



City of Grand Island

Tuesday, January 12, 2010

Council Session

Item G10

#2010-8 - Approving Revised Hazard Mitigation Grant Application

Staff Contact: Jon Rosenlund

Council Agenda Memo

From: Jon Rosenlund, Emergency Management Director

Meeting: January 12, 2010

Subject: Hazard Mitigation Grant - Sirens

Item #'s: G-10

Presenter(s): Jon Rosenlund, Emergency Management Director

Background

Hall County Emergency Management operates and maintains 38 outdoor warning sirens to alert the public of dangerous weather and other hazards. The vast majority of these devices (27 remaining) were installed between 1979 and 1981. These devices have an anticipated life span of 30 years, and existing sirens are already failing at a rate of almost 1-2 annually over the past few years.

Unfortunately, many repair parts are no longer available for these older models. Sirens which fail are replaced at significant cost on a case-by-case basis. In the past, the Emergency Management Department has planned to replace two sirens a year, as necessary. However, the department anticipates a windfall of future siren failures as these devices reach and exceed their 30-year life-span. Local funds are not likely to be sufficient to keep up with the anticipated number of replacements needed.

A previous grant application was authorized by Resolution 2009-283 in October 2009. However, NEMA subsequently instructed the Emergency Management Department to trim the project from a three-year project into a one year project according to FEMA guidance. Therefore, the Department has modified this grant to accomplish the first year only, and intends to apply for further assistance to complete the project in years two and three.

Discussion

The FEMA Hazard Mitigation Grant Program (HMGP) provides grants to States and local governments to implement long-term hazard mitigation measures after a major disaster declaration. The purpose of the HMGP is to reduce the loss of life and property due to natural disasters and to enable mitigation measures to be implemented during the

immediate recovery from a disaster. The HMGP is authorized under Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act.

The HMGP Grant funds up to 75% of approved projects with a local match of 25%. The Department has funds budgeted for one siren in Capital Outlay and plans to use these funds as the 25% matching funds.

The Emergency Management Department, working with NEMA, has identified the need to replace twelve (12) sirens, four at a time, over a period of three years to meet this looming problem. Eleven (11) of the sirens will replace older models while one will be installed as an expansion to the current system (see table below). Siren replacement costs are typically \$14,000 to 15,000 for each device. Sirens will be installed in the communities of Grand Island, Wood River, Alda, Cairo, and Doniphan.

Each of these new sirens have a considerably larger effective radius of 70dB estimated at 6200 feet in all directions. Sirens listed to be replaced have much smaller radii, such as 1600 feet. This will allow fewer sirens to serve the community and can lead to lower utility costs over the long term (see attached pdf map).

Hall County Siren Repair List (All needed replacements)					
<u>Siren #</u>	<u>Description</u>	<u>Installed Year</u>	<u>Latitude / Longitude</u>	<u>Current 70dB Radius (ft)</u>	<u>New 70dB Radius (ft)</u>
1	Alda, Village of North - Vine Street - North of Highway 30	1981	N40 52.227 W98 28.054	1600	6200
3	Cairo, Village of - 300 South High St.- Behind Senior Citizen Center	1981	N41 00.023 W98 36.474	1600	6200
4	Doniphan, Village of - Fire Station	1981	N40 46.406 W98 22.181	1600	6200
5	Wood River - Central - 100 West 10th St - Fire Station	1979	N40 49.297 W98 36.123	3200	6200
13	Anna & Broadwell - 1700 Block of West Anna (Alley City Property)	1981	N40 54.724 W98 21.189	3200	6200
15	Ryder Park - 2700 West North Front St	1979	N40 55.221 W98 22.327	3200	6200
16	3436 South Locust - Across from Walmart	1981	N40 53.138 W98 20.398	1600	6200
18	4th Street & Congdon - 1500 E 4th St.	1981	N40 56.088 W98 19.603	3200	6200
19	1800 Block of N Hancock (Just North of Kingston & Hancock)	1981	N40 56.238 W98 22.409	3200	6200
27	Highway 281 & Capital Avenue Northwest Corner	1981	N40 56.803 W98 23.038	1600	6200
31	Starr School - 315 Wyandott - On School Property		N40 53.858 W98 20.451	1600	6200
New	US 281 & Wood River Road (I-80 /Mormon Island Campground)	N/A	TBD	N/A	6200

Following FEMA and NEMA guidance, this project will be split into three independent phases, each for the term of one year and each with its own independent grant application. This first phase will concentrate on the following sirens:

Hall County Siren Installation List (Year One)					
<u>Siren #</u>	<u>Description</u>	<u>Installed Year</u>	<u>Latitude / Longitude</u>	<u>Current 70dB Radius (ft)</u>	<u>New 70dB Radius (ft)</u>
3	Cairo, Village of - 300 South High St.- Behind Senior Citizen Center	1981	N41 00.023 W98 36.474	1600	6200
16	3436 South Locust - Across from Walmart	1981	N40 53.138 W98 20.398	1600	6200
19	1800 Block of N Hancock (Just North of Kingston & Hancock)	1981	N40 56.238 W98 22.409	3200	6200
New	US 281 & Wood River Road (I-80 Interchange/Mormon Island Campground)	N/A	TBD	N/A	6200

Subsequent phases of this project will require additional grant applications, per guidance by FEMA and NEMA.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council

Sample Motion

Move to approve.

NEBRASKA EMERGENCY MANAGEMENT AGENCY

Hazard Mitigation Grant Program (HMGP)

PROJECT APPLICATION

I. Applicant Information

Date: Aug 10 2009

☒ New Application ☐ Revised Application

A. Multi-Hazard Local Mitigation Plan (LMP) Status: Approved

IF Approved:

- a) Plan Type: Local Mitigation Plan
- b) Date of Approval by FEMA: 11/13/2008
- c) Provide the location in the LMP (Section and Page Number(s)) that demonstrates the proposed project is in conformance with the LMP: Section 2.35, Pg. 28
- d) Describe how the proposed project conforms with the LMP: Project replaces older and inoperable sirens.

