

Bob Dixon  
Presiding Commissioner

Rusty MacLachlan  
1<sup>st</sup> District Commissioner

John C. Russell  
2<sup>nd</sup> District Commissioner



Shane Schoeller  
Clerk of the Commission

Christopher J. Coulter, AICP  
County Administrator

Megan Applegate  
Executive Assistant

## COUNTY COMMISSION

### Greene County, Missouri

(417) 868-4112

#### Greene County Commission Commission Briefing Minutes

Thursday, May 11, 2023  
10:00 AM  
Commission Conference Room  
1443 N. Robberson, 10<sup>th</sup> Floor

PLEASE CHECK & RETURN  
 PC  
 CCT  
 C.C.2

#### \*\*Meeting Information

Meeting link: <https://gcmo.webex.com/join/mapplegate> Access code: 2499 501 7983

#### More ways to join

Join by phone: +1-415-655-0001 Access code: 2499 501 7983

**Attendees:** Bob Dixon, Rusty MacLachlan, John Russell, Chris Coulter, Megan Applegate, Kevin Barnes, Julia Carter, Michael Summer, Larry Woods and Shelly Williamson

**Teleconference Attendees:** Bill Prince, Cindy Stein, Shane Schoeller, Jack McGee, Jeff Basham, Justin Hill, Mike Cagle, Royce Denny, Jeff Avers and Jim Arnott.

#### Informational Items

##### Resource Management-Kevin Barnes

- Power outage on campus update.
- Assessor's Office update.
- Update on Teton Drive

##### Sheriff-Jim Arnott

- 721 current inmate population
- Rescue dog update; 4<sup>th</sup> dog.
- Vehicle rotation.
- Illegal encampment update.

##### Juvenile-Bill Prince

- 14 youth currently in detention; 1 certified youth
- Diversion unit update.
- TNT program update.

**Items for Consideration and Action by the Commission**

**Discussion and Possible Vote: Approval of Sole Source Federal Signal Corporation (Fellow's Lake Siren Project), Purchasing**

Commissioner John Russell moved to approve the sole source contract with federal signal corporation as presented. Commissioner Rusty MacLachlan seconded the motion and it passed. Yes: Dixon, Rusty MacLachlan and Russell.

**Discussion and Possible Vote: Certification of Railroad & Utility (RRU) Miles of Line and Assessed Property Valuations, Clerk**

Commissioner Rusty MacLachlan moved to accept the certification of railroad and utility valuations as presented. Commissioner John Russell seconded the motion and it passed. Yes: Dixon, Rusty MacLachlan and Russell.

**Discussion and Possible Vote: Annual RHSOC Grant Request, OEM**

Commissioner Rusty MacLachlan moved to approve the RHSOC grant request for \$34,450.00. Commissioner John Russell seconded the motion and it passed. Yes: Dixon, Rusty MacLachlan and Russell.

Commissioner John Russell moved to approve the RHSOC grant request for \$26,920.58 Commissioner Rusty MacLachlan seconded the motion and it passed. Yes: Dixon, Rusty MacLachlan and Russell.

**Discussion and Possible Vote: Indemnity Agreement between Greene County and Henry's Towing, Resource Management**

Commissioner Rusty MacLachlan moved to approve the indemnity agreement between Greene County and Henry's Towing as presented Commissioner John Russell seconded the motion and it passed. Yes: Dixon, Rusty MacLachlan and Russell.

**Discussion and Possible Vote: Donation of Real Property, Highway Department**

Commissioner John Russell moved to approve the donation of real property as presented. Commissioner Rusty MacLachlan seconded the motion and it passed. Yes: Dixon, Rusty MacLachlan and Russell.

**Discussion and Possible Vote: Archives Fire Suppression Project (Zero Cost Change Order to Correct Construction Start Date and Duration), Resource Management**

Commissioner Rusty MacLachlan moved to approve the zero cost change order as presented. Commissioner John Russell seconded the motion and it passed. Yes: Dixon, Rusty MacLachlan and Russell.

**Other:**

With no other business the meeting was adjourned.

Bob Dixon  
Presiding Commissioner

Rusty MacLachlan  
1<sup>st</sup> District Commissioner

John C. Russell  
2<sup>nd</sup> District Commissioner



Shane Schoeller  
Clerk of the Commission

Christopher J. Coulter, AICP  
County Administrator

Megan Applegate  
Executive Assistant

**COUNTY COMMISSION**  
**Greene County, Missouri**  
**(417) 868-4112**

**Greene County Commission**  
**Commission Briefing Agenda**

**Thursday, May 11, 2023**

10:00 AM

Commission Conference Room  
1443 N. Robberson, 10<sup>th</sup> Floor

**\*\*Meeting Information**

Meeting link: <https://gcmo.webex.com/join/mapplegate> Access code: 2499 501 7983

**More ways to join**

Join by phone: +1-415-655-0001 Access code: 2499 501 7983

Informational Items

Resource Management

Sheriff

Juvenile

Items for Consideration and Action by the Commission

Discussion and Possible Vote: Approval of Sole Source Federal Signal Corporation (Fellow's Lake Siren Project), Purchasing

