Bob Dixon
Presiding Commissioner

Rusty MacLachlan
1st District Commissioner

John C. Russell
2nd 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

PLEASE CHECK & RETURN
☒ PC
☒ CC1
☒ CC2

Friday, September 9, 2022
9:00 AM
Commission Conference Room
1443 N. Robberson, 10th Floor

The Greene County Commission is now offering an alternative to attending the meeting. Please join our meeting from your computer, tablet or smartphone. https://www.gotomeet.me/GCCommissionOffice. You can also dial in using your phone. United States: +1 (872) 240-3412. You will be prompted for a PIN number where you will hit the "#" key and be prompted for an access code: 675-853-269

PLEASE BE AWARE: Cox Health has adopted a universal masking policy for all their properties. Masks are to be worn entering and exiting their facilities and medical office buildings as well as when in any interior common areas such as a lobby, hallway, shared bathroom, elevator, and stairwell.

WARNING Under Missouri law, any individual entering the premises or engaging the services of Greene County waives all civil liability against the individual or Greene County for any damages based on inherent risks associated with an exposure or potential exposure to COVID-19, except for recklessness or willful misconduct.

Attendees: Bob Dixon, Rusty MacLachlan, John Russell, Larry Woods, Jenny Hayward.

Teleconference Attendees: Jeff Scott, Tina Phillips and Mike Cagle.

Items for Consideration and Action by the Commission

Discussion and Possible Vote: Cyber Application, OEM
Commissioner Rusty MacLachlan moved to approve the cyber grant application as presented. Commissioner John Russell seconded the motion and it passed. Yes: Dixon, MacLachlan and Russell.

Discussion and Possible Vote: CERT Grant Application, OEM
Commissioner John Russell moved to approve the CERT grant application as presented. Commissioner Rusty MacLachlan seconded the motion and it passed. Yes: Dixon, MacLachlan and Russell.

Discussion and Possible Vote: Siren Notice of Interest Application, OEM
Commissioner Rusty MacLachlan moved to approve the siren notice of interest application as presented. Commissioner John Russell seconded the motion and it passed. Yes: Dixon, MacLachlan and Russell.

Discussion and Possible Vote: ARPA Small Business Check Approval
Commissioner Rusty MacLachlan moved to approve Albers Real Estate Grp LLC and Campaignium LLC. Commissioner Bob Dixon seconded the motion and it passed. Yes: Dixon and MacLachlan. Abstain: Russell.

Commissioner John Russell moved to approve the rest of the ARPA small business check as presented. Commissioner Rusty MacLachlan seconded the motion and it passed. Yes: Dixon, MacLachlan and Russell.

Other:

With no other business the meeting was adjourned.

Bob Dixon
Presiding Commissioner

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1st District Commissioner

John C. Russell
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COUNTY COMMISSION

Greene County, Missouri

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Greene County Commission
Commission Briefing Agenda

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Informational Items

Items for Consideration and Action by the Commission
Discussion and Possible Vote: Cyber Application, OEM

Discussion and Possible Vote: CERT Grant Application, OEM

Discussion and Possible Vote: Siren Notice of Interest Application, OEM

Discussion and Possible Vote: ARPA Small Business Check Approval

Other:

ex1

Missouri Department of
Public Safety

Application

144391 - FY 2022 SHSP Enhancing Cybersecurity Local Preparedness (ECSLP) - Final Application

144853 - Cybersecurity
State Homeland Security Program (SHSP)

Status:	Editing	**Submitted Date:**	**Submitted By:**

Applicant Information

Primary Contact:

Name:*	Ms (Title)	Robbin (First Name)	Sawyer (Last Name)
Job Title:*	Administrative Services Manager		
Email:*	rsawyer@greenecountymo.gov		
Mailing Address:*	330 W Scott Street		
Street Address 1:			
Street Address 2:			
*	Springfield (City)	Missouri (State/Province)	65802 (Postal Code/Zip)
Phone:*	417-869-6040		Ext.
Fax:	417-869-6654		

Organization Information

Applicant Agency:*	Greene County Emergency Management Agency	
Organization Type:*	Government	
Federal Tax ID#:*	446000506	
DUNS #:	095831228	
Unique Entity ID:*	DS69LE21H4L5	
SAM/CCR CAGE Code:	3QMR3	11/23/2011 (Valid Until Date)
Organization Website:	greenecountymo.gov/oem	
Mailing Address:*	330 W Scott Street	
Street Address 1:		

Street Address 2:

City*	Springfield City	Missouri State/Province	65802 Postal Code/Zip	3859 + 4

County:* Greene

Congressional District:* 07

Phone:* 417-869-6040 Ext.

Fax: 417-869-6654

Contact Information

Authorized Official

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Authorized Official:*	Mr Title (Mr.Ms.etc)	Bob First Name	Dixon Last Name

Job Title:* Presiding Commissioner

Agency:* Greene County Commission

Mailing Address:* 1443 N Robberson Avenue, 10th Floor

Street Address 1:

Street Address 2:

*	Springfield City	Missouri State	65802 Zip Code

Email:* bdixon@greenecountymo.gov

Phone:* 417-868-4112 Office Ext. Cell

Fax: 417-868-4818

Applicant Project Director

Applicant Project Director:*	Mr Title (Mr.Ms.etc)	Larry First Name	Woods Last Name

Job Title:* Director

Agency:* Greene County Emergency Management Agency

Mailing Address:* 330 W Scott Street

Street Address 1:

Street Address 2:

*

Springfield	Missouri	65802
City	State	Zip Code

Email:* lwoods@greenecountymo.gov

Phone:* 417-869-6040

Office Ext. Cell

Fax

Fiscal Officer

Fiscal Officer:*

Mr	Justin	Hill
Title (Mr.Ms.etc)	First Name	Last Name

Job Title:* Treasurer

Agency:* Greene County Government

Mailing Address:* 940 N Boonville Avenue, Room 112

Street Address 1:

Street Address 2:

*

Springfield	Missouri	65802
City	State	Zip Code

Email:* jrhill@greenecountymo.gov

Phone:* 417-868-4051

Office Ext. Cell

Fax

Project Contact Person

Project Contact Person:

Mr	Brandon	Backlin
Title (Mr.Ms.etc)	First Name	Last Name

Job Title: Network Administrator

Agency: Greene County Emergency Management Agency

Mailing Address: 330 W Scott Street

Street Address 1:

Street Address 2:

Springfield	Missouri	65802
City	State	Zip Code

Email: bbacklin@greenecountymo.gov

Phone: 417-869-6040

Office Ext. Cell

Fax:

Section A.1 through B.2

A. Project Worksheet

A.1 Project Title:*	Crestron Equipment Upgrade (continuing)
A.2 Agency Name:*	Greene County Emergency Management Agency
A.3 Region:*	D
A.4 County:*	Greene
A.5 Project Location Zip Code:*	65802
A.6 Project Activity Type:*	Establish/enhance cyber security program
A.7 Was this project previously funded with State Homeland Security Program (SHSP) funds?*	No
A.8 Does this project increase capabilities (build/enhance), or does this project sustain capabilities at the current level?*	Build/Enhance
A.8.a If you answered Build/Enhance to question A.8 provide an answer to the following question. Has your agency coordinated with other agencies to determine if the resources requested are currently available within the region/state?	No Coordination example: contacted other agencies within your region to see if this capability/asset currently exists and is available.
A.9 Project Description*	The replacement of these two panels will complete the updating of our control system from an insecure operating system to a secure system.
A.10 Provide a summary of specific project actions/items that will be purchased with grant funds:*	The following is a summary of specific items that will be purchased with grant funds: control system for audio/video: 10.1" tabletop touch screen, and shipping for all components.
A.11 Provide estimated duration of the project (how long will it take to complete this project):*	The estimated duration of the project is one to three months (depending on product availability), with no loss of facility functionality.
A.12 What are the objectives this project is designed to accomplish? (the purpose of the project)*	The objective is to secure the Greene County network through updating security weak points which exist in our facility which houses the community emergency operations center (EOC), County data center, and community 911 center.
A.13 How does this project align with/increase terrorism preparedness for your agency/region/state?*	This will assist in preventing cyber intrusion and possible cyber ransomware situations.

A.14 Does your agency have cybersecurity and/or data security policies?*	Yes
A.14.a Please describe your agency's policies.	Agency uses acceptable use policies for computer equipment, internet access, and email. All policies are defined and outlined in the personnel handbook.
A.15 Does your agency have a cybersecurity training awareness program?*	Yes
A.15.a Please describe your agency's training awareness program.	We currently provide users with cybersecurity awareness to our users via email, newsletter, and in-person training.
A.16 Does your agency have a cybersecurity incident response plan? *	No
A.17 Does your agency receive cybersecurity threat intelligence?*	Yes
A.17.a Please describe the sources of threat intelligence (i.e., federal, state, local, private sector/vendor)	We source our threat intelligence from State and Federal (MIAC and CISA) partners and vendors.
A.18 Does your agency participate in information sharing with federal, state, and local agencies? (i.e., Missouri Office of Homeland Security (OHS), Missouri Information Analysis Center (MIAC), St. Louis Fusion Center, Kansas City Regional Fusion Center).	Yes
A.19 How does this project close gaps and strengthen capabilities identified in their agencies' Nationwide Cybersecurity Review (NCSR) or other cybersecurity risk assessment.*	This project will improve our overall security posture by replacing in-service, out-of-date, and unsupported equipment, as identified by NCSR/NIST CSF ID.RA-1, PR.IP-2, and PR.MA-1.
A.20 By checking this box the applicant agency attests the requested project works to close gaps and strengthen capabilities identified in their agencies' Nationwide Cybersecurity Review (NCSR) or other cybersecurity risk assessment. Note: The NCSR or other cybersecurity risk assessment is subject to review by the	Yes

Missouri Office of Homeland Security (OHS).*

A.21 Why is this project necessary for your agency/region/state?*	The facility hosts the primary Multi-Agency Coordination Center (MACC) for the region. As such, vulnerabilities in this control system could lead to significant negative impacts on being able to facilitate MACC operations.
A.22 How does your agency plan to financially sustain the requested items in the future without grant funding?*	These hardware components will be sustained by in-house information technology staff.

B. Project Capability, THIRA and Dual Use

B.1 Did your agency participate in the development of your respective region's Threat and Hazard Identification and Risk Assessment (THIRA)?*	Yes
B.1.a If you answered yes to Question B.1, please explain your agency's participation in the development of the THIRA.	During the last THIRA update, key management staff actively participated in the facilitated THIRA planning meetings led by RHSOC members and completed furnished spreadsheets outlining THIRA planning concepts.

Please review the State FY 2019 MO THIRA and FY 2021 MO SPR to determine the following:

B.2 Which Primary Core Capability best aligns to this project? Note: Your project must align to a Cybersecurity Primary Core Capability. A list of eligible Core Capabilities are included in the Notice of Funding Opportunity (NOFO). *	Cybersecurity
B.3 Which POETE (Planning, Organization, Equipment, Training, and Exercise) category(s) does your project address? *	Equipment 1000 Character Limit
B.4 How does this project impact the Capability Target listed on the State THIRA/SPR for the Core Capability chosen in B.2 and the POETE category(s) listed in B.3?*	The project directly aligns with enhancing cybersecurity for local government by removing cyber-vulnerable equipment and replacing it with secure hardware capable of preventing intrusion. 1000 Character Limit

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B.5 If this project is dual use, please describe how this project	This project helps to prevent cyber attacks from terrorists and others. This will help to ensure that data is not compromised or that unauthorized access to the Agency's system

supports terrorism preparedness, and how this project increases preparedness for other hazards unrelated to terrorism: (both terrorism preparedness, and other unrelated hazards)?

does not occur.

Dual use are activities, which support the achievement of target capabilities related
to terrorism preparedness may simultaneously support
enhanced preparedness for other hazards unrelated to acts of terrorism.
Funding for activities not explicitly focused on terrorism preparedness must demonstrate Dual Use.
1000 Character Limit

B.6 Please review the National Priorities in the FY 2022 SHSP ECSLP Notice of Funding Opportunity.
1. Enhancing the protection of soft targets/crowded places
2. Enhancing information and intelligence sharing and cooperation with federal agencies, including the Department of Homeland Security
3. Combating domestic violent extremism
4. Enhancing community preparedness and resilience
5. Enhancing cybersecurity
6. Enhancing election security

The project must align to the National Priority of Cybersecurity to be eligible for this funding opportunity. Please select the National Priority below.

National Priority:* Enhancing Cybersecurity

C. Project Background

Complete Project Background Investment Justification alignment and Prior Accomplishments for each year ONLY if proposed project was also funded with prior grant funds.

C.1 Was any portion of the proposed project funded with FY 2021 SHSP funds?:* Yes

C.2 FY 2021 Investment Justification Enhancing Cybersecurity

If funded with FY 2021 Federal Grant Award what was the last major accomplishment/milestone that was completed with FY 2021 funds?

C.3 FY 2021 Prior Accomplishments: We had to wait for OHS to complete certain requirements prior to ordering equipment. Equipment has been ordered and we are awaiting delivery. As with most electronics right now, the hardware is slow to be assembled and delivered.

250 Character Limit

C.4 Was any portion of the proposed project funded with FY 2020 SHSP funds?:* No

C.7 Was any portion of the proposed project funded with FY 2019 SHSP funds?:* No

D. Deployable/Sharable Resources

Deployable Resource: Identifies the availability and utility of an asset to multiple jurisdictions, regions, and the Nation; provides information on mobility of assets in an area. An asset that is physically mobile and can be used anywhere in the United States and territories via Emergency Management Assistance Compacts or other mutual aid/assistance agreements.

Shareable Resource: Provides information on the utility of a non-deployable shared asset in a region; identifies the asset's ability to augment and sustain a reinforced response within a region. An asset that can be utilized as a local, state, regional, or national capability, but is not physically deployable (i.e., fusion centers).

D.1 Does this project fund resources that are:* NA

If answered Deployable in question D.1 complete questions D.2-D.8.
If answered Shareable in question D.1 complete questions D.2-D.4.
If answered NA in question D.1 skip to Section E.

D.2 Item Name:

D.3 If this is a sustainment project, describe how the project sustains the deployable/shareable resource?:

250 Character Limit

D.4 Are there any special conditions/requirements on sharing the deployable/shareable resources(s)?

Example: Specific requirements of equipment, operator, etc.
250 Character Limit

FEMA Resource Typing Library Tool is located at https://rtlt.preptoolkit.org/Public.