B. Project Title: Siren Replacement

Name of Applicant: Hall County/Grand Island Emergency Management County or Counties: Hall

C. Applicant Type: Local Government Type of Application: Non Construction Project

Private Non-Profit entities must meet the criteria defined in 44 CFR 206.221(e).

☐ Attach a copy of an Internal Service Revenue (IRS) ruling letter that grants tax exemption under Section 501 (c), (d), or (e), or a State certification under State law, of non-profit status.

☐ If an educational facility, attach a copy of the facility admission policy.

Recognized Indian Tribe or Organization Tribal Identification Number: _____

☐ Attach proof of tribal eligibility

D. Federal Tax ID Number: 47-6006205 DUNS Number: 040919607

E. State Legislative District(s) 35th Congressional District(s) Third

F. Is the Community/Communities in good standing with the National Flood Insurance Program:
☒ Yes ☐ No

G. Point of Contact:

☒ Mr. ☐ Ms. ☐ Mrs. First Name: Jon Last Name: Rosenlund

Title: Director Organization: Hall County/Grand Island Emergency Mgt.

Street Address: 100 E. 1st St. PO Box 1968 City: Grand Island

State: Nebraska Zip Code: 68802 Telephone: (308) 385 - 5360

Fax: (308) 385 - 5378 E-mail Address: beready@grand-island.com

H. Alternate Point of Contact:

☒ Mr. ☐ Ms. ☐ Mrs. First Name: Larry Last Name: Smith

Title: Deputy Director Organization: Hall County/Grand Island Emergency Mgt.

Street Address: 100 E. 1st St. PO Box 1968 City: Grand Island

State: Nebraska Zip Code: 68802 Telephone: (308) 385 - 5360

Fax: (308) 385 - 5378 E-mail Address: larrys@hcgj.gov

I. Estimated Funding:

Federal	Non-Federal	Applicant	Other	Total
75%	%	25 %	%	100%
<u>\$45,000.00</u>	<u>\$ _____</u>	<u>\$ 15,000.00</u>	<u>\$ _____</u>	<u>\$60,000.00</u>

II. Detailed Description of the Proposed Project

- A. Describe the problem to be mitigated: Replacing aging and non-repairable warning sirens in Hall County.

- B. Provide a detailed description of the proposed project:

Hall County Emergency Management operates and maintains 38 outdoor warning sirens to alert the public of dangerous weather and other hazards. The vast majority of these devices (27 remaining) were installed between 1979 and 1981. These devices have an anticipated life span of 30 years, and existing sirens are already failing at a rate of almost 1-2 annually over the past few years.

Unfortunately, repair parts are no longer available for many of these older models. Sirens that fail are replaced at significant cost on a case-by-case basis. The Emergency Management Department has sought to replace 2 sirens a year. However, local funds are no longer sufficient to keep up with the rising number of replacements needed. The department anticipates an influx of future siren failures as they reach and exceed their 30-year life-span.

With these funds, Hall County plans to install 4 sirens to meet this looming problem. The vast majority of new sirens will replace older models while one will be installed as an expansion to the current system. Siren costs are typically \$15,000 each to replace. Sirens will be installed in the communities of Grand Island, Wood River, Alda, Cairo, and Doniphan.

- C. Does the project conform to the State and Local mitigation goals and/or plans? Yes
Explain (Cite location in plan(s) to support your answer):

Objective 3.3 (page 29) "Ensure adequate outdoor warning siren coverage" includes the Action Item to "add sirens" if the coverage is found deficient.

- D. Will the proposed mitigation measure provide an independent solution to the problem? Yes
Explain:

Sirens will be incorporated into the current siren activation, testing, and maintenance process for the County.

- E. How does the proposed mitigation measure address a repetitive problem or a problem that poses a significant risk to public health and safety if left unresolved? Explain:

The siren system is suffering repeated equipment failures and areas of the community are not properly covered by outdoor warning devices. This project will replace sirens as they fail. Replacing older equipment with newer devices, in many instances, will provide a wider audible range.

- F. Discuss the negative impacts on the area if the proposed project is not approved: Explain:

If left uncorrected, the community will lack a complete outdoor warning system to notify them of oncoming disasters of all kinds.

- G. Describe damage caused by previous and current disasters and associated costs:

In 1980, seven tornadoes struck Grand Island and killed 5, wounding over 400 more. This outdoor siren system is critical in providing the public with the greatest chance for survival.

H. Hazards to be Mitigated/Level of Protection

1. Select the type(s) of hazards the proposed project will mitigate:

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Drought | <input type="checkbox"/> Earthquake | <input type="checkbox"/> Flooding |
| <input type="checkbox"/> Land Subsistence | <input type="checkbox"/> Mud/Landslide | <input type="checkbox"/> Severe Winter Storms | <input checked="" type="checkbox"/> Thunderstorms |
| <input checked="" type="checkbox"/> Terrorism | <input checked="" type="checkbox"/> Tornado | <input type="checkbox"/> Wildfires | |

2. Fill in the number of people and amount of property protected by the project:

Number of People:	<u>55,642</u>	(2007 Hall County Census Estimate)
Number of Residential Properties:	<u>19,176</u>	Value of Residential Properties: \$ <u>1.78B</u>
Number of Commercial Properties:	<u>2,778</u>	Value of Commercial Properties: \$ <u>918M</u>
Number of Agricultural Properties:	<u>3,566</u>	Value of Agricultural Properties: \$ <u>625M</u>
Number of Public Properties :	<u>1,261</u>	Value of Public Properties: \$ <u>295M</u>
		Value of Public Infrastructure \$ <u>244M</u>

Total Number of Properties: 26,804 Total Value of Structures: \$ 3.6B

3. Provide the level of protection the proposed project will provide the total number of properties. (i.e. "23 structures protected against the 100-year (1%) flood" or "1 structure will have near absolute protection against 250 mph wind speeds").

Nearly 60,000 residents and visitors will have outdoor warning sirens near their homes, businesses, parks, schools, and other areas.

List data in Flood Levels (10, 25, 50, 100, etc) or wind speeds (mph).