Discussion and Possible Vote: Certification of Railroad & Utility (RRU) Miles of Line and Assessed Property Valuations, Clerk

Discussion and Possible Vote: Annual RHSOC Grant Request, OEM

Discussion and Possible Vote: Indemnity Agreement between Greene County and Henry's Towing, Resource Management

Discussion and Possible Vote: Donation of Real Property, Highway Department

Discussion and Possible Vote: Archives Fire Suppression Project (Zero Cost Change Order to Correct Construction Start Date and Duration), Resource Management

Other:

Revised on 5/10/2023 @ 8:50 AM



Copy

OFFICE OF THE PURCHASING DIRECTOR  
1443 N. ROBBERSON AVE., SUITE 1000, SPRINGFIELD, MO 65802

BOB DIXON  
PRESIDING COMMISSIONER

RUSTY MACLACHLAN  
COMMISSIONER, 1<sup>st</sup> DISTRICT

JOHN C. RUSSELL  
COMMISSIONER, 2<sup>nd</sup> DISTRICT

May 11<sup>th</sup>, 2023

To: Greene County Commission  
RE: Single Feasible Source Purchase

Commissioners:

The Purchasing Department has determined the following item(s) are a single feasible source purchase and wish to enter the single feasible source purchase into the commission minutes.

*2001-130 Electro-Mechanical, rotating siren and Federal controller (FCTBDH) equipment,*

The Federal Signal Corp is a sole-source provider of the electro-mechanical rotating siren and federal controller that works with the Commander One Control and Messaging system for weather alerts that was purchased last year. Federal Signal is the sole provider of this functionality for control of Federal Signal sirens. The total cost of the equipment is \$40,498.00 and installation \$34,494.00. Total project cost is \$76,906.84, which is being funded by two grants; ARPA and Emergency Management grant.

Authorized Dealer: Federal Signal Corporation  
2645 Federal Signal Drive  
University Park, IL 60466

Please see the attached correspondence provided by The Federal Signal Corporation as well as the required legal advertisement of intent.

Regards,

Shelly Williamson  
Contract Specialist

By:

  
Presiding Commissioner

By:

  
Commissioner District 1

By:

  
Commissioner District 2



**FEDERAL SIGNAL CORPORATION**  
**Federal Warning Systems**

April 27, 2023

Springfield-Greene County OEM  
ATTN: Director Larry Woods  
330 W. Scott Street  
Springfield, MO 65802

Dear Director Woods,

This letter is to confirm that Blue Valley Public Safety, Inc. is the exclusive sales representative of products manufactured and sold by Federal Warning Systems, a division of Federal Signal Corporation for the states of Iowa, Nebraska, South Dakota, Kansas, and Missouri. This exclusivity extends to Blue Valley Public Safety, Inc. as the field service provider and regional installer for FWS as well.

Their contact point is:

Blue Valley Public Safety, Inc.  
P.O. Box 363 - 509 James Rollo Drive  
Grain Valley, MO 64029  
Attn: Brian Cates

You can reach Brian at 816-847-7502.

If I can answer additional questions or provide you with any information about Blue Valley or the Federal Warning System product line, please feel free to contact me directly at (630) 247-3835. In addition, you can find information about our products on our website at <http://www.alertnotification.com>.

Sincerely,  
Federal Signal Corporation

Teague Cliff  
Central Region Sales Manager

cc: Norma Cates, Blue Valley Public Safety, Inc.



**FEDERAL SIGNAL**  
**Safety and Security Systems**  
*Advancing security and well being.*

2645 Federal Signal Drive  
 University Park, Illinois 60484-0975  
 800.548.7229  
 www.fedsig.com

Contact Name: Larry Woods, Director  
 Customer: Springfield/Greene Co. Emergency Mgmt.  
 Address: 330 West Scott St.  
 City: Springfield  
 State: MO  
 Zip: 65802  
 Phone: 417-869-6040  
 Cell: 417-379-2096  
 Fax: \*  
 Email: lwoods@greencountymo.gov

<b>Quotation No.:</b> ANS 413231351
Please reference quote no. on your order
Date Quoted: 4/13/23

Notes: Upon receipt of your order and acceptance by Federal Signal Corporation, the equipment herein will be supplied at the quoted prices below. Delivery schedule cannot be established until radio information is supplied, if applicable.