D.5 Is deployable resource NIMS Kind & Typed?:

No

D.6 Deployable Resources Kind & Type Name(s):

Example: Cyber Incident Response Team
250 Character Limit

D.7 Deployable Resources Kind & Type ID(s): (ID x-xxx-xxxx)

Example: ID 13-508-1212 Cyber Incident Response Team
250 Character Limit

D.8 If not NIMS Kind & Typed, explain how the item further supports the Homeland Security Initiative:

250 Character Limit

E. Audit Details

E.1 Has the Applicant Agency exceeded the federal expenditure threshold of $750,000 in federal funds during agency's last fiscal year?:*

Yes
If the applicant agency exceeded the federal expenditure threshold in their last fiscal year, they must have their Single Audit or Program Specific Audit completed and submitted to the OHS within nine (9) months after the end of the audited fiscal year.

E.2 Date last audit completed: MM/DD/YYYY*

12/17/2021
If an agency has never had an audit, please enter the date of their last annual financial statement.

E.3 By checking this box the applicant agency understands they are required to upload a copy of the agency's most recent completed audit (or annual financial statement) in the Named Attachments section of this application:*

Yes

F. Risk Assessment

F.1 Does the applicant agency have new personnel that will be working on this award?:*

No
New personnel is defined as working with this award type less than 12 months.

F.2 Does the applicant agency have a new fiscal or time

No
New fiscal or time accounting system is defined as a system being utilized less than 12 months within the applicant agency.

accounting system that will be used on this award?:*	
F.3 Does the applicant agency receive any direct Federal awards?:*	No Direct grants are grants that you apply directly to the federal government for and there is no intermediary agency such as OHS.
F.4 Did the applicant agency receive any Federal monitoring on a direct federal award in their last fiscal year?:*	No

G. National Incident Management System (NIMS)

G.1 Has the jurisdiction formally adopted the National Incident Management System (NIMS) throughout the jurisdiction or organization to prevent, protect against, mitigate, respond to, and recover from incidents?:*	Yes
G.2 Has the jurisdiction ensured training for the incident personnel incorporates NIMS training that is pertinent to each individuals incident responsibilities in alignment with the NIMS training program?:*	Yes
G.3 Does the jurisdiction develop, maintain, and implement mutual aid agreements (to include agreements with the private sector and nongovernmental organizations)?:*	Yes
G.4 Does the jurisdiction apply ICS as the standard approach to the on-scene command, control, and coordination of incidents?:*	Yes
G.5 Does the jurisdiction enable effective and secure communications within and across jurisdictions and organizations?:*	Yes
G.6 Does the jurisdiction identify and inventory deployable incident resources consistently with national NIMS resource typing definitions and	Yes

job titles/position qualifications, available through the Resource Typing Library Tool?:*	
G.7 Has your agency designated a point of contact to serve as the principal coordinator for the implementation of NIMS?*	Yes
G.8 Has your agency adopted NIMS terminology for the qualification, certification, and credentialing of incident personnel?*	Yes
G.9 Does your agency use the NIMS Resource Management Process during incidents? (identify requirements, order and acquire, mobilize, track and report, demobilize, reimburse and restock)*	Yes
G.10 Does your agency implement JIS for the dissemination of incident information to the public, incident personnel, traditional and social media, and other stakeholders?*	Yes
G.11 Does your agency use MAC Groups/Policy Groups during incidents to enable decision making among elected and appointed officials and support resource prioritization and allocation?*	Yes
G.12 Does your agency organize and manage EOC's and EOC teams consistent with pertinent NIMS guidance?*	Yes
G.13 Does your agency apply plain language and clear text communications standards?*	Yes
G.14 Does your agency develop, maintain, and implement procedures for data collection, analysis, and dissemination to meet organizational needs for situational awareness?*	Yes

*If answered **No** to any questions G.1-G.14, please explain planned activities during grant period to strive towards being NIMS compliant.*

G.15 Planned Activities:

H. Certified Assurances

To the best of my knowledge and belief, all data in this application is true and correct, the document has been duly authorized by the governing body of the applicant, and the applicant attests to and/or will comply with the following Certified Assurances if the assistance is awarded:

SHSP Certified Assurances

H.1 By checking this box, I have read and agree to the terms and conditions of this grant:* Yes

In order to be considered eligible for funding, the correct Authorized Official must be designated and have knowledge of the certified assurances associated with this funding opportunity. ***If the incorrect Authorized Official is listed in H.2 of the application, the application will be deemed ineligible for funding.***

The Authorized Official is the individual who has the authority to legally bind the applicant into a contract and is generally the applicant's elected or appointed chief executive. For example:

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- *If the applicant agency is a State Department, the Director shall be the Authorized Official*
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- *If the applicant agency is a special district, such as Fire Protection District or Ambulance District, the Board Chair/President shall be the Authorized Official*

If a designee is being utilized to authorize the application, the Missouri Department of Public Safety (DPS) reserves the right to request documentation that indicates the designee has the authority to legally bind the applicant into a contract in lieu of the Authorized Official at the time of application submission.

The above list is not an all-inclusive list. If you do not fall into the above listed categories, or if you are unsure of who the Authorized Official is for your agency, please contact the Missouri Office of Homeland Security at (573) 522-6125.

H.2 Authorized Official Name and Title:* Bob Dixon, Presiding Commissioner

H.3 Name and Title of person completing this proposed application:* Robbin Sawyer, Administrative Services Manager

H.4 Date:* 09/09/2022

Personnel

Name:	Position Title:	Position Status:	Employment Status:	%of time spent on this grant funded activities:	Requested Personnel Cost:	Discipline:	Function:	Allowable Activity:
					$0.00			

Narrative Justification - Personnel

5000 Character Limit

Personnel Benefits

Name:	Benefits % of Salary	Requested Benefit Cost:	Discipline:	Function:	Allowable Activity:
		$0.00			

Narrative Justification - Benefits

5000 Character Limit

Travel

Item Name:	Category:	Explanation of Other Travel:	Total Cost:	Discipline:	Function:	Allowable Activity:
			$0.00			

Narrative Justification - Travel

5000 Character Limit

Equipment

Line Item Name:	AEL #:	Qty:	Unit Cost:	Total Cost:	Sustainment:	Discipline:	Function:	Allowable Activity:
Crestron TS-1070-B-S Control Panel	05PM-00-PTCH	2.0	$2,813.00	$5,626.00	Yes	Cyber Security	Equipment	Cybersecurity Enhancement Equipment
				$5,626.00				

Narrative Justification - Equipment

Our current touch screen panels went into an 'End of Life' status long ago, so Crestron is not issuing firmware/operating system updates for them. Our current existing panels run on Windows XP embedded; which is a

very insecure operating system. The new Crestron touch panels run the Android operating system, which is much more secure. This purchase will allow us to further secure our IT network while not losing any operational functionality. The ability to effortlessly move information around our Public Safety Center is crucial in expediting the decision-making process and enhancing force multiplication.

Per quote, each touch screen panel is $2,063 X 2 panels = $4,126. (includes shipping) and installation is $1,500.

Total Equipment: $5,626.00

5000 Character Limit

Supplies/Operations

Supply/Operation Type:	Item Name:	Qty:	Unit Cost:	Total Supply or Operation Expense Cost:	Discipline:	Function:	Allowable Activity:
				$0.00			

Narrative Justification - Supplies/Operations

5000 Character Limit

Contractual

Item Name:	Type of Contract:	Contract Amount:	Discipline:	Function:	Allowable Activity:
		$0.00			

Narrative Justification - Contractual

5000 Character Limit

Total Budget

Total Personnel: $0.00

Total Benefits: $0.00

Total Travel:	$0.00
Total Equipment:	$5,626.00
Total Supplies/Operation:	$0.00
Total Contractual:	$0.00
Total Project Cost:	$5,626.00

Named Attachments

Attachment	Description	File Name	Type	File Size
Audit/Financial Statement (REQUIRED)*	2021 Audit Requirements	2021 Audit Requirements 12.21.21.pdf	pdf	52 KB
Federal Fund Schedule (REQUIRED if not included in Audit)				
Quote or other costs basis	Quote for equipment and installation.	Est_SJTS_TP_2_from_Southwest_AudioVisual_Inc._20864.pdf	pdf	1.0 MB
Training Request Form				
Other Supporting Information				
Other Supporting Information				
Other Supporting Information				
Other Supporting Information				
Other Supporting Information				

ex 2

Missouri Department of
Public Safety

Application

144368 - FY 2022 SHSP Enhancing Community Preparedness & Resilience (ECPR) - Final Application

144858 - Community Emergency Response Team Sustainment
State Homeland Security Program (SHSP)

Status:	Editing	**Submitted Date:**	**Submitted By:**

Applicant Information

Primary Contact:

Name:*	Ms (Title)	Robbin (First Name)	Sawyer (Last Name)
Job Title:*	Administrative Services Manager		
Email:*	rsawyer@greenecountymo.gov		
Mailing Address:*	330 W Scott Street		
Street Address 1:			
Street Address 2:			
*	Springfield (City)	Missouri (State/Province)	65802 (Postal Code/Zip)
Phone:*	417-869-6040		Ext.
Fax:	417-869-6654		

Organization Information

Applicant Agency:*	Greene County Emergency Management Agency	
Organization Type:*	Government	
Federal Tax ID#:*	446000506	
DUNS #:	095831228	
Unique Entity ID:*	DS69LE21H4L5	
SAM/CCR CAGE Code:	3QMR3	11/23/2011 (Valid Until Date)
Organization Website:	greenecountymo.gov/oem	
Mailing Address:*	330 W Scott Street	
Street Address 1:		

Street Address 2:

City*	Springfield City	Missouri State/Province	65802 Postal Code/Zip	3859 + 4

County:* Greene

Congressional District:* 07

Phone:* 417-869-6040 Ext.

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Authorized Official:*	Mr Title (Mr.Ms.etc)	Bob First Name	Dixon Last Name

Job Title:* Presiding Commissioner

Agency:* Greene County Commission

Mailing Address:* 1443 N Robberson Avenue, 10th Floor

Street Address 1:

Street Address 2:

*	Springfield City	Missouri State	65802 Zip Code

Email:* bdixon@greenecountymo.gov

Phone:* 417-868-4112 Office Ext. Cell

Fax: 417-868-4818

Applicant Project Director

Applicant Project Director:*	Mr Title (Mr.Ms.etc)	Larry First Name	Woods Last Name

Job Title:* Director

Agency:* Greene County Emergency Management

Mailing Address:* 330 W Scott Street

Street Address 1:

Street Address 2:

*

Springfield	Missouri	65802
City	State	Zip Code

Email:* lwoods@greenecountymo.gov

Phone:* 417-869-6040

Office Ext. Cell

Fax 417-869-6554

Fiscal Officer

Fiscal Officer:*

Mr	Justin	Hill
Title (Mr.Ms.etc)	First Name	Last Name

Job Title:* Treasurer

Agency:* Greene County Government

Mailing Address:* 940 N Boonville Avenue, Room 112

Street Address 1:

Street Address 2:

*

Springfield	Missouri	65802
City	State	Zip Code

Email:* jrhill@greenecountymo.gov

Phone:* 417-868-4051

Office Ext. Cell

Fax 417-829-6196

Project Contact Person

Project Contact Person:

Mr	Aubrey	Johnson
Title (Mr.Ms.etc)	First Name	Last Name

Job Title: Training/Exercise Specialist

Agency: Greene County Emergency Management

Mailing Address: 330 W Scott Street

Street Address 1:

Street Address 2:

Springfield	Missouri	65802
City	State	Zip Code

Email: aubrey.johnson@greenecountymo.gov

Phone: 417-869-6040

Office Ext. Cell

Fax: 417-869-6654

Section A.1 through B.2

A. Project Worksheet

A.1 Project Title:*	CERT Program Sustainment
A.2 Agency Name:*	Springfield-Greene County OEM (CERT Program)
A.3 Region:*	D
A.4 County:*	Greene
A.5 Project Location Zip Code:*	65802
A.6 Project Activity Type:*	Establish/enhance citizen/volunteer initiatives
A.7 Was this project previously funded with State Homeland Security Program (SHSP) funds?*	Yes
A.7.a If you answered yes to Question A.7, please give a brief description and year of the original project.	The CERT Program has received equipment and supplies via MOCERT 1, which is the sub-award recipient for Region D RHSOC.
A.7.b If you answered yes to Question A.7, please indicate if assets from your project have been deployed/shared in the past 12 months.	We have deployed as requested as part of MOCERT 1. Otherwise, the Greene County CERT has deployed throughout the COVID response, the Ozark Empire Fair, and the Route 66 Festival.
A.8 Does this project increase capabilities (build/enhance), or does this project sustain capabilities at the current level?*	Sustain
A.9 Project Description*	We would like to replace aged and dilapidated equipment and supplies, some of which are more than a decade old, in order to keep the program running effectively. We would like to add additional equipment and supplies of the same types to be able to multiply our capability.
A.10 Provide a summary of specific project actions/items that will be purchased with grant funds:*	Equipment: replace a 2003 trailer that has a significant leak due to a manufacturer installed window that is significantly costly to repair and has already caused structural damage. Supplies: See attached sheets for lists of supplies.
A.11 Are you applying for interoperable communications equipment?*	No
A.12 Provide estimated duration of the project (how long will it take to complete this project):*	The longest lead time for the project will be the trailer. It will be build time plus delivery time. The supplies will strictly be ordering plus shipping and delivery.
A.13 What are the objectives this project is designed to	Replacement of outdated or worn equipment and supplies. The addition of similar supplies as we have to multiply our capability.

accomplish? (the purpose of the project)*	
A.14 How does this project align with/increase terrorism preparedness for your agency/region/state?*	The CERT program is designed to train neighbors to assist neighbors. In the event of a terrorist attack, it will be our CERT volunteers who will respond into their neighborhoods assisting citizens until trained responders arrive. The equipment and supplies assist with training and preparing these teams to be able to respond when needed.
A.15 How does your project align to and support the national priority of enhancing community preparedness and resilience?*	The CERT program is designed to train neighbors to assist neighbors. Our CERT volunteers will respond into their neighborhoods assisting citizens until trained responders arrive. The equipment and supplies assist with training and preparing these teams to be able to respond when needed.
A.16 Why is this project necessary for your agency/region/state?*	Our CERT volunteers assist with both planned events and unplanned incidents. They have been instrumental in the COVID response, have deployed on search and rescue missions, large community gatherings to provide first aid support, and regional disasters including tornadoes and floods.
A.17 How does your agency plan to financially sustain the requested items in the future without grant funding?*	The OEM has maintained the CERT program since approximately the mid-2000s and will continue to do so.

B. Project Capability, THIRA and Dual Use

B.1 Did your agency participate in the development of your respective region's Threat and Hazard Identification and Risk Assessment (THIRA)?*	Yes
B.1.a If you answered yes to Question B.1, please explain your agency's participation in the development of the THIRA.	During the last THIRA update, key management staff actively participated in the facilitated THIRA planning meetings led by RHSOC members and completed furnished spreadsheets outlining THIRA planning concepts.