_____ Structure(s) protected against the _____ year flood
_____ Structures will have near absolute protection against _____ mph wind speeds

4. The proposed project will provide protection against the hazard(s) specified above for **30** years.

Please explain the methodology used to determine the useful life of the project. (You can check the FEMA-standard for most project types which is located on the Mitigation BCA Toolkit)

Lifespan for this model of siren is generally accepted to be around 30 years. This is born out by the fact that our failing sirens were installed between 1979-1981.

5. Engineered Projects Only (e.g. Bank Stabilization, Small structural projects)

Note: A Letter of Map Revision (LOMR) may be needed on this type of project. Any changes to the Flood Insurance Rate Maps (FIRM) need to be reflected on the flood maps, which is accomplished through the LOMR process. The construction of this project may lower the 100-year flood elevation and thus, possibly lower the flood insurance rates for structures in the project area.

Attach to this page **ALL** engineering calculations used to determine the above level of protection. List all attachments below.

1. _____
2. _____

3. _____

III. Project Location

A. Site Address: (NOTE: If Acquisition, please use the Property Site Inventory Form)

Hall County Siren Installation List					
<u>Siren #</u>	<u>Description</u>	<u>Installed Year</u>	<u>Latitude / Longitude</u>	<u>Current 70dB Radius (ft)</u>	<u>New 70dB Radius (ft)</u>
3	Cairo, Village of - 300 South High St.- Behind Senior Citizen Center	1981	N41 00.023 W98 36.474	1600	6200
16	3436 South Locust - Across from Walmart	1981	N40 53.138 W98 20.398	1600	6200
19	1800 Block of N Hancock (Just North of Kingston & Hancock)	1981	N40 56.238 W98 22.409	3200	6200
New	US 281 & Wood River Road (I-80 Interchange/Mormon Island Campground)	N/A	TBD	N/A	6200

B. FIRMette (Flood Insurance Rate Map (FIRM)) showing Project Site: (application will not be reviewed if FIRM is missing from attachments)

☒ Attach a copy of the FIRMette with the project site and structures marked.

A FIRMette is a paper copy of a user defined portion of a FIRM created from your computer. To make a FIRMette 1) Go to <http://msc.fema.gov> 2) Click on the 'FIRMette Tutorial' icon and follow instructions to create a FIRMette for your project location. (Note: If you wish to obtain a FIRM, they are typically available from your local floodplain administrator who may be located in the planning, zoning, or engineering office. Maps can also be ordered from the Map Service Center at (800) 358-9616, however it is strongly encouraged to use a FIRMette.)

Using the FIRMette, determine the flood zone(s) of the project site (Check all zones in the project area).

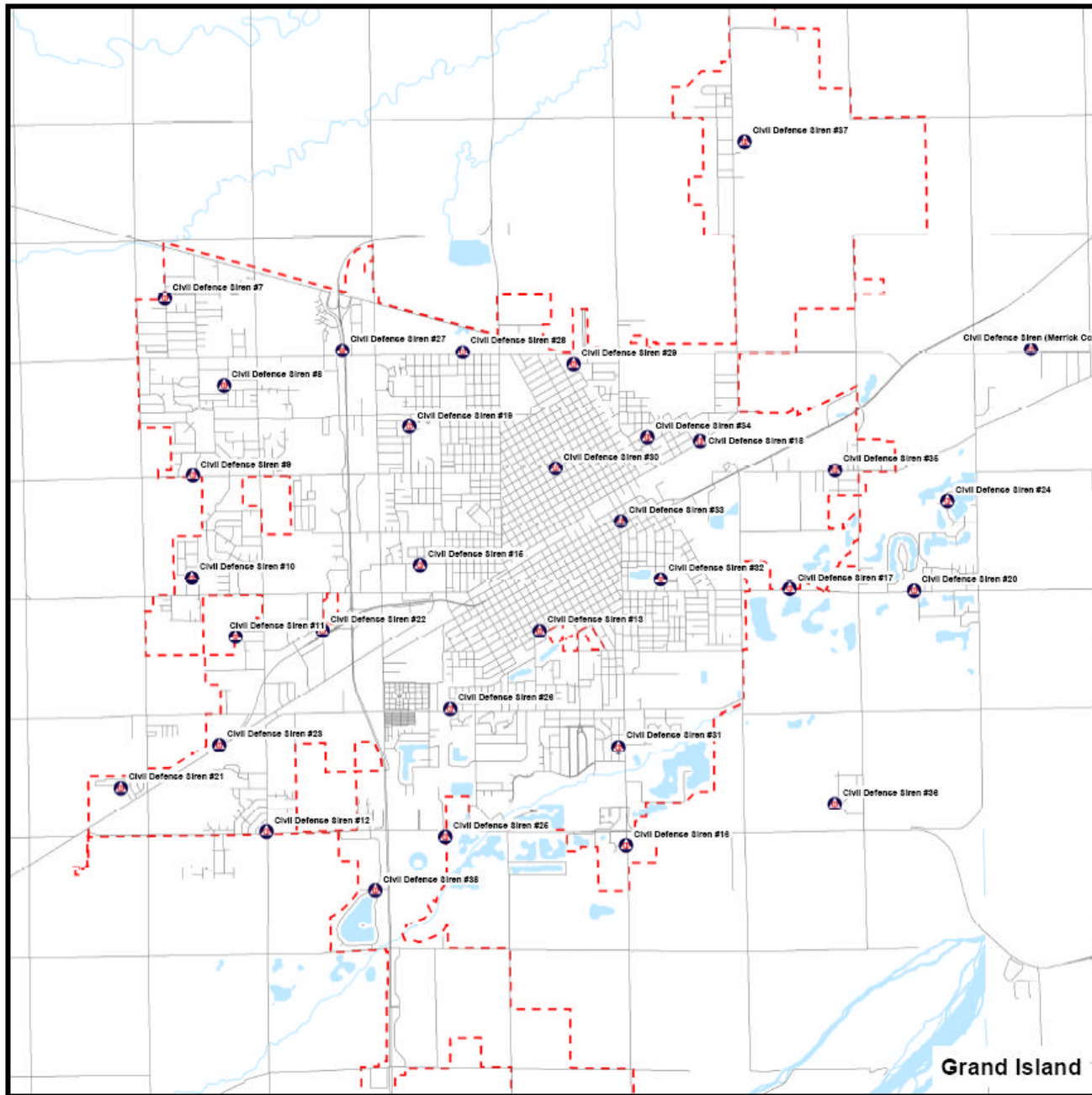
NFIP Community Number: See below

☐ VE or V 1-30 ☐ C or X (un-shaded)
☒ B or X (shaded) ☐ Floodway

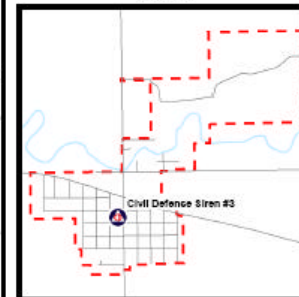
Panel Number(s): See below

☒ AE or A-130 ☐ AO or AH
☒ A (no base flood elevation given)