Item No.	Qty.	Model/Part No.	Description	Unit Price	Total
<b>Electro-Mechanical Siren Equipment</b>					
1	2	2001-130	ELECTRO-MECHANICAL ROTATING SIREN, 130 DB(C) 800HZ	\$ 9,925.00	\$ 19,850.00
2	2	FCTBDH	FEDERAL CONTROLLER, 2-WAY, HIGH BAND, DIGITAL	\$ 5,825.00	\$ 11,650.00
3	2	SMV	UPGRADE TO ACFCTBDH	\$ 750.00	\$ 1,500.00
4	2	2001-AC	SIREN CONTROL, 2001AC	\$ 3,603.00	\$ 7,206.00
5	2	AMB-P	ANTENNA MOUNTING BRACKET, POLE	\$ 146.00	\$ 292.00
				<b>Total Equipment</b>	<b>\$ 40,498.00</b>

Shipping					
6	1	ES-FREIGHT - Z1	Shipping Fees		\$ 1,914.84

Services					
7	2	TK-I-2001AC-Z2	2001 / Equinox / 508 / Eclipse-8 AC Only Standard Installation 50' Class 2 Wood Pole	\$ 8,005.00	\$ 16,010.00
8	2	TK-S-CPSYSOP-CU	System Optimization of 1 Activation-Control Pt, CUSTOM Custom system configuration, setup, operability verification of 1 Activation-Control Point.	\$ 600.00	\$ 1,200.00
9	2	OMNI-4	ANTENNA, 152-156MHZ VHF	\$ 457.00	\$ 914.00
10	2	TK-PO-CDB1	Pole, Concrete, Direct Burial, Standard, 40' Mount Ht	\$ 6,300.00	\$ 12,600.00
11	2	TK-PO-CONCDBINS	Pole, Concrete, Direct Burial, Installation Installation add-on for Std. Direct Burial Concrete Pole; Required for concrete pole Installation in addition to the standard turnkey installation price	\$ 1,885.00	\$ 3,770.00
				<b>Total Services</b>	<b>\$ 34,494.00</b>

**Total of Project \$ 76,906.84**

Options					
12	2	BV-TRAFFIC	Traffic Control, if required	\$ 750.00	\$ 1,500.00
13	2	BV-Permit	Cost associated with electrical inspections / permits, if required. This does NOT include costs for getting the electrical service to the pole.	\$ 1,250.00	\$ 2,500.00
14	1	TK-IO-CRTPAY-CU	Prevailing Wage/Certified Payroll/Davis-Bacon Act Fee	\$ 1,350.00	\$ 1,350.00

Prices are firm for 90 days from the date of quotation unless shown otherwise. Upon acceptance, prices are firm for 6 months. This quotation is expressly subject to acceptance. Site Restoration is not included in this quote unless specifically called out above. As the site has typically not been determined at the time of quoting we cannot forecast what Adverse Site Conditions, including rock, caving soil conditions, contaminated soil, poor site access availability, and other circumstances which result in more than 2 hours to install. Power Clause: Bringing power to the siren equipment is the responsibility of the purchaser. Trenching is additional. Traffic Control Clause: Traffic control, if required, will be an additional \$250.00 per site. Permit Clause: Any special permits, licenses or fees will be additional. FCC Licensing Clause: The buyer is responsible for maintaining any FCC licensing requirements associated with the use of this equipment. Classified Location Clause: No equipment or services are designed or installed to meet the requirements of a classified location installation unless noted. Sales Tax: Sales Tax will be additional unless an Exemption Certificate is provided.

Proposed By: Dee W  
 Company: Blue Valley Public Safety Inc.  
 Address: P.O. Box 363 - 509 James Rollo Dr.  
 City, State, Zip: Grain Valley, MO 64029  
 Country: USA  
 Work Phone: 1-800-288-5120  
 Fax: 816-847-7513  
 Approved By: Brian Cates

Delivery: 12-16 weeks  
 Freight Terms: FOB University Park  
 Terms:  
 Equipment, Net 30 Days upon receipt  
 Services, Net 30 Days as completed,  
 billed monthly. Net 30 will not be held  
 for installations.

*Brian Cates*

Title: General Manager

Signature



2645 Federal Signal Drive  
University Park, Illinois 60484-0975  
800.548.7229  
www.fedsig.com

Contact Name: Larry Woods, Director  
Customer: Springfield/Greene Co. Emergency Mgmt.  
Address: 330 West Scott St.  
City: Springfield  
State: MO  
Zip 65802  
Phone: 417-869-6040  
Cell: 417-379-2096  
Fax: \*  
Email: lwoods@greencountymo.gov  
Notes: Delivery schedule cannot be established until radio information is supplied, if applicable.

Quotation No.: FWS  
413231351  
Please reference quote  
no. on your order  
Date Quoted: 4/13/23

I hereby agree to the Terms stated on this quotation and in the attached Terms document on behalf of the above mentioned Company or Government Entity.

Signature: \_\_\_\_\_  
Title: \_\_\_\_\_

\*\*\* Purchase Order MUST be made out to: \*\*\*  
Federal Signal Corporation, 2645 Federal Signal Drive, University Park, IL 60484  
Purchase Order MUST be e-mailed, mailed or faxed to:  
Blue Valley Public Safety, Inc., PO Box 363, Grain Valley, MO 64029 Fax: 816-847-7513  
[dee@bvpsonline.com](mailto:dee@bvpsonline.com)