Please review the State FY 2019 MO THIRA and FY 2021 MO SPR to determine the following:

B.2 Which Primary Core Capability best aligns to this project? Note: Your project must align to an Enhancing Community Preparedness and Resilience Primary Core Capability. A list of eligible Core Capabilities are included in the Notice of Funding Opportunity (NOFO). *	Community Resilience
B.3 Which POETE (Planning, Organization, Equipment, Training, and Exercise) category(s) does your project address? *	Equipment 1000 Character Limit
B.4 How does this project impact the Capability Target listed	The project directly aligns with enhancing community resilience for local government by sustaining the capability to respond to citizens in neighborhoods directly affected by the

on the State THIRA/SPR for the Core Capability chosen in B.2 and the POETE category(s) listed in B.3?*

disaster until trained responders can arrive.

1000 Character Limit

B.5 If this project is dual use, please describe how this project supports terrorism preparedness, and how this project increases preparedness for other hazards unrelated to terrorism: (both terrorism preparedness, and other unrelated hazards)?

This project is truly all-hazards and whole-community in scope. There is not a hazard identified that this group of dedicated volunteers, organized through this structured CERT program, cannot assist with.

Dual use are activities, which support the achievement of target capabilities related to terrorism preparedness may simultaneously support enhanced preparedness for other hazards unrelated to acts of terrorism.
Funding for activities not explicitly focused on terrorism preparedness must demonstrate Dual Use.
1000 Character Limit

B.6 Please review the National Priorities in the FY 2022 SHSP ECPR Notice of Funding Opportunity.
1. Enhancing the protection of soft targets/crowded places
2. Enhancing information and intelligence sharing and cooperation with federal agencies, including the Department of Homeland Security
3. Combating domestic violent extremism
4. Enhancing community preparedness and resilience
5. Enhancing cybersecurity
6. Enhancing election security

The project must align to the National Priority of Enhancing Community Preparedness and Resilience to be eligible for this funding opportunity. Please select the National Priority below.

National Priority:*

Enhancing Community Preparedness & Resilience

C. Project Background

Complete Project Background Investment Justification alignment and Prior Accomplishments for each year ONLY if proposed project was also funded with prior grant funds.

C.1 Was any portion of the proposed project funded with FY 2021 SHSP funds?:*

Yes

C.2 FY 2021 Investment Justification

Building and Sustaining Regional Collaboration via Regional Homeland Security Oversight

If funded with FY 2021 Federal Grant Award what was the last major accomplishment/milestone that was completed with FY 2021 funds?

C.3 FY 2021 Prior Accomplishments:

Responded to multiple COVID-19 calls for assistance and to one special event deployment.

250 Character Limit

C.4 Was any portion of the proposed project funded with FY 2020 SHSP funds?:*

Yes

C.5 FY 2020 Investment Justification:

Building and Sustaining Regional Collaboration via Regional Homeland Security Oversight

If funded with FY 2020 Federal Grant Award what was the last major accomplishment/milestone that was completed with FY 2020 funds?

C.6 FY 2020 Prior Accomplishments:

Responded continuously for months to COVID-19 calls for assistance.

250 Character Limit

C.7 Was any portion of the proposed project funded with FY 2019 SHSP funds?:*

Yes

C.8 FY 2019 Investment Justification:

Building and Sustaining Regional Collaboration via Regional Homeland Security Oversight

If funded with FY 2019 Federal Grant Award what was the last major accomplishment/milestone that was completed with FY 2019 funds?

C.9 FY 2019 Prior Accomplishments:

Responded to a regional response and two local special event responses. Conducted a CERT course.

250 Character Limit

D. Deployable/Sharable Resources

Deployable Resource: Identifies the availability and utility of an asset to multiple jurisdictions, regions, and the Nation; provides information on mobility of assets in an area. An asset that is physically mobile and can be used anywhere in the United States and territories via Emergency Management Assistance Compacts or other mutual aid/assistance agreements.

Shareable Resource: Provides information on the utility of a non-deployable shared asset in a region; identifies the asset's ability to augment and sustain a reinforced response within a region. An asset that can be utilized as a local, state, regional, or national capability, but is not physically deployable (i.e., fusion centers).

D.1 Does this project fund resources that are:*

Deployable Resouce

If answered Deployable in question D.1 complete questions D.2-D.8.
If answered Shareable in question D.1 complete questions D.2-D.4.
If answered NA in question D.1 skip to Section E.

D.2 Item Name:

CERT Trailer

D.3 If this is a sustainment project, describe how the project sustains the deployable/shareable resource?:

We have an existing trailer that is used to respond to CERT deployments. This resource is not only used in Greene County but for requests throughout the region when needed.

250 Character Limit

D.4 Are there any special conditions/requirements on sharing the deployable/shareable resources(s)?

Yes
Example: Specific requirements of equipment, operator, etc.
250 Character Limit

D.4.a Please explain the special conditions/requirements on sharing the deployable/shareable resource.

Since CERT is a program of Greene County Office of Emergency Management (OEM) and due to insurance reasons, the trailer must be pulled (deployed) by staff and vehicles from the OEM.

FEMA Resource Typing Library Tool is located at https://rtlt.preptoolkit.org/Public.

D.5 Is deployable resource NIMS Kind & Typed?:

No

D.6 Deployable Resources Kind & Type Name(s):

Example: Community Emergency Response Team (CERT) Team Leader
250 Character Limit

D.7 Deployable Resources Kind & Type ID(s): (ID x-xxx-xxxx)

Example: ID 10-509-1465 Community Emergency Response Team (CERT) Team Leader
250 Character Limit

D.8 If not NIMS Kind & Typed, explain how the item further supports the Homeland Security Initiative:

250 Character Limit

E. Audit Details

E.1 Has the Applicant Agency exceeded the federal expenditure threshold of $750,000 in federal funds during agency's last fiscal year?:*

Yes

If the applicant agency exceeded the federal expenditure threshold in their last fiscal year, they must have their Single Audit or Program Specific Audit completed and submitted to the OHS within nine (9) months after the end of the audited fiscal year.

E.2 Date last audit completed: MM/DD/YYYY*

12/17/2021

If an agency has never had an audit, please enter the date of their last annual financial statement.

E.3 By checking this box the applicant agency understands they are required to upload a copy of the agency's most recent completed audit (or annual financial statement) in the Named Attachments section of this application:*

Yes

F. Risk Assessment

F.1 Does the applicant agency have new personnel that will be working on this award?:*

No

New personnel is defined as working with this award type less than 12 months.

F.2 Does the applicant agency have a new fiscal or time accounting system that will be used on this award?:*

No

New fiscal or time accounting system is defined as a system being utilized less than 12 months within the applicant agency.

F.3 Does the applicant agency receive any direct Federal awards?:*

No

Direct grants are grants that you apply directly to the federal government for and there is no intermediary agency such as OHS.

F.4 Did the applicant agency receive any Federal monitoring on a direct federal award in their last fiscal year?:*

No

G. National Incident Management System (NIMS)

G.1 Has the jurisdiction formally adopted the National Incident Management System (NIMS) throughout the jurisdiction or organization to prevent, protect against, mitigate, respond to, and recover from incidents?:*

Yes

G.2 Has the jurisdiction ensured training for the incident personnel incorporates NIMS training that is pertinent to each individuals incident responsibilities in alignment with the NIMS training program?:*	Yes
G.3 Does the jurisdiction develop, maintain, and implement mutual aid agreements (to include agreements with the private sector and nongovernmental organizations)?:*	Yes
G.4 Does the jurisdiction apply ICS as the standard approach to the on-scene command, control, and coordination of incidents?:*	Yes
G.5 Does the jurisdiction enable effective and secure communications within and across jurisdictions and organizations?:*	Yes
G.6 Does the jurisdiction identify and inventory deployable incident resources consistently with national NIMS resource typing definitions and job titles/position qualifications, available through the Resource Typing Library Tool?:*	Yes
G.7 Has your agency designated a point of contact to serve as the principal coordinator for the implementation of NIMS?*	Yes
G.8 Has your agency adopted NIMS terminology for the qualification, certification, and credentialing of incident personnel?*	Yes
G.9 Does your agency use the NIMS Resource Management Process during incidents? (identify requirements, order and acquire, mobilize, track and report, demobilize, reimburse and restock)*	Yes

G.10 Does your agency implement JIS for the dissemination of incident information to the public, incident personnel, traditional and social media, and other stakeholders?*	Yes
G.11 Does your agency use MAC Groups/Policy Groups during incidents to enable decision making among elected and appointed officials and support resource prioritization and allocation?*	Yes
G.12 Does your agency organize and manage EOC's and EOC teams consistent with pertinent NIMS guidance?*	Yes
G.13 Does your agency apply plain language and clear text communications standards?*	Yes
G.14 Does your agency develop, maintain, and implement procedures for data collection, analysis, and dissemination to meet organizational needs for situational awareness?*	Yes

*If answered **No** to any questions G.1-G.14, please explain planned activities during grant period to strive towards being NIMS compliant.*

G.15 Planned Activities:

H. Certified Assurances

To the best of my knowledge and belief, all data in this application is true and correct, the document has been duly authorized by the governing body of the applicant, and the applicant attests to and/or will comply with the following Certified Assurances if the assistance is awarded:

SHSP Certified Assurances

H.1 By checking this box, I have read and agree to the terms and conditions of this grant:*	Yes

*In order to be considered eligible for funding, the correct Authorized Official must be designated and have knowledge of the certified assurances associated with this funding opportunity.**If the incorrect Authorized Official is listed in H.2 of the application, the application will be deemed ineligible for funding.***

The Authorized Official is the individual who has the authority to legally bind the applicant into a contract and is generally the applicant's elected or appointed chief executive. For example:

- *If the applicant agency is a city, the Mayor or City Administrator shall be the Authorized Official*
- *If the applicant agency is a county, the Presiding County Commissioner or County Executive shall be the Authorized Official*
- *If the applicant agency is a State Department, the Director shall be the Authorized Official*
- *If the applicant agency is a college/university, the President shall be the Authorized Official*
- *If the applicant agency is a nonprofit, the Board Chair/President shall be the Authorized Official, this includes Fire Protection Districts.*
- *If the applicant agency is an Regional Planning Commission (RPC) or Council of Government (COG), the Executive Director shall be the Authorized Official*

• If the applicant agency is a special district, such as Fire Protection District or Ambulance District, the Board Chair/President shall be the Authorized Official

If a designee is being utilized to authorize the application, the Missouri Department of Public Safety (DPS) reserves the right to request documentation that indicates the designee has the authority to legally bind the applicant into a contract in lieu of the Authorized Official at the time of application submission.

The above list is not an all-inclusive list. If you do not fall into the above listed categories, or if you are unsure of who the Authorized Official is for your agency, please contact the Missouri Office of Homeland Security at (573) 522-6125.

H.2 Authorized Official Name and Title:* Bob Dixon, Presiding Commissioner

H.3 Name and Title of person completing this proposed application:* Robbin Sawyer, Administrative Services Manager

H.4 Date:* 09/09/2022

Personnel

Name:	Position Title:	Position Status:	Employment Status:	%of time spent on this grant funded activities:	Requested Personnel Cost:	Discipline:	Function:	Allowable Activity:
					$0.00			

Narrative Justification - Personnel

N/A

5000 Character Limit

Personnel Benefits

Name:	Benefits % of Salary	Requested Benefit Cost:	Discipline:	Function:	Allowable Activity:
		$0.00			

Narrative Justification - Benefits

N/A

5000 Character Limit

Travel

Item Name:	Category:	Explanation of Other Travel:	Total Cost:	Discipline:	Function:	Allowable Activity:
			$0.00			

Narrative Justification - Travel

N/A

5000 Character Limit

Equipment

Line Item Name:	AEL #:	Qty:	Unit Cost:	Total Cost:	Sustainment:	Discipline:	Function:	Allowable Activity:
Equipment, Citizen Corps	21GN-00-CCEQ	1.0	$19,900.00	$19,900.00	Yes	Emergency Management	Equipment	Critical emergency supplies
				$19,900.00				

Narrative Justification - Equipment

This trailer will replace an existing CERT trailer that has become structurally damaged due to water leakage from an original manufacturer-installed side window. This trailer is a 2003 model.

Trailer Refresh: 16 ft. tandem axel trailer designed with storage for response supplies, buildout tables for incident management, and wired for generator.

Trailer Equipment Estimate: $19,900 (bid required, see attached quote)

AEL: 21GN-00-CCEQ - Equipment, Citizen Corps

5000 Character Limit

Supplies/Operations

Supply/Operation Type:	Item Name:	Qty:	Unit Cost:	Total Supply or Operation Expense Cost:	Discipline:	Function:	Allowable Activity:
General Office Supplies (paper, pens, paper clips, etc.)	Training and Response Supplies	1.0	$4,287.80	$4,287.80	Emergency Management	Organization	Operational support
				$4,287.80			

Narrative Justification - Supplies/Operations

The supplies are a combination of replacement of expendable items (ie splints for training, first aid supplies for training, fire extinguisher testing and charging, etc.), items that promote the CERT program (ie CERT signage, table covers, flags, and a pop-up tent for response/training/promotional events), and augmentation items for the above trailer.

Total Supply Estimate: $4,287.80 (see attached quotes)

AEL: 21GN-00-CCEQ - Equipment, Citizen Corps

5000 Character Limit

Contractual

Item Name:	Type of Contract:	Contract Amount:	Discipline:	Function:	Allowable Activity:
		$0.00			

Narrative Justification - Contractual

N/A

5000 Character Limit

Total Budget

Total Personnel:	$0.00
Total Benefits:	$0.00
Total Travel:	$0.00
Total Equipment:	$19,900.00

Total Supplies/Operation: $4,287.80

Total Contractual: $0.00

Total Project Cost: $24,187.80

Named Attachments

Attachment	Description	File Name	Type	File Size
Audit/Financial Statement (REQUIRED)*	2021 Audit Requirements	2021 Audit Requirements 12.21.21.pdf	pdf	52 KB
Federal Fund Schedule (REQUIRED if not included in Audit)				
Quote or other costs basis	This is a quote to replace an existing CERT trailer.	Trailer Quote.pdf	pdf	91 KB
Training Request Form				
Other Supporting Information	This is a misc. supplies quote for program support and requested CERT trailer augmentation.	Pro Pac Supply Quote.pdf	pdf	74 KB
Other Supporting Information	This quote lists a portable A/C unit for the quoted CERT trailer to allow the trailer to be used for incident management purposes.	Uline Supply Quote.pdf	pdf	67 KB
Other Supporting Information	This quote is for recharging existing fire extinguishers used for CERT class training. The extinguishers are also due for vessel pressure testing to make sure they are safe to use.	Johnson Controls Supply Quote.pdf	pdf	113 KB
Other Supporting Information				
Other Supporting Information				

ex3

FY22 Notice of Interest HMGP-BRIC

Submitted By:
Springfield-Greene County
Office of Emergency Management

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HAZARD MITIGATION GRANT PROGRAM

NOTICE OF INTEREST

Jurisdiction Name:	County of Greene, Missouri
Project Title:	Fellows and McDaniel Lake Recreation Area: Outdoor Warning Siren Project
Submission Date:	September 9, 2022

Springfield-Greene County

Office of Emergency Management

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SPRINGFIELD-GREENE COUNTY
OFFICE OF EMERGENCY MANAGEMENT

FY22 NOI HMGP-BRIC Signature Page

(Outdoor Warning Sirens)

September 9, 2022

The Greene County Commission has reviewed the FY22 Notice of Interest (HMGP-BRIC) Matching Grant Funding Application in the amount of **$151,029 ($37,800 Greene County match)**. This NOI is required to be submitted to the State of Missouri no later than September 12, 2022. These funds will be used to purchase and install outdoor warning sirens to cover the Fellows Lake Recreational Area (three sirens) and the McDaniel Lake Recreational Area (one siren). This documentation is a Notice of Interest only and does not constitute the formal application, but it is a requirement in order to be eligible for the application process.