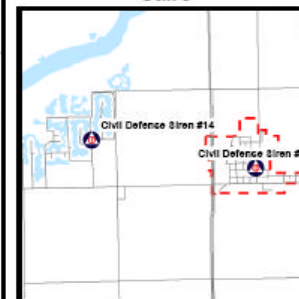
FIRMettes listed below:



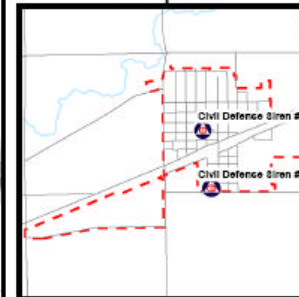
Alda



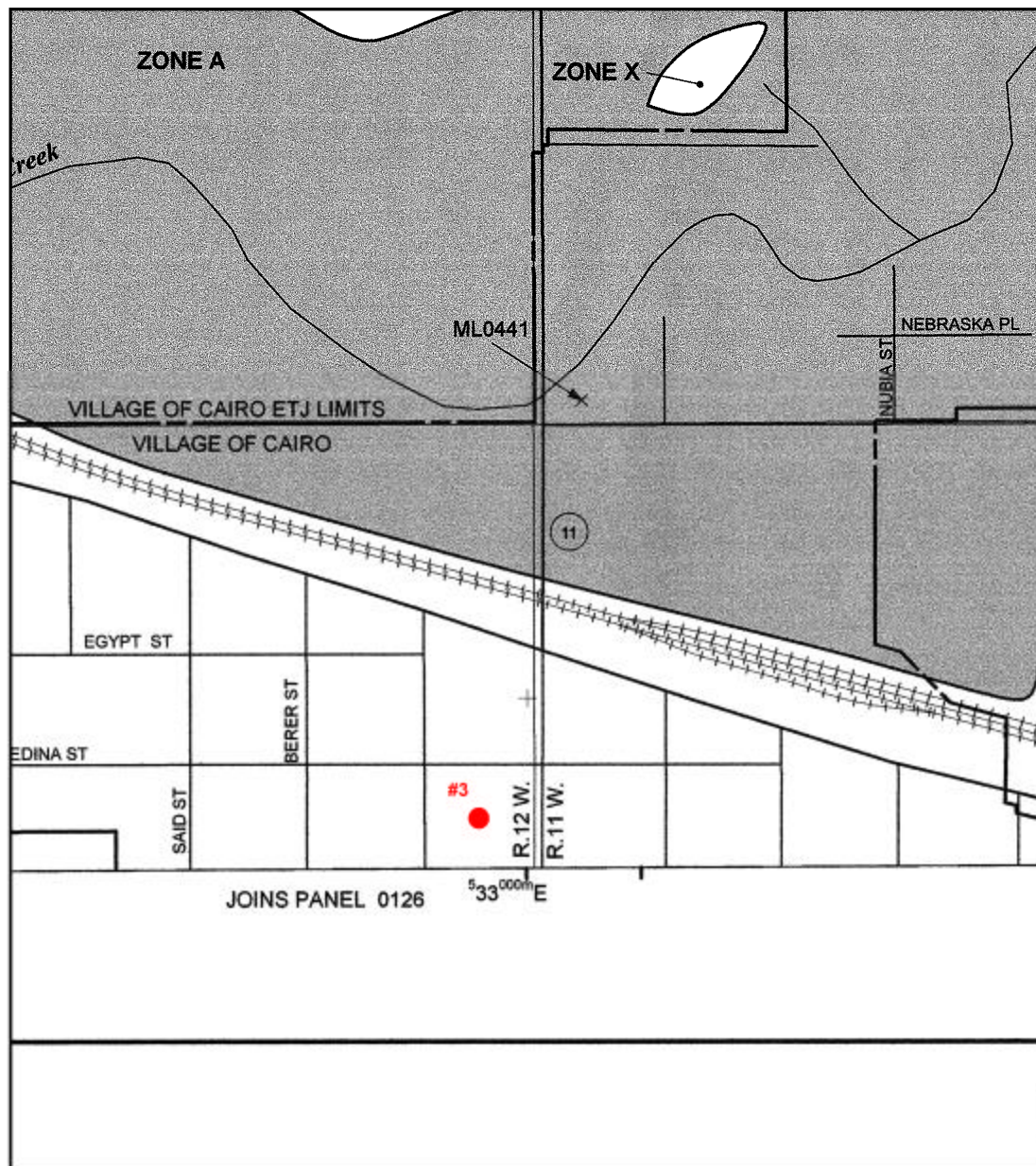
Cairo



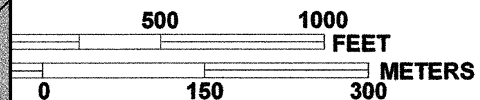
Doniphan



Wood River



MAP SCALE 1" = 500'



PANEL 0038D

FIRM

FLOOD INSURANCE RATE MAP

HALL COUNTY,
NEBRASKA
AND INCORPORATED AREAS

PANEL 38 OF 400

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CAIRO, VILLAGE OF	310101	0038	D
HALL COUNTY	310100	0038	D

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.