Quotation No.: FWS  
413231351

Sales Agreement

- (1) **Agreement.** This agreement (the "Agreement") between Federal Signal Corporation ("FSC") and Buyer for the sale of the products and services described in FSC's quotation and any subsequent purchase order shall consist of the terms herein. This Agreement constitutes the entire agreement between FSC and Buyer regarding such sale and supersedes all prior oral or written representations and agreements. This Agreement may only be modified by a written amendment signed by authorized representatives of FSC and Buyer and attached hereto except that stenographic and clerical errors are subject to correction by FSC or upon FSC's written consent. FSC objects to and shall not be bound by any additional or different terms, whether printed or otherwise, in Buyer's purchase order or in any other communication from Buyer to FSC unless specifically agreed to by FSC in writing. Prior courses of dealing between the parties or trade usage, to the extent they add to, detract from, supplant or explain this Agreement, shall not be binding on FSC. This Agreement shall be for the benefit of FSC and Buyer only and not for the benefit of any other person.
- (2) **Termination.** This Agreement may be terminated only upon FSC's written consent. If FSC shall declare or consent to a termination of the Agreement, in whole or in part, Buyer, in the absence of a contrary written agreement signed by FSC, shall pay termination charges based upon expenses and costs incurred in the assembly of its products or in the performance of the services to the date such termination is accepted by FSC including, but not limited to, expenses of disposing of materials on hand or on order from suppliers and the losses resulting from such disposition, plus a reasonable profit. In addition, any products substantially completed or services performed on or prior to any termination of this Agreement shall be accepted and paid for in full by Buyer. In the event of a material breach of this Agreement by Buyer, the insolvency of Buyer, or the initiation of any solvency or bankruptcy proceedings by or against Buyer, FSC shall have the right to immediately terminate this Agreement, and Buyer shall be liable for termination charges as set forth herein.
- (3) **Price/Shipping/Payment.** Prices are F.O.B. FSC's Factory. Buyer shall be responsible for all shipping charges. If this Agreement is for more than one unit of product, the products may be shipped in a single lot or in several lots at the discretion of FSC, and Buyer shall pay for each such shipment separately. FSC may require full or partial payment or payment guarantee in advance of shipment whenever, in its opinion, the financial condition of Buyer so warrants. FSC will invoice for product upon shipment to Buyer and for services monthly as completed. Amounts Invoiced by FSC are due 30 days from date of invoice, except that payment terms for turn-key sales of product and services are 10% of total contract mobilization fee due with Buyer's order. Invoice deductions will not be honored unless covered by a credit memorandum. Minimum billing per order is \$75.00.
- (4) **Risk of Loss.** The risk of loss of the products or any part thereof shall pass to the Buyer upon delivery thereof by FSC to the carrier. Buyer shall have sole responsibility for processing and collection of any claim of loss against the carrier.
- (5) **Taxes.** Price quotes by FSC do not include taxes. Buyer shall pay FSC, in addition to the price of the products or services, any applicable tax (however designated) imposed upon the sale, production, delivery or use of the products or services to the extent required or not forbidden by law to be collected by FSC from Buyer, whether or not so collected at the time of the sale, unless valid exemption certificates acceptable to the taxing authorities are furnished to FSC before the date of invoice.
- (6) **Delivery.** Although FSC shall in good faith endeavor to meet estimated delivery dates, delivery dates are not guaranteed but are estimated on the basis of immediate receipt by FSC of all information required from Buyer and the absence of delays, direct or indirect, as set forth in paragraph 29 herein.
- (7) **Returns.** Buyer may return shipped product to FSC only upon FSC's prior written consent (such consent to be in the sole discretion of FSC) and upon terms specified by FSC, including prevailing restocking and handling charges. Buyer assumes all risk of loss for such returned product until actual receipt thereof by FSC. Agents of FSC are not authorized to accept returned product or to grant allowances or adjustments with respect to Buyer's account.
- (8) **Inspection.** Buyer shall inspect the product immediately upon receipt. All claims for any alleged defect in FSC's product or deficiency in the performance of its services under this Agreement, capable of discovery upon reasonable inspection, must be fully set forth in writing and received by FSC within 30 days of Buyer's receipt of the product or FSC's performance of the services. Failure to make any such claim within said 30 day period shall constitute a waiver of such claim and an irrevocable acceptance of the product and services by Buyer.
- (9) **Limited Warranty.** FSC warrants each new product to be free from defects in material and workmanship, under normal use and service, for a period of two years from delivery to Buyer (one-year for formers and all software products, five years on 2001 & ECLIPSE Series siren head). During this warranty period, FSC will provide warranty service for any unit which is delivered, shipping prepaid by the Buyer, to a designated warranty service center for examination and such examination reveals a defect in material and/or workmanship. FSC will then, at its option, repair or replace the product or any defective part(s), or remit the purchase price of the product to Buyer. This warranty does not cover travel expenses, the cost of specialized equipment for gaining access to the product, or labor charges for removal and re-installation of the product for warranty service at any location other than FSC's designated warranty service center. This warranty shall not apply to components or accessories that have a separate warranty by the original manufacturer, such as, but not limited to, radios and batteries, and does not extend to any unit which has been subjected to abuse, misuse, improper installation or which has been inadequately maintained, nor to units with problems due to service or modification by other than an FSC warranty service center. FSC will provide on-site warranty service during the first 60 days after the completion of the installation when FSC has provided a turn-key installation including optimization and/or commissioning services. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
- (10) **Remedies and Limitations of Liability.** Buyer's sole remedy for breach of warranty shall be as set forth above. IN NO EVENT SHALL FSC BE LIABLE FOR ANY LOSS OF USE OF ANY PRODUCT, LOST PROFITS OR ANY INDIRECT, CONSEQUENTIAL OR PUNITIVE DAMAGES, NOR SHALL FSC'S LIABILITY FOR ANY OTHER DAMAGES WHATSOEVER ARISING OUT OF OR CONNECTED WITH THIS AGREEMENT OR THE MANUFACTURE, SALE, DELIVERY OR USE OF THE PRODUCTS OR SERVICES EXCEED THE PURCHASE PRICE OF THE PRODUCTS OR SERVICES.
- (11) **PATENTS.** FSC shall hold Buyer harmless, to the extent herein provided, against any valid claim by any third person of infringement of any United States Patent by product manufactured by FSC, but if Buyer furnished product or system design specifications to FSC, Buyer shall hold FSC harmless against any infringement claim consisting of the use of product manufactured by FSC in accordance with Buyer's product or system design or in combination with product manufactured by Buyer or others. In the event that any product manufactured by FSC is held to infringe any patent and its use is enjoined by any competent court of law, FSC, if unable within a reasonable time to secure for Buyer the right to continue using such product, either by suspension of the injunction, by securing for Buyer a license, or otherwise, shall, at its own expense, either replace such product with non-infringing product or modify such product so that it becomes non-infringing, or accept the return of the enjoined product and refund the purchase price paid by Buyer less allowance for any period of actual use thereof. FSC makes no warranty that its product will be delivered free of a valid claim by a third person of infringement or the like and Buyer's remedies for such a claim will be limited to those provided in this paragraph.