The Greene County Commission approves the submission of the FY22 Notice of Interest (HMGP-BRIC) Application on September 9, 2022.

COUNTY OF GREENE, MISSOURI

By: _____
Bob Dixon, Presiding Commissioner

By: _____
Rusty MacLachlan, Commissioner 1st District

By: _____
John Russell, Commissioner 2nd District

330 W. Scott Street
Springfield, MO 65802
(O) 417.869.6040
(F) 417.869.6654

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Notice of Interest (NOI) Instructions

Documents to accompany NOI's:

All NOIs MUST include:

- FIRM with location of project marked
- The County Local Hazard Mitigation Plan Adoption Resolution
- Line Item Budget-just an estimate if obtainable (attach an additional document)
- Attach or speak to where the cost estimate quote was received. (i.e. Company, A/E, etc.)
- **Clear explanation of the work
- Address including Latitude & Longitude
- ***Must have a current local hazard mitigation plan*** - Jurisdiction must have this project's action item for this project and Jurisdiction must have adopted the plan. The project will not be eligible if the action item is not included within the County's Hazard Mitigation Plan. Please contact your Regional Planning Commission or Council of Governments to amend plan.
- Buyouts do not need a FEMA Benefit Cost Analysis if the property/acquisition is below $323,000.00. (See FEMA Memorandum: Cost Effectiveness Determination for Acquisition and Elevations in Special Flood Hazard Areas.) **Note:** Missouri will not do elevation projects. This is a preventative measure to keep all structures out of the floodplain.
- Keep in mind, the budget you enter will be the budget SEMA will need to adhere to for FEMA funding. There is a set budget amount in the HMGP funding source. **If budgets come in higher during application development (if chosen) then this can cause a problem. This will only apply to HMGP and BRIC State Allocation budgets.**
- **Site grading, Landscaping/site restoration, demo & clearing** all require a FEMA Benefit Cost Analysis (BCA) 1.0 or greater to be turned in with NOI. These types of projects are hard to get the BCA to come out to a 1.0 or greater and we will need to justify the rating selection and consideration.
- **LWC, Culverts**, etc. - BCA, H & H Study (at least an analysis)
- **Economically disadvantaged rural community** is a community of 3,000 or fewer individuals identified by the Applicant that is economically disadvantaged, with residents having an average per capita annual income not exceeding 80 percent of the national per capita income, based on best available data. **Provide the information and source. Federal share 90 percent and 10 percent non-federal.**

Note: Award consideration will be based on compliance of target population vs. size of the safe room. Safe room size must be in accordance to FEMA 361 Guidance (4th ed.).

NOT AUTHORIZED:

- BRIDGE REPLACMENTS OR BRIDGE REPAIRS for State or Federal roads.
- CONSTRUCTION OF A LEVEE OR REPAIRS
- ELEVATIONS
- RESIDENTIAL SAFE ROOMS

Please do not send us the County's Hazard Mitigation Plan.

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BRIC-NOTICE OF INTEREST (NOI)

(This is NOT an Application - An NOI is considered valid for two years from date of submission.)

Interested Sub-Applicant Information
Date: 08/30/2022 **County: Greene**
Name of Interested Sub-Applicant: County of Greene, Missouri
Congressional District: Missouri Seventh (7th)
Type of Interested Sub-Applicant: Local (County) Government
State Tax Number: 12531847
Federal Tax Number: 44-6000506
Federal Employer Identification Number (EIN): 44-6000506
UEI Number: DS69LE21H4L5
NFIP Member Currently in Good Standing? Yes
Years in NFIP: 34
NFIP Identification Number: 290782
Delinquent on any Federal debt? No
Economically disadvantaged, rural community? No
Point of Contact Information
Title: Director
First-Last Name: Larry Woods
Agency/Organization: Office of Emergency Management
Address 1: 330 W. Scott Street
Address 2:
City/State & ZIP: Springfield, MO 65802
Phone: 417-869-6040
Email: LWoods@greenecountymo.gov
Alternate Point of Contact Information
Title: Administrator
First-Last Name: Chris Coulter
Agency/Organization: County of Greene, Missouri
Address 1: 1443 N. Robberson Ave, 10th Floor
Address 2:
City/State & ZIP: Springfield, MO 65802
Phone: 417-868-4112
Email: CCoulter@greenecountymo.gov
Mitigation Plan Information
Has your community adopted a FEMA-approved local hazard mitigation plan (HMP)? Yes
What is the name of the plan? Greene County Multi-Jurisdictional Hazard Mitigation Plan
***The proposed project type must be addressed in local hazard mitigation plan in order to be eligible.*
Where in the plan is this mitigation goal/action project type located (section/page)? Section 4-Mitigation Strategy: Page 4.15

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What date was the mitigation plan approved by FEMA? 2020

Mitigation Project/Plan Information

What type of project/plan are you proposing?
Outdoor Warning Sirens

Title of your proposed project/plan:
Fellows and McDaniel Lake Recreation Area: Outdoor Warning Siren Project

If project is a safe room, please specify any multi-purpose use (e.g. gym, classroom):

What is the community/jurisdiction population?
291,574 (2020)

Does your community/jurisdiction have a project manager or will the service be contracted? If requesting **Project Management** (*up to 5% of other project costs*) has **Project Management** been included in the *Total Estimate Cost* of the Project below? (*Project Mgt. is strictly for that person managing the project.*) Requesting Project Mgt. is not required.

We are not requesting project management support.

Please describe the proposed project/plan below. Address who benefits, why, what is the project, be specific.

- Please provide a cost estimate and details of the estimate.
- If the proposed project is an Earthquake Seismic Retrofit, please provide the estimated target population of building, who it will protect. Include the usable square footage/gross square footage.
- Must include a FIRM to confirm project is not in a flood zone.

Project/Plan Cost Estimate & Match

Total Project/Plan Cost Estimate	$ 151,029	
Federal Share Percentage	75.0% - $113,275	
Non-Federal Share Percentage	25.0% - $37,800	
Only If Economically Disadvantaged Rural Community:	Dollars	Percentage
Proposed Federal Share	$ N/A	90%
Proposed Non-Federal Share	$ N/A	10%

Matching Funds

Name of Source of Non-Federal Match	Funding Type	Amount ($)
County of Greene	General Revenue	$37,800

Estimated Summary History of Past Damages Project Will Prevent in the Future

*Date	*Event	*Description of Damage	*Amount of Damage
2008-2018	Tornadoes	Through this timeframe, Greene County has sustained millions in damage and 6 deaths and 136 injuries.	$6,480,000
		***Total Amount of Damage**	$

Completed NOI can be submitted via e-mail to Jennifer Storey, Deputy State Hazard Mitigation Officer, jennifer.storey@sema.dps.mo.gov or to Mary Smith, State Hazard Mitigation Specialist, mary.smith@sema.dps.mo.gov

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ATTACHMENTS

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EXPLANATION OF WORK

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Explanation of Work

Statement of Need

The Office of Emergency Management (OEM), at the local level, is responsible for providing public warning to the citizens of Greene County. This is done in several ways, the primary being outdoor warning sirens and social media alerts. Over a ten year period from 2008-2018, Greene County has experienced 18 tornadoes, ranging from EF0 to EF3 on the Enhanced Fujita Scale. The OEM currently facilitates the activation of 72 outdoor warning sirens across Greene County. These sirens are located in heavily populated areas where outdoor warning devices are the most effective.

Greene County, the city of Springfield and area municipalities have expended considerable funding to provide a comprehensive outdoor siren warning system. Most recently, Greene County approved the procurement of a $25,000 upgrade for siren system activation capabilities.

The lake areas have built up over the years with subdivisions and rural farms. The citizens surrounding the lake areas, for several years, have requested the County to provide siren coverage. Additionally, over the past five-years, a collaboration of government and non-governmental organizations have developed the Fellows Lake and McDaniel Lake areas into recreational destinations. These areas are now heavily utilized for fishing, boating/kayaking, picnicking, trail biking, and trail walking. Due to their rural locations, there is serious concern that persons using these recreation areas would not have sufficient warning in the event of a severe weather incident. Given the historical data on severe weather occurrences in Greene County, and the increased use of the lakes for recreation, we feel that it is imperative to address access to public warnings for these areas.

Goal

To address the issue of a lack of warning capability, it is our goal to install sufficient outdoor warning sirens at the two lake locations to provide effective warning to those using the recreational areas.

Objectives

Greene County seeks funding to purchase and have installed up to four (4) sirens congruent with existing siren equipment, which will provide outdoor warning to recreational areas and the citizens living in close proximity to both Fellows Lake and McDaniel Lake in north central Greene County. It would be our intent to engage this project the first quarter of 2023 with installation, integration, testing and completion done prior to fall severe weather season of 2023.

Budget

It would be Greene County's intent to limit the numbers of siren components to the minimum necessary to adequately warn the area. We have been working with the contractor used for the existing siren systems to determine the exact equipment and coverage needed.

It is the intent to place sirens in right-of-way locations currently owned and maintained by local government. While not preferred, there may be some instances this is not possible and the procurement of right-of-way property may be needed. This cost is not currently contained in the cost estimate quotes.

**See Project Cost Estimate section for cost specifics.*

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MITIGATION PLAN ADOPTION RESOLUTION

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RESOLUTION NO. ACR-2020.07.30

RESOLUTION OF THE GREENE COUNTY COMMISSION SPRINGFIELD, MISSOURI

DATE RESOLVED: July 29, 2020

SUBJECT: **ADOPTION OF THE GREENE COUNTY 2020-2025 MULTI-JURIDICITONAL HAZARD MITIGATION PLAN**

WHEREAS, Greene County recognizes the threat that natural, human-caused and technical hazards pose to people and property within Greene County and,

WHEREAS, Greene County has participated in the preparation of a multi-jurisdictional local hazard mitigation plan, hereby known as the Greene County 2020-2025 Multi-Jurisdictional Hazard Mitigation Plan, hereby known as the Plan, in accordance within the Disaster Mitigation Act of 2000; and,

WHEREAS, The Plan identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in Greene County from the impacts of future hazards and disasters; and

WHEREAS, Greene County recognizes that land use policies have a major impact on whether people and property are exposed to natural, human caused and technical hazards, Greene County will endeavor to integrate the plan into the comprehensive planning process; and,

WHEREAS, Adoption by the Greene County demonstrates their commitment to hazard mitigation and achieving the goals outlines in the Plan.

NOW THEREFORE, BE IT RESOLVED that the County Commission of Greene County, State of Missouri hereby adopt the final FEMA-Approved Plan.

Adopted this 30th of July, 2020.

Bob Dixon
Presiding Commissioner

Harold Bengsch
Commissioner 1st District

John Russell
Commissioner 2nd District

ATTEST:

County Clerk Certification

I certify that I am the County Clerk of Greene County, Missouri; that the foregoing document is a true complete, and correct Resolution adopted by the Greene County Commission, Missouri on July 29, 2020, as the same appears in the official records of the County.

IN WITNESS WHEROF, I have executed the Certificate and affixed the seal of the County of Greene, Missouri this 3rd, day of [redacted] 2020.
August

GREENE COUNTY CLERK:

SHANE SCHOELLER

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CURRENT SIREN LOCATION MAP

OEM

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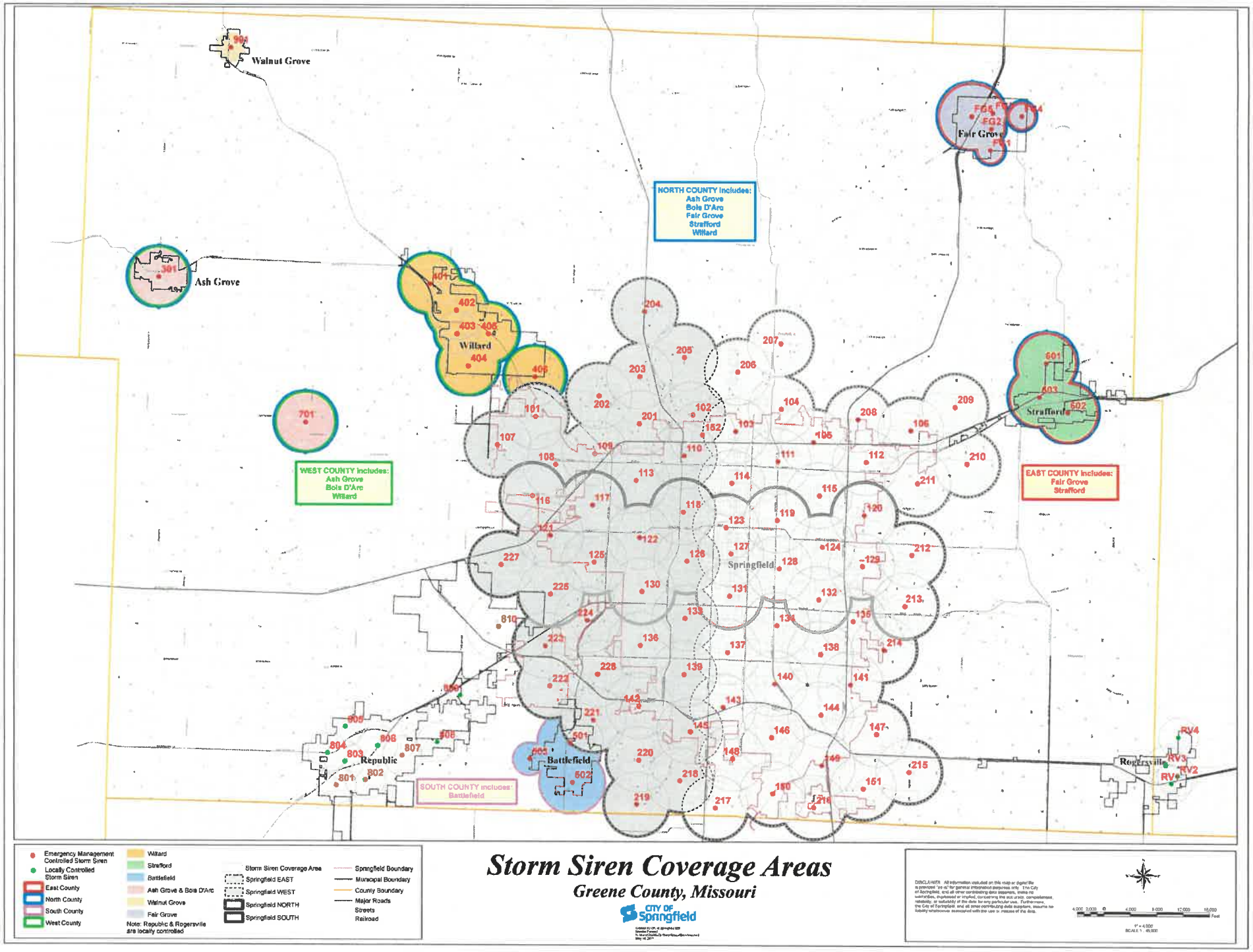

Storm Siren Coverage Areas

Greene County, Missouri

CITY OF Springfield

DISCLAIMER: All information included on this map or digital file is provided "as is" for general informational purposes only. The City of Springfield, and all other contributing data suppliers, make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the data for any particular use. Furthermore, the City of Springfield and all other contributing data suppliers, assume no liability whatsoever associated with the use or misuse of the data.