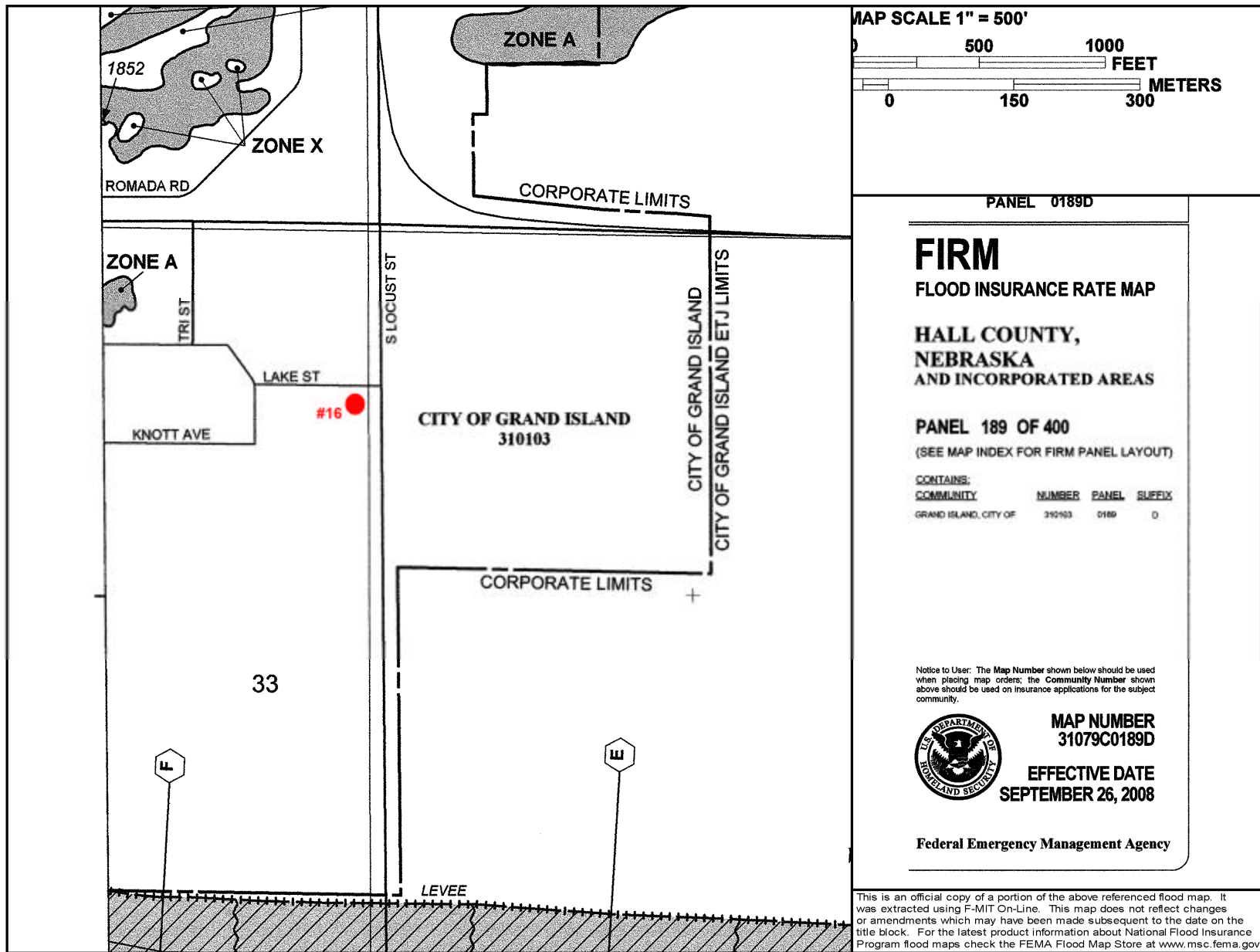


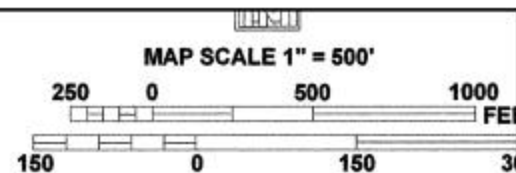
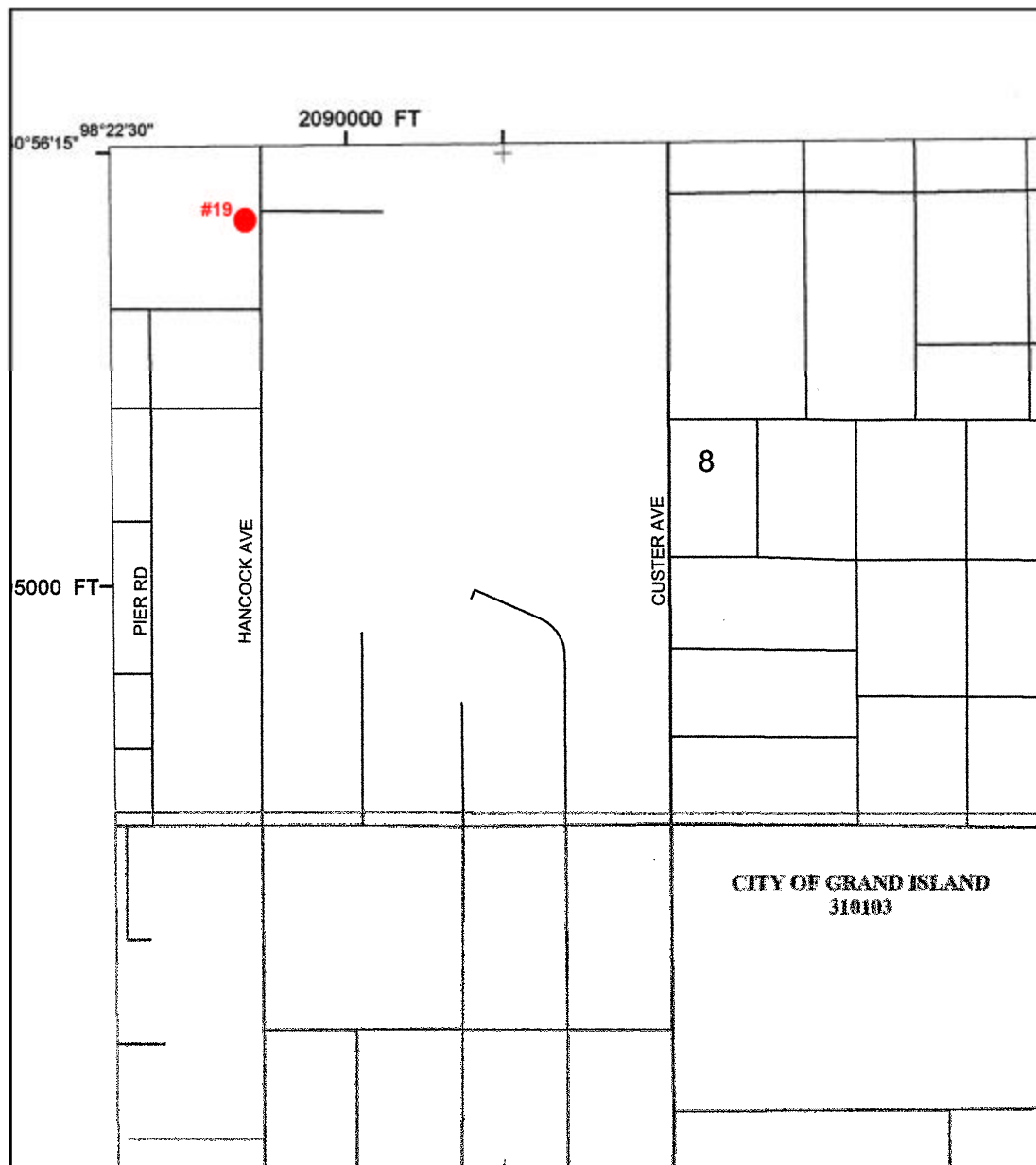
MAP NUMBER
31079C0038D