- (12) **Assignment and Delegation.** Buyer shall not assign any right or interest in this Agreement, nor delegate the performance of any obligation, without FSC's prior written consent. Any attempted assignment or delegation shall be void and ineffective for all purposes unless made in conformity with this paragraph.
- (13) **Severability.** If any term, clause or provision contained in this Agreement is declared or held invalid by a court of competent jurisdiction, such declaration or holding shall not affect the validity of any other term, clause or provision herein contained.
- (14) **Installation.** Installation shall be by Buyer unless otherwise specifically agreed to in writing by FSC.
- (15) **Governing Law and Limitations.** This Agreement shall be governed by the laws of the State of Illinois. Venue for any proceeding initiated as the result of any dispute between the parties that arises under this Agreement shall be either the state or federal courts in Cook or DuPage County, Illinois. Whenever a term defined by the Uniform Commercial Code as adopted in Illinois is used in this Agreement, the definition contained in said Uniform Commercial Code is to control. Any action for breach of this Agreement or any covenant or warranty contained herein must be commenced within one year after the cause of action has accrued.
- (16) **Receiving Product and Staging Location.** Buyer is responsible to receive, store and protect all products intended for installation purposes, including, but not exclusively, siren equipment, poles, batteries, and installation materials. Materials received in cardboard containers must be protected from all forms of precipitation. Additionally, Buyer is to provide a staging area of an appropriate size for installation contractors to work from and to store equipment overnight.
- (17) **Installation Methods & Materials.** Installation is based on methods and specifications designed and intended by FSC to meet or exceed all national, state & local safety and installation codes and regulations. Design changes required by Buyer may result in additional charges.
- (18) **Radio Frequency Interference.** FSC is not responsible for RF transmission and reception affected by system interference beyond its control.
- (19) **Installation Site Approval.** Buyer must provide signed documentation to FSC, such as the "WARNING SITE SURVEY FORM" or a document with the equivalent information, that FSC is authorized to commence installation at the site designated by Buyer before FSC will commence installation. Once installation has started at an approved site, Buyer is responsible for all additional costs incurred by FSC for redeployment of resources if the work is stopped by Buyer or its agents, property owners, or as the result of any governmental authority or court order, or if it is determined that installation is not possible at the intended location, or the site is changed for any reason by the Buyer.
- (20) **AC Power Hookup.** Buyer is responsible to coordinate and pay for all costs to bring proper AC power to the electrical service disconnect installed adjacent to the controller cabinet, unless these services are quoted by FSC. All indoor installations assume AC power is available within 10 feet of the installation location.
- (21) **Permits & Easements.** FSC will obtain and pay for electrical and right-of-way work permits as necessary for installations. Buyer is responsible for obtaining and payment of all other required easements, permits, or other fees required for installation, unless specifically quoted.
- (22) **Soil Conditions Clause.** In the event of poor site conditions including, but not limited to rock, cave-ins, high water levels, or inability of soil to provide stable installation to meet specifications, FSC will direct installation contractors to attempt pole installation for a maximum of 2 hours. Buyer approval will be sought when pole installation exceeds 2 hours and abandoned if FSC cannot obtain approval in a timely manner.
- (23) **Contaminated Sites.** FSC is not responsible for cleanup and restoration of any installation sites or installer equipment where contaminated soil is encountered. FSC will not knowingly approve installation at any site containing contaminants. Buyer must inform FSC when known or suspected soil contaminants exist at any intended installation site.
- (24) **Site Cleanup.** Basic installation site cleanup includes installation debris removal, general site cleanup, and general leveling of affected soil within 30' of the pole. Additional Site Restoration quotes are available.
- (25) **Waste Disposal.** Buyer is responsible for providing disposal of all packing materials including shipping skids and containers.
- (26) **Work Hours.** All installation quotes are based on the ability to work outdoors during daylight hours and indoors from 7 AM to 7 PM Monday through Saturday. Work restrictions or limitations imposed by Buyer or its agents may result in additional charges being assessed to Buyer for services.
- (27) **Project Reporting.** Installation & Service Progress Reports will be provided on a regular basis, normally every week during active installation, unless prearranged otherwise by mutual agreement.
- (28) **Safety Requirements & Compliance.** FSC requires that all subcontractors and their employees follow applicable laws and regulations pertaining to all work performed, equipment utilized and personal protective gear common to electrical and construction site work performed in the installation of FSC equipment. Additional safety compliance requirements by Buyer may result in additional charges assessed to Buyer for the time and expenses required to comply with the additional requirements.
- (29) **Project Delays.** FSC shall not be liable in any regard for delivery or installation delays or any failure to perform its obligations under this Agreement resulting directly or indirectly from change order processing, acts or failure to act by Buyer, unresponsive inspectors, utility companies and any other causes beyond the direct control of FSC, including acts of God, weather, local disasters of any type, civil or military authority, fires, war, riot, delays in transportation, lack of or inability to obtain raw materials, components, labor, fuel or supplies, or other circumstances beyond FSC's reasonable control, whether similar or dissimilar to the foregoing.