4,000 2,000 0 4,000 8,000 12,000 16,000 Feet

1" = 4,000
SCALE 1 : 48,000

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PROJECT LOCATION MAPS

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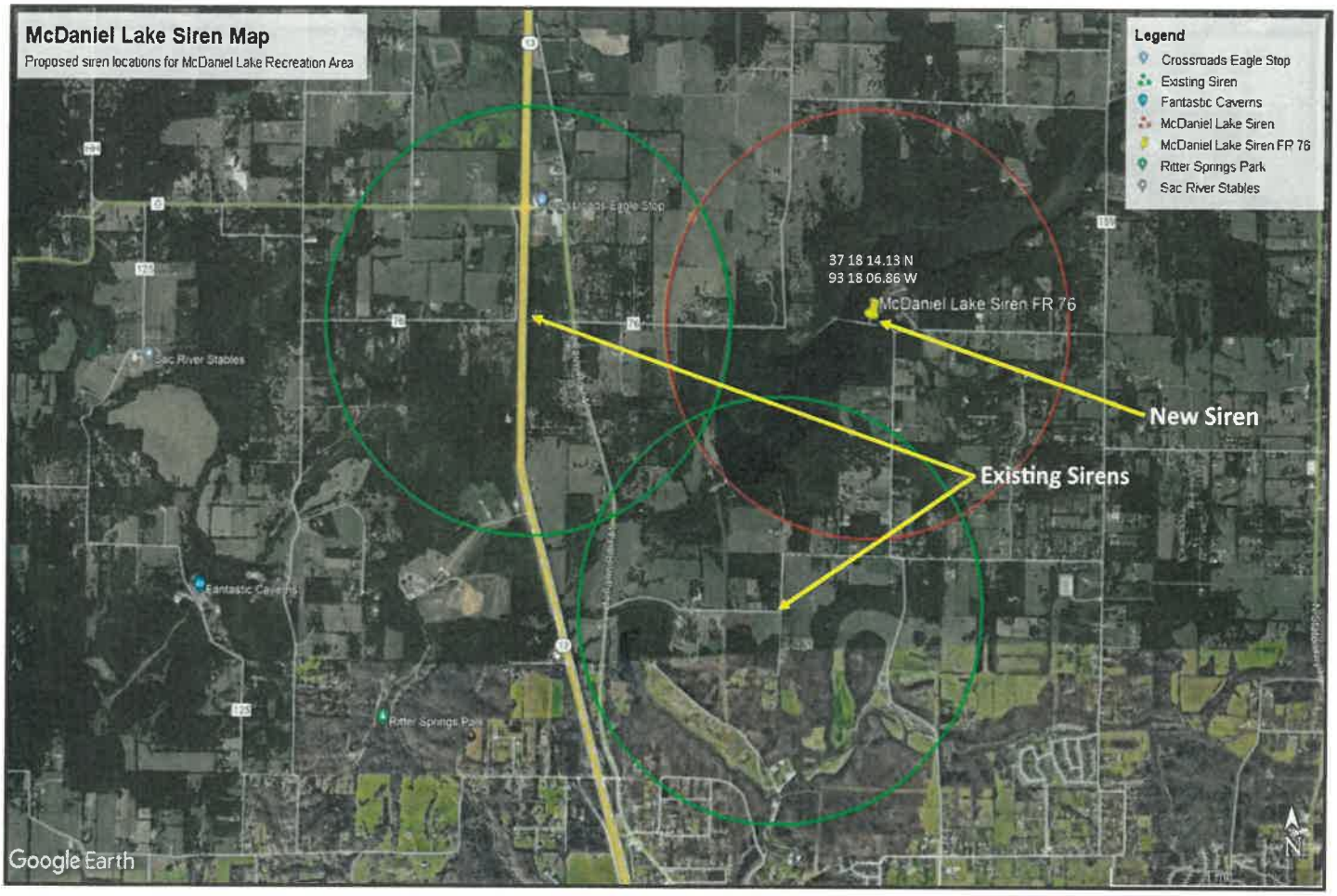
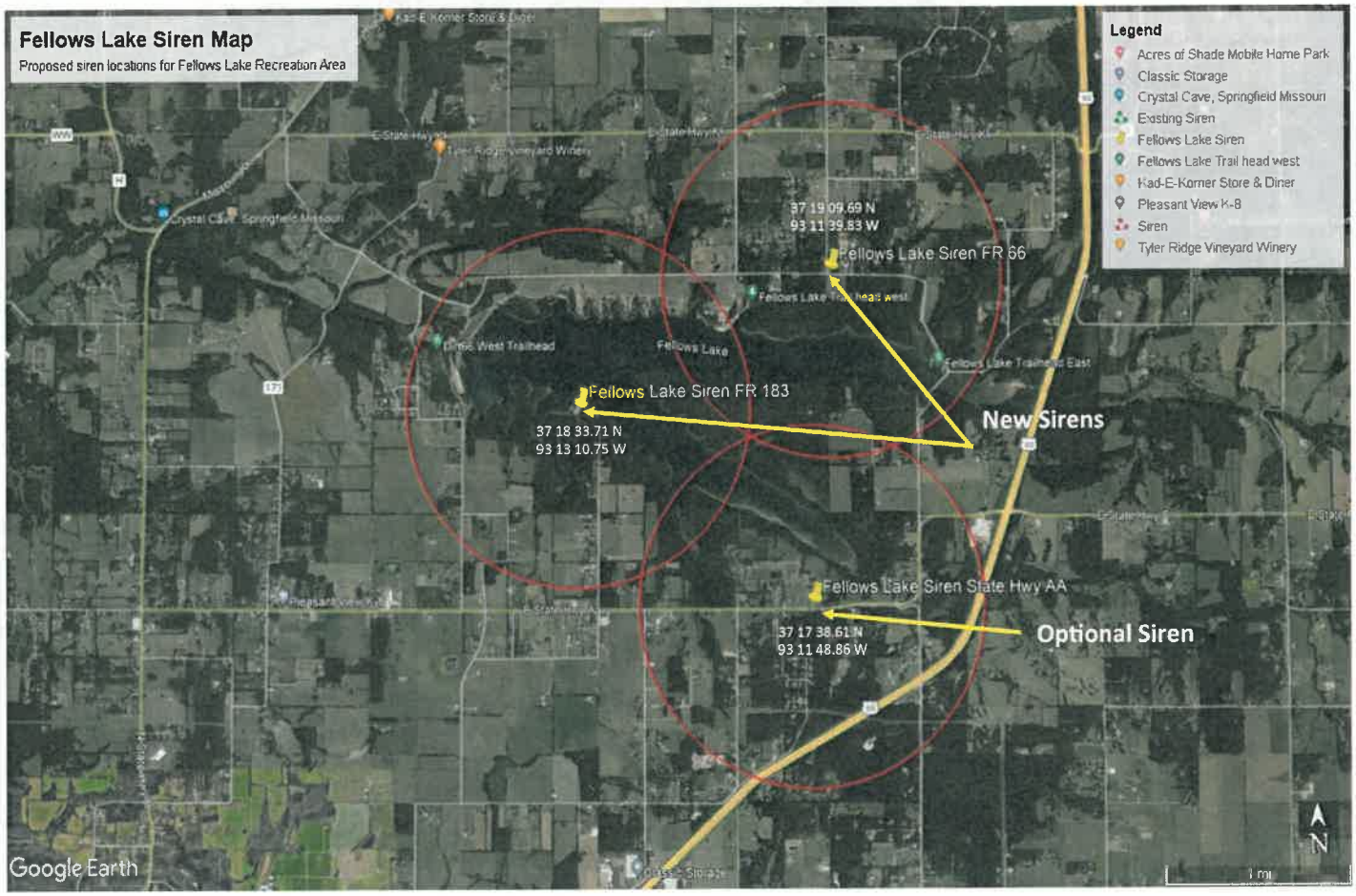
McDaniel Lake Siren



Fellows Lake Sirens



FIRM (MAPS)

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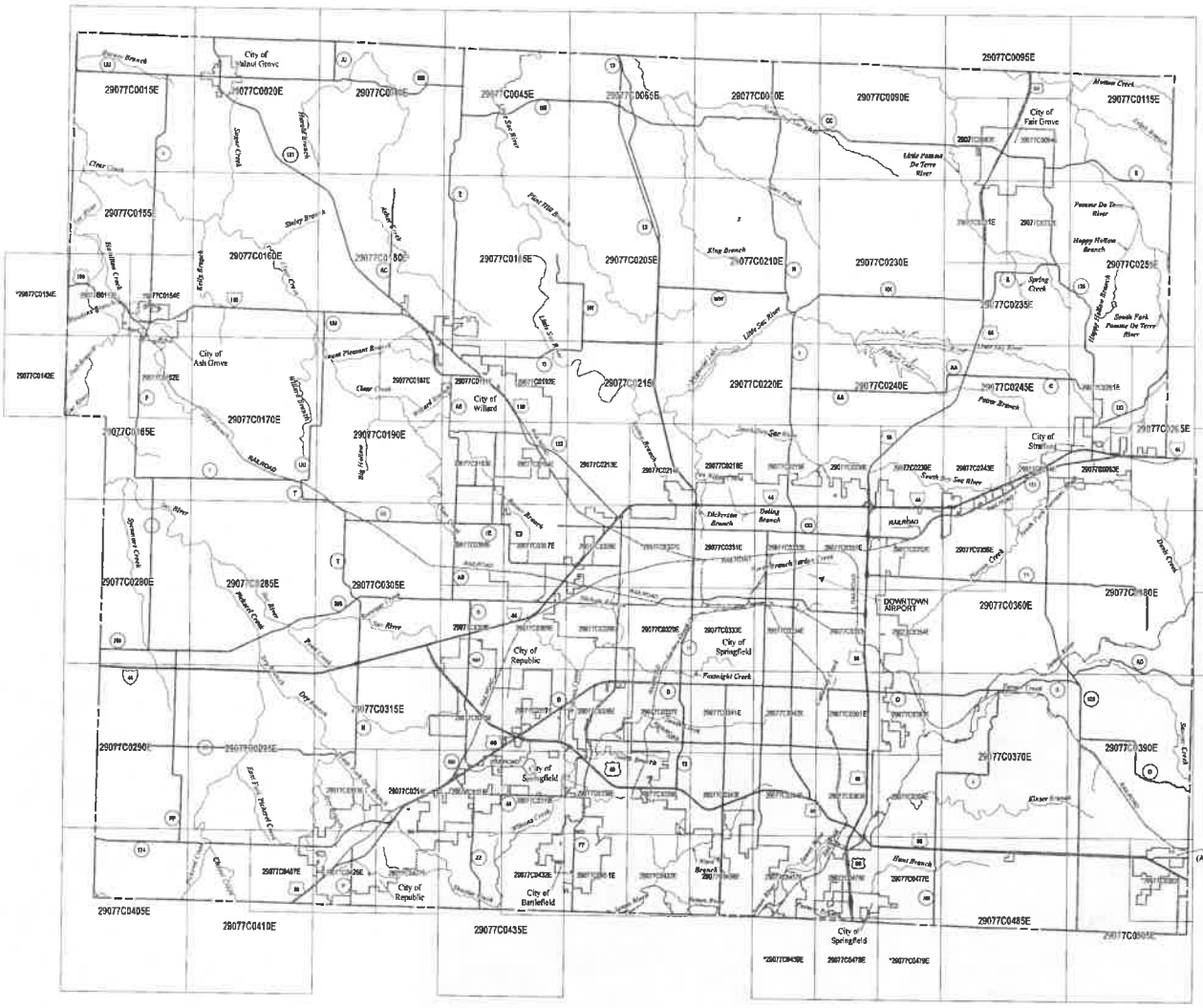

* PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS

NOTE TO USER

Future revisions to this FIRM Index will only be issued to communities that are located on FIRM panels being revised. The FIRM Index therefore remains valid for FIRM panels dated 12/17/2010 or earlier. Please refer to the "MOST RECENT FIRM PANEL DATE" column in the Listing of Communities table to determine the most recent FIRM Index date for each community.