EFFECTIVE DATE
SEPTEMBER 26, 2008

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov





N-FIP PANEL 0186D

FIRM
FLOOD INSURANCE RATE MAP

**HALL COUNTY,
NEBRASKA
AND INCORPORATED AREAS**

PANEL 186 OF 400
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)


CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
GRAND ISLAND, CITY OF	310103	0186	D
HALL COUNTY	310100	0186	D

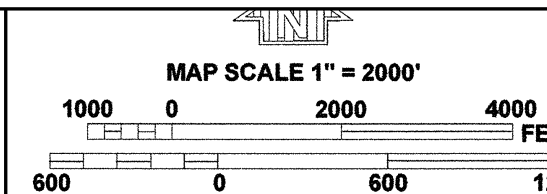
Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
31079C0186D

EFFECTIVE DATE
SEPTEMBER 26, 2008

 **Federal Emergency Management Agency**

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msd.fema.gov



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
**HALL COUNTY,
NEBRASKA
AND INCORPORATED AREAS**

PANEL 275 OF 400
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

<u>CONTAINS:</u>	<u>NUMBER</u>	<u>PANEL</u>	<u>SUFFIX</u>
GRAND ISLAND, CITY OF	310103	0275	0
HALL COUNTY	310100	0275	0

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
31079C0275D

EFFECTIVE DATE
SEPTEMBER 26, 2008

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

overtopping or failure of the structure. Precautions to protect lives and minimize damages in these areas are critical. Please provide a narrative to describe what measures have been considered or taken to address the risk of overtopping or failure of the structure:

- D. Attach City or County Map with Project Site and Photographs (These are examples of the types of maps that can be used; additional space is provided to specify additional maps or references included in the application.) Check the appropriate boxes to indicate the attached maps

- ☒ Attached copy of a city or county scale map (large enough to show the entire project area) with the project site and structures marked on the map.
- ☐ Attached USGS 1:24,000 topographical map with project site marked on the map.
- ☐ For acquisition or elevation projects, include a copy of the Parcel Map (Tax Map, Property Identification Map, etc.) with each property in the project clearly marked on the map. Use SAME ID as used on the Individual Housing Data Sheet.
- ☒ Attached are overview photographs. The photographs should be representative of the project area, including any relevant streams, creeks, rivers, etc. and drainage areas which affect the project site or will be affected by the project.
- ☐ For State Historical Preservation Officer's review, please attach two photographs of the properties at opposing angles so they may determine whether it is of historical value.
- ☐ _____
- ☐ _____
- ☐ _____

Attach a copy of each site photograph here
(Use additional pages as needed)

CLEARLY LABEL EACH PHOTO

Property Information:

Age of Structure (year built):	<u>1979-81</u>	Type of Residence:	<u>Not Applicable</u>
Pre-Event Fair Market Value:	<u>\$14,000</u>	Structure Type:	<u>Other (pine pole)</u>
Parcel Number:	<u>N/A</u>	Foundation Type:	<u>Other (buried in ground)</u>
Property Tax Id:	<u>N/A</u>	Basement:	<u>Not Applicable</u>
Latitude:	<u>See list</u>	Base Flood Elevation:	<u>Not Applicable</u>
Longitude:	<u>See list</u>	First Floor Elevation:	<u>Not Applicable</u>
SHPO Cleared: ⌚	<u>N/A</u>	Number of feet the lowest floor elevation of the structure is being raised above Base Flood Elevation (Only applicable when Property Action is Elevation): <u>Not Applicable</u>	
SHPO Cleared Date: ⌚	<u>N/A</u>	Damage Category:	<u>Not Applicable</u>
Benefit Cost Analysis: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Post Mitigation Property Use:	<u>Outdoor warning system</u>
Performed: By Whom: _____		If commercial property what is the primary usage, explain below in comments.	
Benefit Cost Ratio: _____			
Total Square Feet of Living Space:	<u>N/A</u>		
Average cost per square foot for residential & commercial construction in the community: <u>N/A</u>			

National Flood Insurance Program Information:

Flood Source: N/A Structure Located in: Not Applicable

Note: An NFIP repetitive loss structure is defined as building with 2 or more insured losses greater than \$1,000 within a 10-year period.