- Model 2001-130 and Equinox

## High Power, Directional Rotating Siren

The Federal Signal 2001-130 and Equinox siren is a high power, rotating, unidirectional outdoor warning siren. The high-decibel output provides maximum coverage with minimum installation cost. Radio/cellular/satellite or wireless IP activation can further minimize installation costs by eliminating the need for leased dedicated control lines.

The siren's projector produces a 60-degree projection of sound which rotates at 3 RPM and can produce three distinct warning signals: steady, wail and fast wail. The siren will supply a minimum of 15 minutes of full power output from its batteries after AC power loss. The siren controls are available with battery operation, solar, AC operation, and AC operation with battery back-up, one-way and two-way radio control, wired or wireless Ethernet, satellite/cellular or landline. The 2001 Series is offered in low frequency (500 Hz) or mid-range frequency (790 Hz).

Ideal applications for this warning siren include hazardous weather conditions, fires, floods, chemical spills and other types of community or facility emergencies.

### FEATURES

- High-powered rotating siren for maximum coverage
- Available in low and mid-range frequency
- Three distinct warning signals
- AC or Solar powered with battery operation or back-up
- Weather-resistant coating

## High Power, Directional Rotating Siren (2001-130/Equinox)

### SPECIFICATIONS

**Power:<sup>1</sup>**

Sirens can be powered from 120VAC, 240VAC, with battery back-up or battery operation. Solar powering can also be provided

<b>Signal Information:</b>	<b>2001-130</b>	<b>Equinox</b>
Signal /Sweep Rate	Frequency Range	500 Hz
Steady /Continuous	790 Hz	
Wail /10 sec.	470-790 Hz	180-500 Hz
Fast Wail /3.5 sec.	600-790 Hz	300-500 Hz
<b>Coverage:<sup>2</sup></b>	<b>2001-130</b>	<b>Equinox</b>
70dB	Up to 6,500'	Up to 6,100'
60dB	Up to 13,200'	Up to 12,200'

**Pole Mounts:**

Wood, steel, composite or concrete poles can be provided. Contact Federal Signal for details

**Communications:**

Federal Signal can supply one-way and two-way communications. Radio, IP, Landline, Satellite and Cellular can be combined to provide a robust alerting solution

Operating Temperature:<sup>3</sup> -22°F to 140°F -30°C to 60°C

Dimensions H x W x D: 62" x 37" x 41"  
(157 cm x 94 cm x 104 cm)

Net Weight:	420 lbs	190 kg
Shipping Weight:	460 lbs	205 kg
Equinox Net Weight	390 pounds	159 kg
Equinox Shipping Weight	460 pounds	205 kg

### HOW TO ORDER

Contact our Federal Signal Sales Engineers to design a system that meets your specific requirements.