LISTING OF COMMUNITIES

COMMUNITY NAME	COMMUNITY NUMBER	LOCATED ON PANEL(S)	INITIAL FIRM MAP DATE	INITIAL FIRM DATE	MOST RECENT FIRM PANEL DATE
ASH GROVE, CITY OF	290731	0165, 0164, 0162	April 26, 1976	July 16, 1986	December 17, 2010
BATTLEFIELD, CITY OF	290863	0319, 0328, 0432, 0461	December 17, 2010	December 17, 2010	December 17, 2010
FAIR GROVE, CITY OF	290861	0263 0264, 0266, 0261, 0272	December 17, 2010	December 17, 2010	December 17, 2010
GREENE COUNTY	290782	0010, 0020, 0040, 0065, 0070, 0090, 0093, 0094, 0095, 0105, 0134[*], 0142, 0150, 0154, 0155, 0160, 0162, 0166, 0170, 0180, 0185, 0187, 0190, 0191, 0192, 0193, 0194, 0205, 0210, 0213, 0214, 0215, 0218, 0220, 0230, 0231, 0232, 0235, 0238, 0239, 0240, 0243, 0244, 0245, 0255, 0261, 0263, 0265, 0266[*], 0280, 0281, 0285, 0290, 0303, 0305, 0307, 0308, 0309, 0313, 0314, 0315, 0316, 0317, 0318, 0319, 0320, 0327[*], 0328, 0329, 0330, 0337, 0338, 0339, 0343, 0344, 0361, 0362, 0363, 0364, 0366, 0367, 0380, 0381, 0382, 0383, 0384, 0387, 0388, 0391, 0393[*], 0589, 0408, 0417, 0418, 0426, 0427, 0432, 0435, 0451, 0452, 0455, 0462, 0464[*], 0475, 0477, 0478, 0479[*], 0485, 0503[*], 0505	May 2, 1978	June 18, 1983	December 17, 2010
REPUBLIC, CITY OF	290148	0206, 0305, 0308, 0310, 0314, 0318, 0319, 0337, 0361, 0407, 0426, 0427, 0428	April 5, 1974	June 4, 1980	December 17, 2010
SPRINGFIELD, CITY OF	290149	0193, 0194, 0213, 0214, 0218, 0219, 0238, 0239, 0243, 0306, 0307, 0308, 0317, 0318, 0319, 0328, 0327[*], 0329, 0331, 0332, 0333, 0334, 0336, 0337, 0338, 0339, 0341, 0342, 0343, 0344, 0361, 0362, 0363, 0364, 0366, 0381, 0382, 0383, 0384, 0402, 0403, 0407, 0408[*], 0476, 0477, 0478	October 25, 1974	July 3, 1978	December 17, 2010
STRAFFORD, CITY OF	290508	0243, 0244, 0261, 0263, 0265, 0339	December 17, 2010	December 17, 2010	December 17, 2010
* WALNUT GROVE, CITY OF	290849	0209			
WILLARD, CITY OF	290683	0190, 0185, 0187, 0191, 0192, 0193, 0194, 0206	November 5, 1976	August 4, 2003	December 17, 2010

* Panel Not Printed
* Non-Residents

MAP DATES

The FIRM Index displays the map date for each FIRM panel at the time that this Index was printed. Because this Index may not be distributed to unaffected communities in subsequent revisions, users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center (MSC) website at http://msc.fema.gov, or by calling the FEMA Map Information eXchange (FMIX) at 1-877-336-2627.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

MAP REPOSITORIES

(Map available for reference only, not for distribution.)

ASH GROVE, CITY OF:
Ash Grove City Hall
100 West Main
Ash Grove, Missouri 65604

BATTLEFIELD, CITY OF:
Battlefield City Hall
5434 South Tower Drive
Battlefield, Missouri 65619

FAIR GROVE, CITY OF:
Fair Grove City Hall
81 South Orchard Boulevard
Fair Grove, Missouri 65648

GREENE COUNTY (UNINCORPORATED AREAS):
Greene County Courthouse
940 Boonville Avenue
Springfield, Missouri 65802

REPUBLIC, CITY OF:
Republic City Hall
213 North Main
Republic, Missouri 65738

SPRINGFIELD, CITY OF:
Springfield City Hall
840 Boonville Avenue
Springfield, Missouri 65802

STRAFFORD, CITY OF:
Strafford City Hall
126 South Washington
Strafford, Missouri 65757

WILLARD, CITY OF:
Willard City Hall
224 West Jackson
Willard, Missouri 65781

WALNUT GROVE, CITY OF:
Walnut Grove City Hall
101 South Washington
Walnut Grove, Missouri 65770

FIRM Panel Dates For Printed Panels of Greene County, MO and Incorporated Areas

Panel	Effective Date	Panel	Effective Date	Panel	Effective Date	Panel	Effective Date	Panel	Effective Date
0010 G	DECEMBER 17, 2010	0105 G	DECEMBER 17, 2010	0153 G	DECEMBER 17, 2010	0238 G	DECEMBER 17, 2010	0361 G	DECEMBER 17, 2010
0020 G	DECEMBER 17, 2010	0107 G	DECEMBER 17, 2010	0155 G	DECEMBER 17, 2010	0239 G	DECEMBER 17, 2010	0362 G	DECEMBER 17, 2010
0040 G	DECEMBER 17, 2010	0108 G	DECEMBER 17, 2010	0160 G	DECEMBER 17, 2010	0240 G	DECEMBER 17, 2010	0363 G	DECEMBER 17, 2010
0065 G	DECEMBER 17, 2010	0109 G	DECEMBER 17, 2010	0162 G	DECEMBER 17, 2010	0243 G	DECEMBER 17, 2010	0364 G	DECEMBER 17, 2010
0070 G	DECEMBER 17, 2010	0110 G	DECEMBER 17, 2010	0164 G	DECEMBER 17, 2010	0244 G	DECEMBER 17, 2010	0366 G	DECEMBER 17, 2010
0090 G	DECEMBER 17, 2010	0112 G	DECEMBER 17, 2010	0165 G	DECEMBER 17, 2010	0245 G	DECEMBER 17, 2010	0367 G	DECEMBER 17, 2010
0093 G	DECEMBER 17, 2010	0114 G	DECEMBER 17, 2010	0166 G	DECEMBER 17, 2010	0255 G	DECEMBER 17, 2010	0380 G	DECEMBER 17, 2010
0094 G	DECEMBER 17, 2010	0115 G	DECEMBER 17, 2010	0170 G	DECEMBER 17, 2010	0261 G	DECEMBER 17, 2010	0381 G	DECEMBER 17, 2010
0095 G	DECEMBER 17, 2010	0116 G	DECEMBER 17, 2010	0180 G	DECEMBER 17, 2010	0263 G	DECEMBER 17, 2010	0382 G	DECEMBER 17, 2010
0105 G	DECEMBER 17, 2010	0120 G	DECEMBER 17, 2010	0185 G	DECEMBER 17, 2010	0264 G	DECEMBER 17, 2010	0383 G	DECEMBER 17, 2010
0142 G	DECEMBER 17, 2010	0135 G	DECEMBER 17, 2010	0187 G	DECEMBER 17, 2010	0265 G	DECEMBER 17, 2010	0384 G	DECEMBER 17, 2010
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0238 G	DECEMBER 17, 2010	0231 G	DECEMBER 17, 2010	0272 G	DECEMBER 17, 2010	0361 G	DECEMBER 17, 2010		
0239 G	DECEMBER 17, 2010	0232 G	DECEMBER 17, 2010	0280 G	DECEMBER 17, 2010	0362 G	DECEMBER 17, 2010		
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0328 G	DECEMBER 17, 2010	0319 G	DECEMBER 17, 2010	0364 G	DECEMBER 17, 2010	0479 G	DECEMBER 17, 2010		
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0331 G	DECEMBER 17, 2010	0328 G	DECEMBER 17, 2010	0380 G	DECEMBER 17, 2010	0505 G	DECEMBER 17, 2010		
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0338 G	DECEMBER 17, 2010	0330 G	DECEMBER 17, 2010	0382 G	DECEMBER 17, 2010				
0339 G	DECEMBER 17, 2010	0331 G	DECEMBER 17, 2010	0383 G	DECEMBER 17, 2010				

NATIONAL FLOOD INSURANCE PROGRAM

MAP INDEX

FIRM

FLOOD INSURANCE RATE MAP

GREENE COUNTY, MISSOURI

AND INCORPORATED AREAS

MAP INDEX

PANELS PRINTED: 15, 20, 40, 45, 55, 70, 90, 93, 94, 95, 115, 142, 153, 154, 155, 160, 152, 165, 170, 180, 185, 187, 190, 191, 192, 193, 194, 205, 210, 213, 214, 215, 218, 219, 220, 230, 231, 232, 235, 238, 239, 240, 243, 244, 245, 255, 261, 263, 265, 266, 280, 285, 290, 295, 305, 306, 307, 308, 309, 313, 314, 315, 316, 317, 318, 319, 326, 328, 329, 331, 332, 333, 334, 336, 337, 338, 339, 341, 342, 343, 344, 351, 352, 353, 354, 356, 360, 361, 362, 363, 364, 370, 380, 381, 390, 405, 407, 410, 426, 427, 432, 435, 451, 452, 455, 457, 476, 477, 478, 485, 505

MAP NUMBER
29077CIND0A

EFFECTIVE DATE
DECEMBER 17, 2010

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was State Plane Missouri Central Zone 2402. The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided in digital format by Greene County and the City of Springfield, produced at a scale of 1:24000 dated 2001.

Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations and topography. Road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

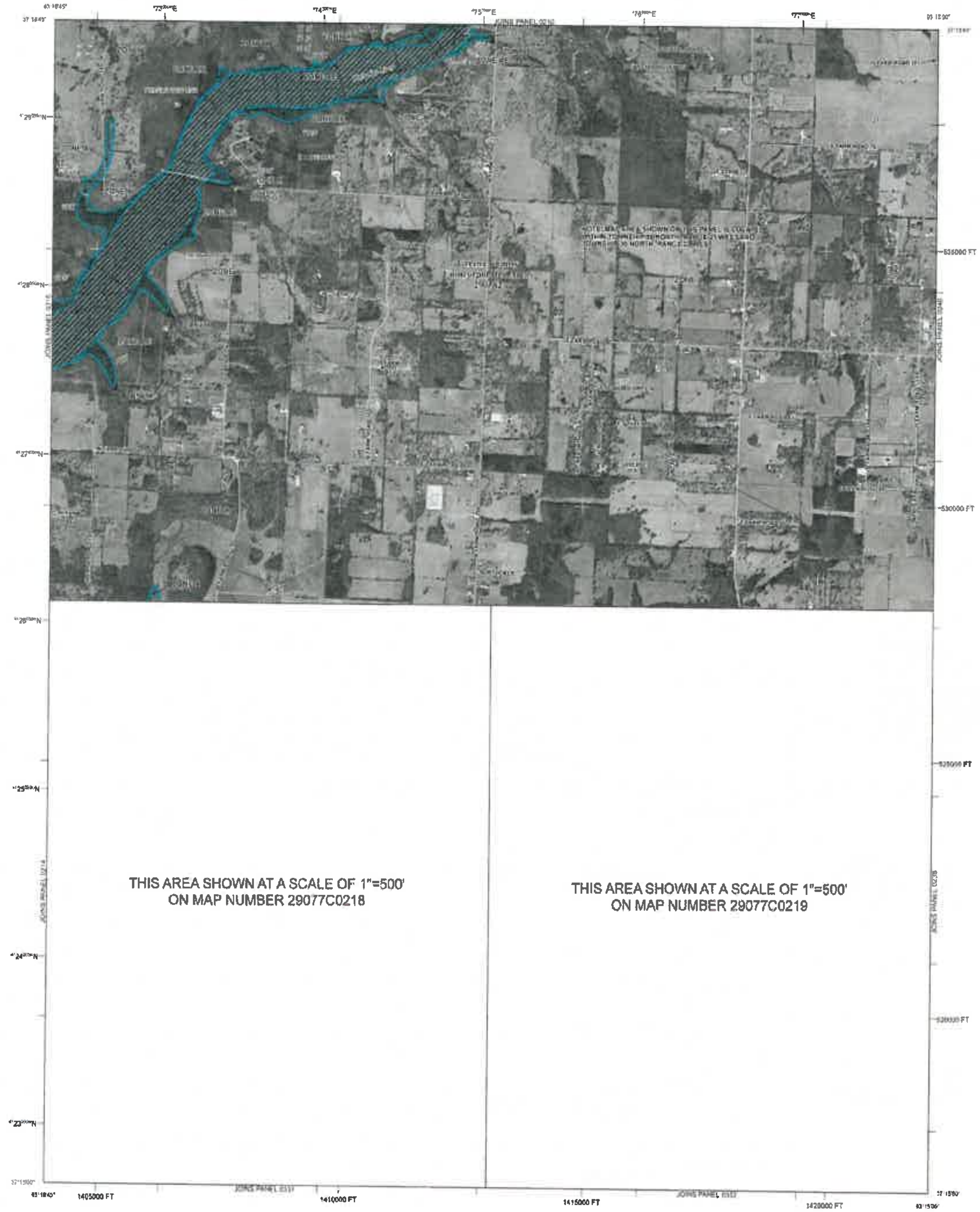
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the FEMA Map Service Center at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a *Flood Insurance Study report*, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov/.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

The "profile base lines" depicted on this map represent the hydraulic modeling baselines that match the distances indicated on the Flood Profiles and Floodway Data Tables in the FIS report. Because of improved topographic data, the "profile base lines", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
513 — Base Flood Elevation line and value; elevation in feet*
(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*
* Referenced to the North American Vertical Datum of 1988
A—A — Cross section line
23- - -23 — Transect line
97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere
4275000mE — 1000-meter Universal Transverse Mercator grid ticks, zone 15
6000000 FT — 5000-foot grid values: Missouri State Plane coordinate system, Central zone (FIPSZONE = 2402), Transverse Mercator
DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
• M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
December 17, 2010

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

500 0 500 1,000 1,500 2,000 FEET
[illegible] METERS

NFIP — NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0220E

FIRM
FLOOD INSURANCE RATE MAP
GREENE COUNTY, MISSOURI
AND INCORPORATED AREAS

PANEL 220 OF 506
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
GREENE COUNTY	290782	0220	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER 29077C0220E

EFFECTIVE DATE DECEMBER 17, 2010

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was State Plane Missouri Central Zone 2402. The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided in digital format by Greene County and the City of Springfield, produced at a scale of 1:24000 dated 2001.

Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations and topography. Road to floodplain relationships for unmapped streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the FEMA Map Service Center at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov/.