Repetitive Loss Structure: No

☐ 2-3 Insured Losses Cumulatively <=building fair market value
☐ 2-3 Insured Losses Cumulatively > building fair market value
☐ 4 or more losses since 1978
☒ Not Applicable

Repetitive Loss Number: N/A

NFIP Policy Number: ⌚ N/A Insurance Policy Provider: ⌚ N/A

Is there a Flood Insurance Rate Map (FIRM) available? ☒ Yes ☐ No (FIRMettes attached)

Is the property site marked on the map? Yes, map attached

Flood Zone Designation

☐ VE or V 1-30 ☒ C or X (un-shaded) ☒ AE or A-130 ☐ AO or AH
☒ B or X (shaded) ☐ Floodway ☒ A (no base flood elevation given)

FIRM Community Information

Community: Hall County

Map Specific Information for Selected Community

Panel Number: See attached panels Date: Sept 26, 2008

Legal Description: ⌚ Outdoor Warning Siren

Comments: This is a single form for all 12 siren locations. Each siren is placed atop a utility pole in the locations listed.

⌚ (This information is not required until the project is approved, but would be helpful if you can provide it at the time of application.)

3. Occupancy: (indicate approximate occupancy of building during each hour of the day)

12 AM –	1 AM – 2	2 AM – 3	3 AM – 4	4 AM – 5	5 AM – 6	6 AM – 7	7 AM – 8
1AM <input type="text"/>	AM <input type="text"/>	AM <input type="text"/>	AM <input type="text"/>	AM <input type="text"/>	AM <input type="text"/>	AM <input type="text"/>	AM <input type="text"/>
8 AM – 9	9 AM – 10	10 AM – 11	11 AM – 12	12 PM – 1	1 PM – 2	2 PM – 3	3 PM – 4
AM <input type="text"/>	AM <input type="text"/>	AM <input type="text"/>	PM <input type="text"/>	PM <input type="text"/>	PM <input type="text"/>	PM <input type="text"/>	PM <input type="text"/>
4 PM – 5	5 PM – 6	6 PM – 7	7 PM - 8	8 PM –9	9 PM – 10	10 PM – 11	11 PM – 12
PM <input type="text"/>	PM <input type="text"/>	PM <input type="text"/>	PM <input type="text"/>	PM <input type="text"/>	PM <input type="text"/>	PM <input type="text"/>	AM <input type="text"/>

4. Include a narrative on the location and the number of occupants that will use the tornado shelter during normal and adverse weather conditions.

5. Will the proposed shelter be an addition to an existing building?

☐ Yes (complete question a) ☐ No (complete question b)

a. Complete the following information for the **existing building/proposed shelter**:

Longest Width:

Size/Square Footage:

Longest Length:

Will the Shelter area be
above or below ground?

☐ Above Ground

☐ Below Ground

Construction Date:

Number of Stories:

Describe the current building configuration (also
attach a sketch):

b. Complete the following information for the **proposed structure**:

Longest Width:

Longest Length

Structure Size/Square Footage:

Will the Shelter area be
above or below ground?

☐ Above Ground

Proposes Shelter Area Square Footage:

☐ Below Ground

Construction Type:

Number of Stories:

6. Estimated Completion Date for Design (mo/yr): Construction (mo/yr):

7. Estimated Yearly Maintenance Cost:

8. Preliminary Project Cost Estimate for Shelter Area (amount to be included in application (fed + non-fed)-do not include estimated costs for optional amenities that the City will fund separately): \$

9. What Flood Zone the building is in: (include copy of FIRMette) indicating location of the building – If the building is in the floodplain the elevation of a shelter must be built at the 100 year plus 1 foot or to the 500 year level, which ever is higher:

IV. History of Hazards/Damages in the Area to be Protected*

In this section describe all past damages from hazardous events in the project area. Include Presidentially declared disasters as well as events that did not result in a Presidential declaration.

A. Overview of Past Damages

Provide a detailed history of damages in the area, including direct and indirect costs. Include information for as many past incidents as possible. Attach any supporting documents. Direct costs should include damages to structures and infrastructure in the project area as a result of the hazard. Indirect costs should include the cost to the local government to respond to victims of the hazard in the project area, any interruption to local businesses, and losses of public services.

Date	Level of Event	Damages	Indirect Costs (Describe)
6/3/1980	Tornadoes (7)	\$300 million in 150 city blocks, 357 homes, 33 mobile homes, 85 apartments, 49 businesses.	5 killed 400 injured
1950-2006	70 tornadoes (5 th in Nebraska)	\$330 million in total damages (1950-2006)	128.2 tornadoes per 1000 sq. miles (1 st in Nebraska)

☐ List all Supporting Documentation Attached pertaining to Past Damages:

1. Hall County Hazard Mitigation Plan

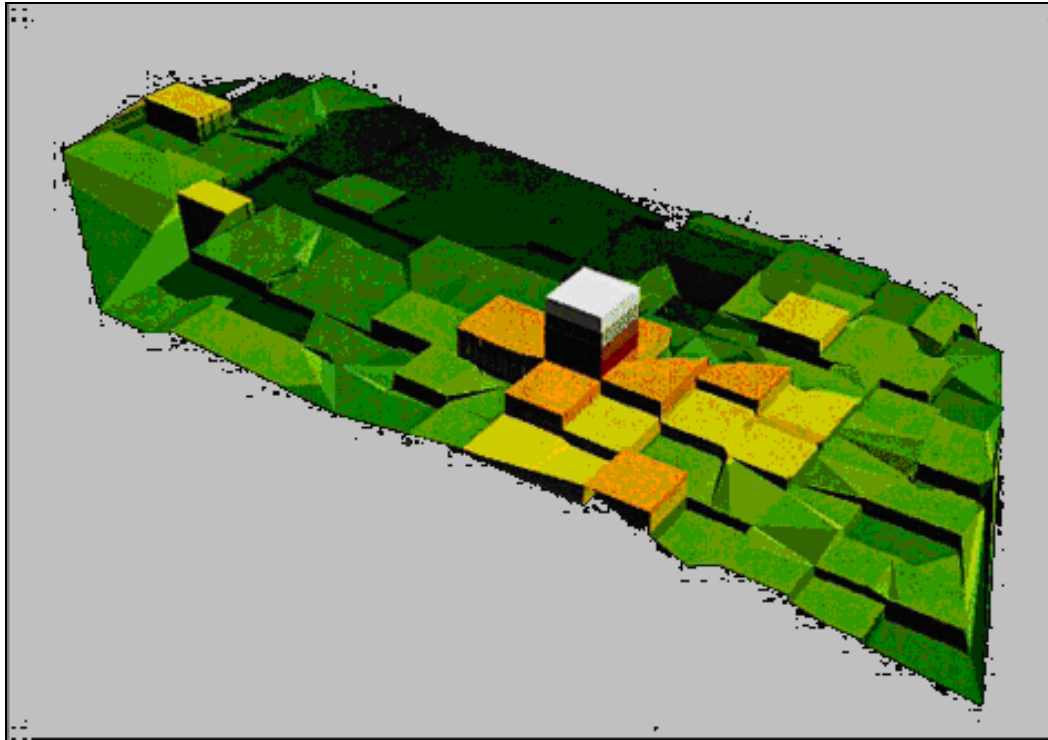
Provide a narrative below describing historical damages in the proposed project area: _____