**Description**

**Part Number**

**Siren Ordering Information:**

Rotating electro-mechanical siren 130 dBc +/- 1dBc @ 100' (30.5m) 48VDC, pole mount included

**2001-130**

Rotating electro-mechanical siren, low frequency, 125 dBc +/- 1dBc @ 100' (30.5m) 48VDC, pole mount included

**Equinox**

**Siren Control Ordering Information:**

One-way FC Controller, 120VAC operation

**FC/H/U**

Two-way FC Controller, 120VAC operation

**FCTBD/H/U**

One-way FC Controller, 120VAC to battery operation

**DCFCB/H/U<sup>4</sup>**

Two-way FC Controller, 120VAC to battery operation

**DCFCTBD/H/U<sup>4</sup>**

**Command and Control for Multiple Siren Installation:**

Console for siren activation (R for rack mount)

**SS2000+/R**

Commander software for PC based siren activation, monitoring and control

**SFCD<sup>5</sup>**

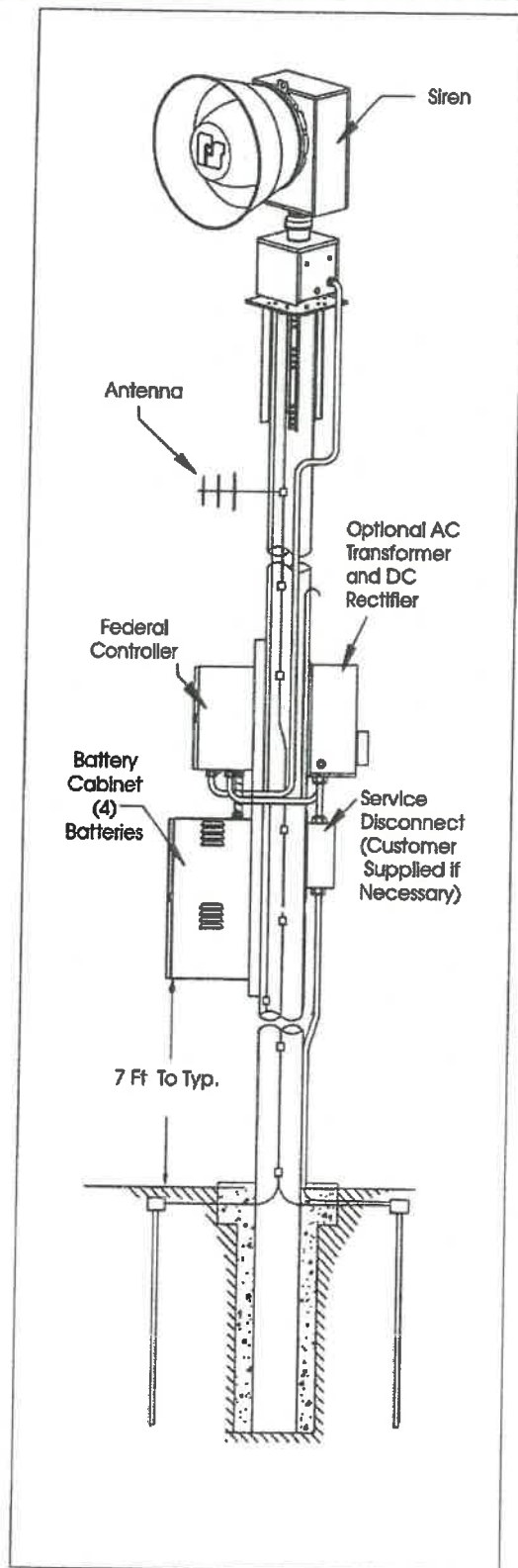
<sup>1</sup> Contact Federal Signal for powering options

<sup>2</sup> Actual coverage is dependent on many factors, contact Federal Signal for sound analysis of your specific location

<sup>3</sup> The siren can operate throughout this temperature range provided that battery temperature is maintained at 18°C or higher

<sup>4</sup> Batteries not included

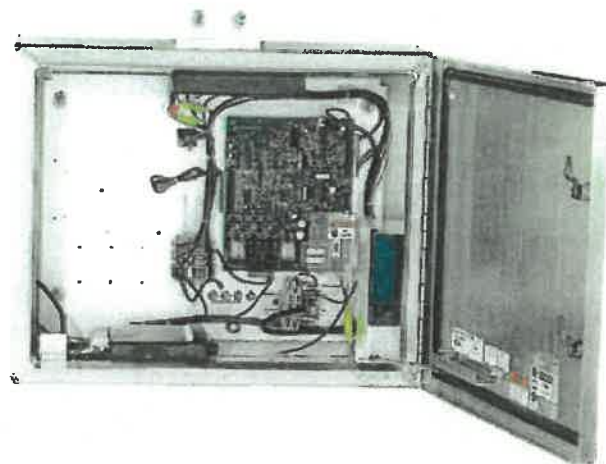
<sup>5</sup> See product page for additional information



# Federal Controller Two-Way

## Features

- **Two-way control and status monitoring**
- **Six remote sensor inputs**
- **Interface with PA systems, voice capable fire alarm systems and telephone alerting systems**
- **Programmable codes and timing**
- **Push buttons for local activation**
- **Built-in tone generator for local tones or public address features**
- **Internal battery back-up**
- **UL listed**



The Federal Controller two-way digital (model FCTBD) will control and monitor any electro-mechanical siren, and may be used in conjunction with the SS2000+ Controller located at a central command point. The FCTBD will automatically report change in status of the unit's components back to the SS2000+ Controller. The system may also be polled via the SS2000+ at any time for current status conditions. The FCTBD offers the ability to monitor six remote sensor inputs, such as: AC power, low and up to three additional sensors to monitor siren operation. The FCTBD is packaged in a NEMA 4 weatherproof cabinet and comes equipped with power supply, gel battery, processor unit, radio transceiver and AC power surge protection.

