accepted with in 15 days.

The above prices, specifications and conditions are satisfactory and are herby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Ready Watt ELECTRIC

21269 Jarvis Street NW

Nowthen, MN 55330

Phone 763-241-4944

Fax 763-241-5245

www.readywattelectric.com

RSchiller@readywattelectric.com

Estimate

Date	Estimate #
7/28/2015	15-532

Name / Address	
City of Lake Elmo 3800 Laverne Avenue Lake Elmo, MN 55042 Attention: Tom Bouthilet	
Project	
15-532 Julep Ave N Siren Install	
Description	
<p>Install Cities FWS 2001 DC Siren on wood pole for over head power.</p> <p>Ready Watt Electric will supply and or install wood pole, batteries, labor, electric material, electric permit ect.</p> <p>To woodpecker proof pole add \$580.00</p> <p>Price does not include Power Company charges, snow removal, dirt restoration, un-augarable soil conditions if any.</p> <p>If there are any additional questions please call me. Bob Schiller 612-282-4840 Over 40 years of Civil Defense Siren experience, installation, maintenance, and consulting.</p>	
We look forward in doing business with you, Bob Schiller, Siren Coordinator 612-282-4840	Total \$7,651.00

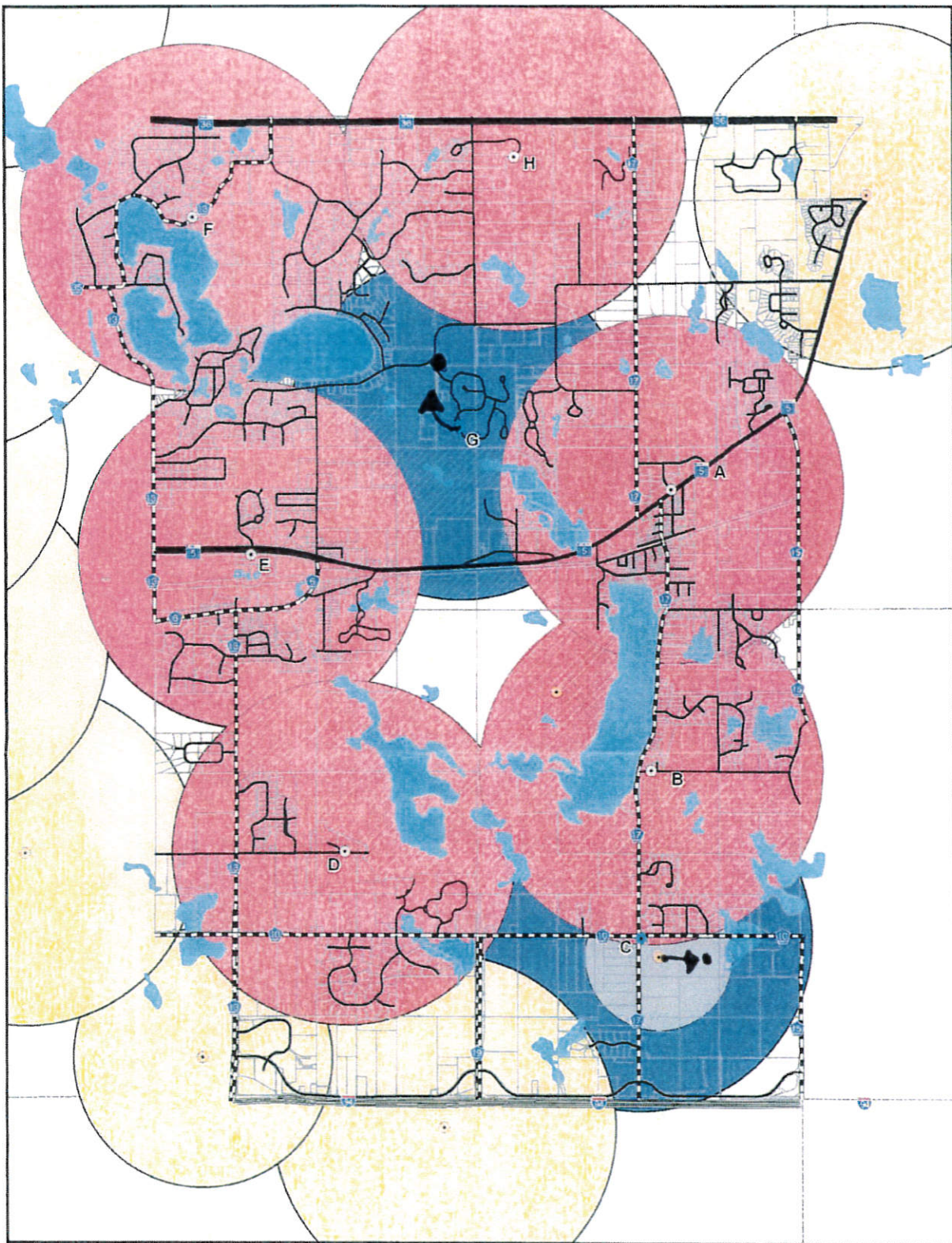
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Signature _____



Legend

AS-BUILT CD SIREN LOCATION

CD SIREN LOCATIONS

PROPOSED

EXISTING

LAKE ELMO PARKS

CD SIREN RANGE

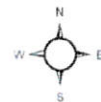
EXISTING IN LAKE ELMO

EXISTING IN OTHER CITIES

PROPOSED FOR LAKE ELMO

TO BE REMOVED

CIVIL DEFENSE SIREN PROJECT



JUNE 11, 2007

TKDA

ENGINEERS • ARCHITECTS • PLANNERS