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LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are typically located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A: Cross section line
- 23 — 22: Transect line
- 97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4739000FE — 1000-Meter Universal Transverse Mercator grid ticks, zone 15
- 6000000 FT — 5000-foot grid values: Missouri State Plane coordinate system, Central Zone (FIPSZONE = 2402), Transverse Mercator
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M 51.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
December 17, 2010

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0215E

FIRM
FLOOD INSURANCE RATE MAP
GREENE COUNTY, MISSOURI
AND INCORPORATED AREAS

PANEL 215 OF 505
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
GREENE COUNTY	290775	0215	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
29077C0215E

EFFECTIVE DATE
DECEMBER 17, 2010

Federal Emergency Management Agency

NOTES TO USERS

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Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was State Plane Missouri Central Zone 2402. The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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The "profile base lines" depicted on this map represent the hydraulic modeling baselines that match the distances indicated on the Flood Profiles and Floodway Data Tables in the FIS report. Because of improved topographic data, the "profile base lines", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	1% annual chance floodplain boundary
	0.2% annual chance floodplain boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
~~ 513 ~~~	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

(A)———(A)	Cross section line
(23)- - - -(23)	Transect line
97°07'30", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
$^{42}75^{000m}$E	1000-meter Universal Transverse Mercator grid ticks, zone 15
6000000 FT	5000-foot grid values: Missouri State Plane coordinate system, Central Zone (FIPSZONE = 2402), Transverse Mercator
DX5510	Bench mark (see explanation in Notes to Users section of this FIRM panel)
• M1.5	River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
December 17, 2010

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

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MAP SCALE 1" = 1000'

500 0 500 1,000 1,500 2,000 FEET
300 0 300 600 METERS

NFIP

PANEL 0230E

FIRM
FLOOD INSURANCE RATE MAP
GREENE COUNTY, MISSOURI
AND INCORPORATED AREAS

PANEL 230 OF 506

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
GREENE COUNTY	290782	0230	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER 29077C0230E

EFFECTIVE DATE DECEMBER 17, 2010

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

NOTES TO USERS

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Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

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NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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THIS AREA SHOWN AT A SCALE OF 1"=500' ON MAP NUMBER 29077C0231

THIS AREA SHOWN AT A SCALE OF 1"=500' ON MAP NUMBER 29077C0232

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.

513 — Base Flood Elevation line and value; elevation in feet*

(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

(A)——(A) Cross section line

23————23 Transect line

97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

4275000 FT — 1000-meter Universal Transverse Mercator grid values, zone 15

5000000 FT — 5000-foot grid values: Missouri State Plane coordinate system, Central Zone (FIPSZONE = 2402), Transverse Mercator

DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)

• M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
December 17, 2010

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0235E

FIRM

FLOOD INSURANCE RATE MAP

GREENE COUNTY, MISSOURI

AND INCORPORATED AREAS

PANEL 235 OF 506

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
GREENE COUNTY	290779	0235	E

*Note to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
29077C0235E

EFFECTIVE DATE
DECEMBER 17, 2010

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was State Plane Missouri Central Zone 2402. The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on the FIRM was provided in digital format by Greene County and the City of Springfield, produced at a scale of 1:24000 dated 2001.

Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations and topography. Road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

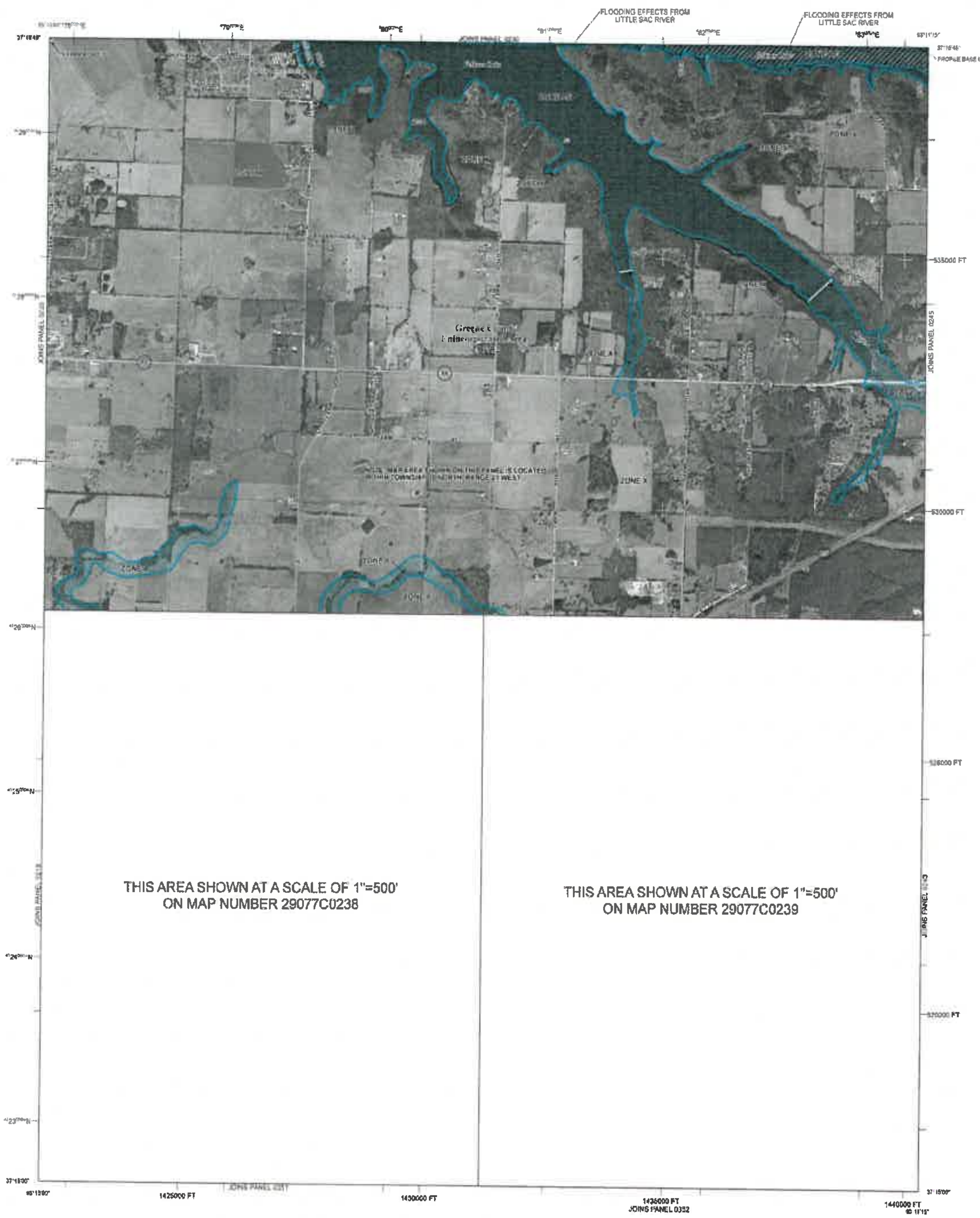
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the FEMA Map Service Center at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a *Flood Insurance Study* report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov/.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

The "profile base lines" depicted on this map represent the hydraulic modeling baselines that match the distances indicated on the Flood Profiles and Floodway Data Tables in the FIS report. Because of improved topographic data, the "profile base lines", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.

~~ 513 ~~~	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

(A)——(A)	Cross section line
(23)- - -(23)	Transect line
97°07'30", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
4275000mE	1000-meter Universal Transverse Mercator grid ticks, zone 15
6000000 FT	5000-foot grid values: Missouri State Plane coordinate system, Central Zone (FIPSZONE = 2402), Transverse Mercator
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
• M1.5	River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
December 17, 2010

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

500 0 500 1,000 1,500 2,000 FEET
300 0 300 600 METERS

NFIP

PANEL 0240E

FIRM
FLOOD INSURANCE RATE MAP
GREENE COUNTY, MISSOURI
AND INCORPORATED AREAS

PANEL 240 OF 506
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
GREENE COUNTY	290782	0240	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER 29077C0240E

EFFECTIVE DATE DECEMBER 17, 2010

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

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Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

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National Geodetic Survey
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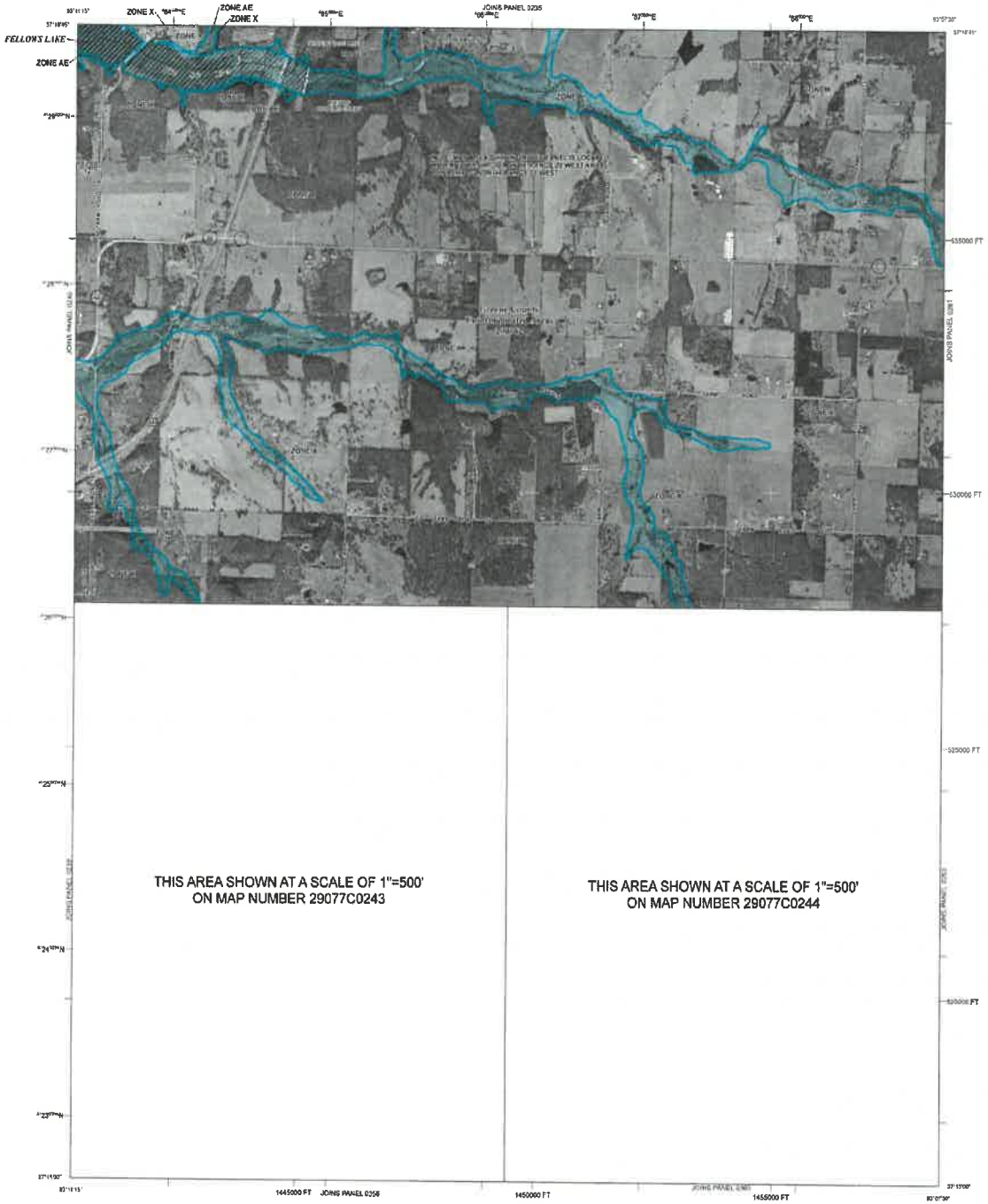

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

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ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

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OTHERWISE PROTECTED AREAS (OPAs)

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1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities

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(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

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(23) — (23) Transect line

97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western hemisphere

4775000m E — 1000-meter Universal Transverse Mercator grid values, zone 15

6000000 FT — 5000-foot grid values: Missouri State Plane coordinate system, Central Zone (FIPSZONE = 2402), Transverse Mercator

DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)

• M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
December 17, 2010

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

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MAP SCALE 1" = 1000'

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0245E

FIRM

FLOOD INSURANCE RATE MAP

GREENE COUNTY, MISSOURI

AND INCORPORATED AREAS

PANEL 245 OF 506

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
GREENE COUNTY	290780	0245	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
29077C0245E

EFFECTIVE DATE
DECEMBER 17, 2010

Federal Emergency Management Agency

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PROJECT COST ESTIMATE

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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@greenecountymo.gov
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.

Quotation No.: ANS 901221356
Please reference quote no. on your order
Date Quoted: 9/1/22

Item No.	Qty.	Model/Part No.	Description	Unit Price	Total
Electro-Mechanical Siren Equipment					
1	1	2001-130	ELECTRO-MECHANICAL ROTATING SIREN, 130 DB(C) 800HZ	$ 10,143.00	$ 10,143.00
2	1	FCTBDH	FEDERAL CONTROLLER, 2-WAY, HIGH BAND, DIGITAL	$ 6,132.00	$ 6,132.00
3	1	SMV-FP	Include Faceplate on Kenwood Radios	$ 300.00	$ 300.00
4	1	SMV	UPGRADE TO ACFCTBDH	$ 750.00	$ 750.00
5	1	2001-AC	SIREN CONTROL, 2001AC	$ 3,448.00	$ 3,448.00
6	1	OMNI-4	ANTENNA, 152-156MHZ VHF	$ 457.00	$ 457.00
7	1	AMB-P	ANTENNA MOUNTING BRACKET, POLE	$ 154.00	$ 154.00
				Total Equipment	**$ 21,384.00**
Shipping					
8	1	ES-FREIGHT - Z1	Shipping Fees		$ 928.53
Services					
9	1	TK-I-2001AC-Z2	2001 / Equinox / 508 / Eclipse-8 AC Only Standard Installation 50' Class 2 Wood Pole	$ 6,960.00	$ 6,960.00
10	1	TK-S-CPSYSOP-CU	System Optimization of 1 Activation-Control Pt, CUSTOM	$ 600.00	$ 600.00
11	1	TK-PO-CDB1	Pole, Concrete, Direct Burial, Standard, 40' Mount Ht	$ 6,300.00	$ 6,300.00
12	1	TK-PO-CONCDBINS	Pole, Concrete, Direct Burial, Installation	$ 1,785.00	$ 1,785.00
				Total Services	**$ 15,645.00**
				Total of Project	**$ 37,957.53**
Options					
13	1	BV-TRAFFIC	Traffic Control, if required	$ 750.00	$ 750.00
14	1	BV-Permit	Cost associated with electrical inspections / permits, if required	$ 1,250.00	$ 1,250.00
15	1	TK-IO-CUSREMOV	Removal Services, Custom	$ 945.00	$ 945.00
16	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 by Buyer of all Terms stated in the attached Terms document, 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. 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 Safety & Security Systems Group, Federal Signal Corporation. Installation is not included unless specifically quoted as a line item above. 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 a pole, will result in a $385.00 per hour fee, plus equipment. Trenching is additional. Power Clause, bringing power to the equipment is the responsibility of the purchaser. Permit Clause, any special permits, licenses or fees will be additional. See attached Terms sheet.