The FCTBD is field programmable through an RS232 port. This enables the user to change activation code formats and signal timing. Programming is accomplished by using the FSPWARE that can be purchased separately. The FCTBD is programmable over the air, and includes a "digipeat" system feature that automatically seeks and recalls the best means of transmitting data to the central control by using the siren sites as radio repeaters. This feature can greatly reduce the costs of RF infrastructure required for the system.

The FCTBD is an ideal choice for upgrading or retrofitting one-way controls to two-way status monitoring for use with existing electro-mechanical sirens like the Federal Signal 2001-130 siren, 508, Eclipse® and the Model 2 sirens.

 **FEDERAL SIGNAL**  
Safety and Security Systems  
*Protecting people and our planet*

DATA SHEET

# Federal Controller Two-Way Specifications

## Electrical Specifications

AC Supply Voltage	120 VAC @ 3.0 Amps
Current Draw	240VAC @ 1.5 Amps +/- 10%, 50/60 Hz, maximum standby current
Power Supply	10A @ 13.3 VDC, 2A @ 13.3 VDC
Battery Backup	12VDC - std, ext, Gel and AGM batteries available
Current Draw	<600 mA in standby

## Serial Ports

Serial Port Protocol	RS232C 1200, N, 8, 1
----------------------	----------------------

## Transceivers Specifications

Programmable frequency: power out and private line options. For further details consult the Vertex Standard product manual.

## Signaling Formats

AFSK	1200 baud, MSK (Minimum Key Shift) modem type Usable decode sensitivity: 10db(C) SINAD (Min.)
DTMF	3-12 standard DTMF characters

## Relay Outputs

4 relay outputs	SPST
Contract Rating	(4 relays standard) 3A @ 30VDC 7A @ 250VAC

## Audio Output

Output Voltage	>2V Peak to Peak
Maximum Load	8 Ohm
Total Harmonic Distortion	<10% @ 1kHz sinewave

## Environmental

Operating Temperature	-30°C to 65°C
Humidity	0-98% non-condensing

## Controller Dimensions

HxWxD	62.5" x 23.5" x 16.94" (1588mm x 597mm x 430mm) NEMA 4X rated
-------	---

## Battery Cabinet Dimensions

HxWxD	20" x 20" x 12" (50.8cm X 50.8cm X 30.48cm) Vented NEMA 4X rated
-------	--

## Shipping Weight

155 lbs. (70.3 kg) (approx.)

## Select Model

FCTBD <sup>1,2</sup>	Two-way Federal Controller
FCTBDH <sup>1,2</sup>	Two-way Federal Controller, high band 148-174 MHz
FCTBDU <sup>1,2</sup>	Two-way Federal Controller, UHF band 403-470 MHz
FCTBD-IP <sup>1,3</sup>	IP-enabled, two-way electromechanical controller
FCTB-LL	Two-way Federal Controller, Landline

<sup>1</sup>For use with 2001-130, 508 and Eclipse<sup>®</sup>

<sup>2</sup>Antenna and cable are not included with radio activation control and must be ordered separately.

<sup>3</sup>Broadband radio and SmartMsg software sold separately.

## Options

FSPWARE	Federal programming software (non-digital applications)
SFCDDWARE	Federal Commander digital software (see literature for details)
FS-PL1	Private line tone and digital coded squelch encoder and decoder
FS-PL2	Encoder and decoder (low)
SS2000+	Hardware Controller
TB-LL	Telco Base, Landline
ES-PROG-DTMF	Two-way DTMF Programming

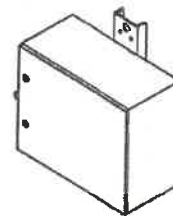
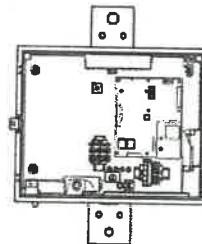
*Sensor kits for Federal Controllers with two-way status monitoring*

*Select the sensor that matches your siren motor type and number*

SK-SM	Single motor AC current sensor
SK-3M	Three motor AC current sensor

*Select the sensor that matches your voltage and phase*

SK1-120	Single phase, 120VAC voltage sensor
SK1-240	Single phase, 240VAC voltage sensor
SK3-240	3-phase, 240VAC voltage sensor
SK3-480	3-phase, 480VAC voltage sensor



**FEDERAL SIGNAL**  
Safety and Security Systems  
*Protecting people and our planet*



2645 Federal Signal Drive, University Park, IL 60484 708.534.4756 Fax: 708.534.4874 www.alertnotification.net

®Windows is a registered trademark of Microsoft Corporation in the United States and other countries.  
®Vertex is a trademark of Vertex Standard LMR, Inc.

©2015 Federal Signal Corporation.

11