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 forcast what landscaping, seeding or backfilling will be required to restore a site. It is recomended to keep sites within 15' of a paved surface so as to avoid damage to landscaping at the time of installation and for future service.
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 a pole, will result in a $385.00 per hour fee, plus equipment.
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 A. Wieduwilt
Company: Blue Valley Public Safety Inc.
Address: P.O. Box 363 - 509 James Rollo Dr.

Delivery: 12-16 weeks
Freight Terms: FOB University Park
Terms:

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

City,State, Zip: Grain Valley, MO 64029
Country: USA
Work Phone 1-800-288-5120
Fax: 816-847-7513
Approved By: Brian Cates
Title: General Manager

Brian Cates
Signature

Equipment, Net 30 Days upon receipt
Services, Net 30 Days as completed, billed monthly. Net 30 will not be held for installations.

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@greenecountymo.gov
Notes: Delivery schedule cannot be established until radio information is supplied, if applicable.

Quotation No.: FWS 901221356
Please reference quote no. on your order
Date Quoted: 9/1/22

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

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

Quotation No.: FWS 901221356

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 Informers 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.

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(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 contaminates. Buyer must inform FSC when known or suspected soil contaminates 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 pre-arranged 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.

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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@greenecountymo.gov
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.

Quotation No.: ANS 901221351
Please reference quote no. on your order
Date Quoted: 9/1/22

Item No.	Qty.	Model/Part No.	Description	Unit Price	Total
Electro-Mechanical Siren Equipment					
1	2	2001-130	ELECTRO-MECHANICAL ROTATING SIREN, 130 DB(C) 800HZ	$ 10,143.00	$ 20,286.00
2	2	FCTBDH	FEDERAL CONTROLLER, 2-WAY, HIGH BAND, DIGITAL	$ 6,132.00	$ 12,264.00
3	2	SMV-FP	Include Faceplate on Kenwood Radios	$ 300.00	$ 600.00
4	2	SMV	UPGRADE TO ACFCTBDH	$ 750.00	$ 1,500.00
5	2	2001-AC	SIREN CONTROL, 2001AC	$ 3,448.00	$ 6,896.00
6	2	OMNI-4	ANTENNA, 152-156MHZ VHF	$ 457.00	$ 914.00
7	2	AMB-P	ANTENNA MOUNTING BRACKET, POLE	$ 154.00	$ 308.00
				Total Equipment	**$ 42,768.00**
Shipping					
8	1	ES-FREIGHT - Z1	Shipping Fees		$ 1,857.06
Services					
9	2	TK-I-2001AC-Z2	2001 / Equinox / 508 / Eclipse-8 AC Only Standard Installation 50' Class 2 Wood Pole	$ 6,960.00	$ 13,920.00
10	2	TK-S-CPSYSOP-CU	System Optimization of 1 Activation-Control Pt, CUSTOM	$ 600.00	$ 1,200.00
11	2	TK-PO-CDB1	Pole, Concrete, Direct Burial, Standard, 40' Mount Ht	$ 6,300.00	$ 12,600.00
12	2	TK-PO-CONCDBINS	Pole, Concrete, Direct Burial, Installation	$ 1,785.00	$ 3,570.00
				Total Services	**$ 31,290.00**
				Total of Project	**$ 75,915.06**
Options					
13	2	BV-TRAFFIC	Traffic Control, if required	$ 750.00	$ 1,500.00
14	2	BV-Permit	Cost associated with electrical inspections / permits, if required	$ 1,250.00	$ 2,500.00
15	2	TK-IO-CUSREMOV	Removal Services, Custom	$ 945.00	$ 1,890.00
16	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 by Buyer of all Terms stated in the attached Terms document, 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. 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 Safety & Security Systems Group, Federal Signal Corporation. Installation is not included unless specifically quoted as a line item above. 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 a pole, will result in a $385.00 per hour fee, plus equipment. Trenching is additional. Power Clause, bringing power to the equipment is the responsibility of the purchaser. Permit Clause, any special permits, licenses or fees will be additional. See attached Terms sheet.

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 forcast what landscaping, seeding or backfilling will be required to restore a site. It is recomended to keep sites within 15' of a paved surface so as to avoid damage to landscaping at the time of installation and for future service.
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 a pole, will result in a $385.00 per hour fee, plus equipment.
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 A. Wieduwilt
Company: Blue Valley Public Safety Inc.
Address: P.O. Box 363 - 509 James Rollo Dr.

Delivery: 12-16 weeks
Freight Terms: FOB University Park
Terms:

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City,State, Zip: Grain Valley, MO 64029
Country: USA
Work Phone 1-800-288-5120
Fax: 816-847-7513
Approved By: Brian Cates
Title: General Manager

Brian Cates
Signature

Equipment, Net 30 Days upon receipt
Services, Net 30 Days as completed, billed monthly. Net 30 will not be held for installations.

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@greenecountymo.gov
Notes: Delivery schedule cannot be established until radio information is supplied, if applicable.

Quotation No.: FWS 901221351
Please reference quote no. on your order
Date Quoted: 9/1/22

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

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Quotation No.: FWS 901221351

SALES AGREEMENT

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(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 pre-arranged 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.

FEDERAL SIGNAL

Model 2001-130 and Equinox

High Power, Directional Rotating Siren

The Federal Signal 2001-130 and Equinox sirens 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:[1]
Sirens can be powered from 120VAC, 240VAC, with battery back-up or battery operation. Solar powering can also be provided

Signal Information:	**2001-130**	**Equinox**
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
Coverage:[2]	**2001-130**	**Equinox**
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

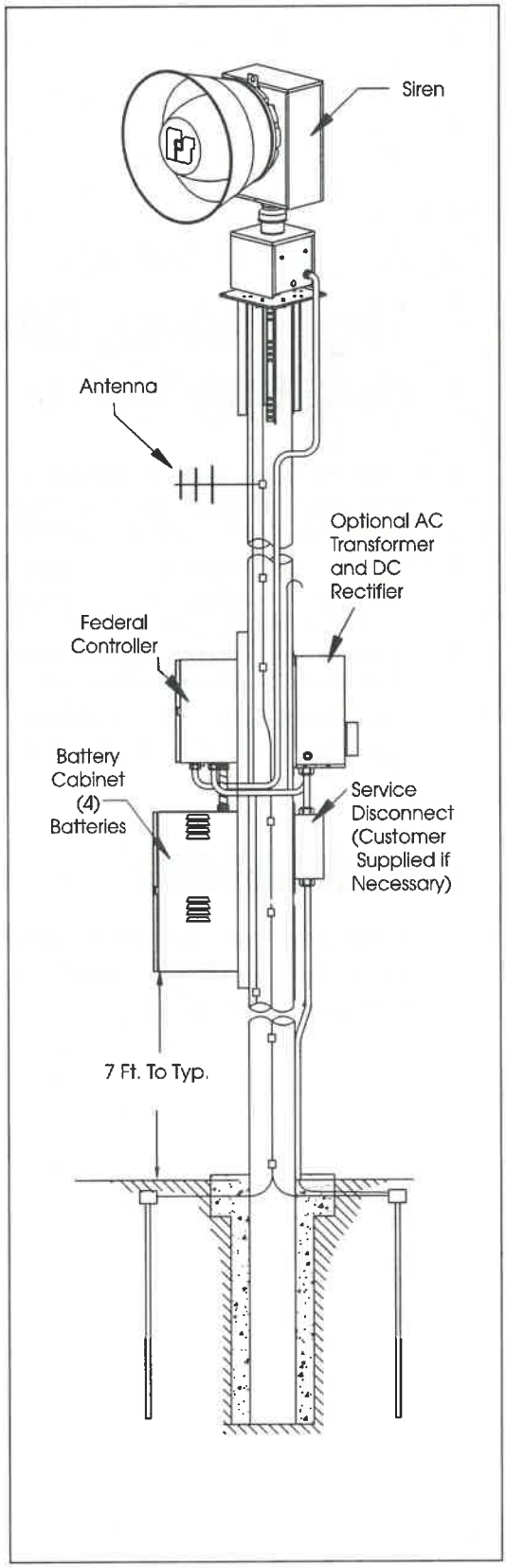
Communications:
Federal Signal can supply one-way and two-way communications. Radio, IP, Landline, Satellite and Cellular can be combined to provide a robust alerting solution

Operating Temperature:[3]	-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[4]**
Two-way FC Controller, 120VAC to battery operation	**DCFCTBD/H/U[4]**
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[5]**

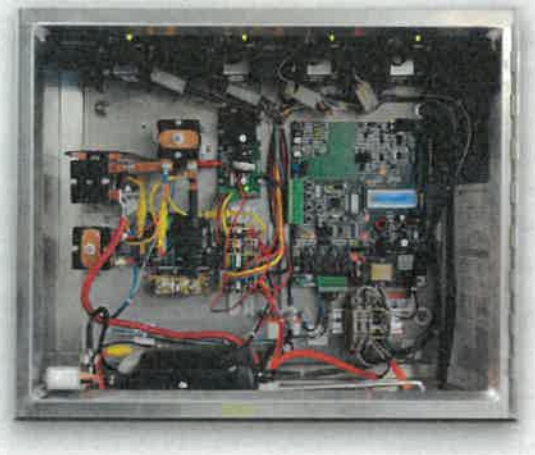


[1] Contact Federal Signal for powering options
[2] Actual coverage is dependent on many factors, contact Federal Signal for sound analysis of your specific location
[3] The siren can operate throughout this temperature range provided that battery temperature is maintained at 18°C or higher
[4] Batteries not included
[5] See product page for additional information

DCFCTBD DC Two-Way Digital Controller

Features

- **Two-way siren controller for 48VDC sirens**
- **Two-way radio control and status monitoring**
- **AFSK two-way signaling format**
- **Simultaneous single-tone, two-tone sequential, and DTMF, EAS, and POCSAG decoding.**
- **Push buttons for local activation**
- **UL Listed for general signaling**



The Federal Signal DCFCTBD is a two-way digital, battery-operated status monitoring siren controller for use with the Federal Signal 2001-130 siren, 508-128, Equinox and Eclipse[8] siren series. The controller interfaces with an off-the-shelf two-way radio transceiver and communicates to the base control via AFSK signaling. In addition to AFSK, the controllers will simultaneously decode any combination of single-tone, two-tone sequential, DTMF, POCSAG and EAS formats for activation. This makes the two-way controller compatible with virtually any existing siren control system.

All DCFCTBD models come equipped with four independent relay outputs that can be programmed to activate with various codes. There are four landline inputs and four local push buttons for activation, plus reset. Activation codes, relay timing, and optional warning sounds are programmed into the unit through a standard RS232 serial port or over-the-air from the central control point.

The DCFCTBD offers six user programmable functions in addition to the five pre-set functions: arm, disarm, report, growl test and master reset. The controller includes the necessary sensors and wiring to supply information on the following areas of operation: AC power status, communications status, low battery status, intrusion, siren activation, current intrusion, siren rotation and local activation.

DATA SHEET

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

DCFCTBD DC Two-Way Digital Controller

Specifications

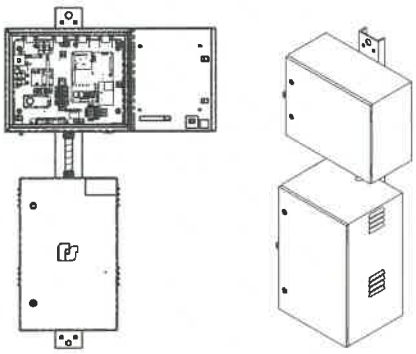
Electrical	
AC supply voltage	120 VAC @ 4.0 Amps 240VAC @ 2.0 Amps
Current Draw	+/- 10%, 50/60 Hz, maximum standby current
Power Supply	6A @ 13.3VDC
Battery Backup	48VDC
Current Draw	< .2 Amps in standby
Serial Ports	
Serial Port Protocol	RS232C 1200, N, 8, 1
Transceiver	
Programmable Frequency	Power Out and Private Line options. For further details, consult the Vertex® product manual.
Signaling Format	
AFSK	1200 baud, MSK (Minimum Shift Key) modem type Usable decode sensitivity: 12dB SINAD (min.)
DTMF	3-12 standard DTMF characters
Two-Tone Sequential	
Frequency Range	282 Hz - 3000 Hz (non-CTCSS) 400 Hz - 3000 Hz (CTCSS)
Tone Timing	.5 sec - .25 sec min., 8 sec max
Intertone Gap	400ms (maximum)
Tone Accuracy	+/- 1.5%
Tone Spacing	5.0% preferred, 3% min.
Single Tone	
Frequency Range	282 Hz - 3000 Hz
Tone Timing	0.5 sec. - 8 sec maximum
Tone Accuracy	+/- 1.5%
Tone Spacing	5.0% preferred, 3% min.
EAS	Supports standard EAS codes and wildcards
POCSAG	Supports binary AFSK 512 Baud numeric messages.
Relay Outputs	
4 relay outputs	SPST
Contact Rating	(4 relays standard) 5A @ 28VDC – 5A @ 240VAC
Audio Output	
Output Voltage	>2V Peak to Peak
Maximum Load	8 Ohms
Total Harmonic Distortion	<10% @ 1kHz Sinewave
Environmental	
Operating Temperature	-30°C to 65°C

Controller Dimensions (with battery cabinet)	
HxWxD	62.5"x 23.5"x 16.94" (1588mm x 597mm x 430mm) NEMA 4X Rated
Battery Cabinet Dimensions	
HxWxD	18"x 28"x 15.19" (457mm x 711mm x 386mm) Vented NEMA 4X Rated
Shipping Weight	
Approx. Shipping Weight	300 lbs. (136.36 kg)
Actual Weight	234 lbs. (106.3 kg)
2001TR: AC Primary Operation	
Operating Voltage	208/220/240 VAC single phase
Current Requirements	30 Amps (approx.)
Dimensions	23"x11"x10" (584mm x 279mm x 254mm)
Product Weight	150 lbs. (68.2 kg)
Order information	
DCFCTBD[1,2]	Two-way Federal Controller
DCFCTBDH[1,2]	Two-way Federal Controller, high band 136-174 MHz
DCFCTBDU[1,2]	Two-way Federal Controller, UHF band 403-470 MHz
DCFCTBD-IP[1,3]	IP-enabled two-way electro-mechanical controller
Options	
FSPWARE	Federal Programming Software (Non-Digital Applications)
SFCDWARE	Federal Commander Digital Software (See literature for details)
Q-DC-IP[1,3]	Retrofit kit to upgrade existing controller to IP
ES-PROG-DTMF	Two-Way DTMF Programming

[1] For use with 2001-130 and Eclipse® siren series.

[2] Antenna and cable are not included with radio activation control and must be ordered separately.

[3] Broadband radio and SmartMsg software sold separately.



FEDERAL SIGNAL
Safety and Security Systems
Protecting people and our planet

QUALITY SYSTEM CERTIFICATION ISO 9001:2008 DNV

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