Excerpt from County Hazard Mitigation Plan

The discussion of tornadoes in Hall County starts with the tornado outbreak of June 3, 1980, which devastated entire sections of Grand Island – especially the City's northwest and north central residential areas, and the southern business district. The tornadoes killed five people, injured more than 400, caused \$300 million in damage. The destruction covered more than 150 city blocks, including losses to 357 homes, 33 mobile homes, 85 apartments, and 49 businesses. This event has been turned into book and a television movie ("Night of the Twisters"), and was studied by a special team of research scientists, including Professor T. Theodore Fujita himself. This tornado outbreak captivated scientists because the storm included both cyclonic and anticyclonic tornadoes.

According to the High Plains Regional Climate Center, Hall County has seen 70 tornadoes from 1950 to 2006, which places the County fifth in the State for number of twisters. However, on a density basis which factors in the area of county, Hall County has the highest density of tornadoes at 128.2 tornadoes per 1000 square miles. Second on the list is Thayer County at 95.7. It must be noted that these figures could be dramatically changed if the 1980 tornado outbreak were considered one event rather than seven separate tornadoes.

The figure below shows a graphic interpretation of tornado density by county from 1953 to 1999. The pattern clearly shows a “hot spot” of tornadic activity in central Nebraska with Hall County being the bull’s-eye.



Tornadoes in Nebraska Counties (Hall County in White)

Vulnerability Statement

Every structure in Hall County is at risk to tornadoes. According to the Nebraska Department of Property Assessment and Taxation, this represents a value of \$3,294,925,981.

Source: Hall County Hazard Mitigation Plan, 2007: Sections 2.32 Tornado History & 2.34 Vulnerability Assessment (pgs 24-28)

*For Acquisitions and Elevations, provide an overview in the section above to include specific damages to each property in the HMGP Property Site Inventory Forms (PSI). NOT APPLICABLE

V. Scope of Work/Budget

In this section, provide the details of all costs of the project. As this information is used for the Benefit-Cost Analysis, reasonable cost estimates are essential. As administrative costs are calculated on a sliding scale, **do not** include this in the budget. **Do not include contingency costs in the budget.**

A. Materials

Item	Quantity	Unit of Measure	Cost per Unit	Total Cost
Tornado Siren	4	Each	\$10,000.00	\$40,000.00
Pole	4	Each	\$1,000.00	\$4,000.00
		Select...	\$	\$
		Select...	\$	\$
		Select...	\$	\$

B. Labor (Include equipment costs)

Description	Hours	Rate	Cost
Removal of old siren & installation of new device.	4 sirens	\$4,000.00	\$16,000.00
		\$	\$
		\$	\$
		\$	\$
		\$	\$

C. Fees Paid (Include any other costs associated with the project)

Description of Task	Hours	Rate	Cost
		\$	\$
		\$	\$
		\$	\$
		\$	\$
		\$	\$

Totals	
A. Materials	\$ 44,000.00
B. Labor	\$ 16,000.00
C. Fees Paid	\$ 0.00
Grand Total (Total Project Costs):	\$ 60,000.00

D. Provide a budget narrative for the proposed project:

Previous installations and recent quotes provide the prices listed above for a new rotating siren model #2001-130, siren control, 2001 AC, and shipping, as well as labor for the removal and disposal of the old device and complete installation to a 60 amp power source. Labor costs include testing the equipment to ensure proper activation. The pole is replaced and installed by City of Grand Island Utilities Department at \$1,000.00 each.

V. Scope of Work/Budget continued

- E. **Funding Sources** (round figures to the nearest dollar) the maximum FEMA share for a HMGP project is 75%. The other 25% must be paid by the local sponsor. Note: You cannot match federal funds with federal funds; the only exception is Community Development Block Grant (CDBG) funding.

Funding Sources	Funding Amount	Percentage of Total Cost
Federal Share (Estimated FEMA Share)	\$ 45,000.00	75%
Non-Federal Share (See below for required details to document)	\$ 15,000.00	25%
TOTAL Proposed Project Cost	\$ 60,000.00	100%

Non-Federal Share Information: (Use Source 1, additional source space is available if multiple sources are contributing to the proposed project (Source 2 and Source 3)).

Match Assurance: You must provide a letter or resolution from each source committing to their share(s) of the non-federal funding.

Description	Source 1	Source 2	Source 3	Comments (Specify Other Source)
1. Source Agency:	<u>Local Agency Funding</u>	<u>Select...</u>	<u>Select...</u>	
2. Source Name of Non-Federal Share	Grand Island / Hall County Emergency Management			
3. Type of Non-Federal Share:	<u>Cash</u>	<u>Select...</u>	<u>Select...</u>	

- F. **Project Work Schedule:** List the major milestones and timeframes for this project:
Example: Description: Demolition of 6 structures and removal of debris Timeframe: 30 days 1 month

Milestone

Timeframe

Enter Number of Days and Month(s)

- | | | | |
|----|---|----------------|------------------------|
| 1. | Description: <u>Place order for sirens</u> | <u>90</u> days | <u> </u> month(s) |
| 2. | Description: <u>Order processing and delivery</u> | <u>90</u> days | <u> </u> month(s) |
| 3. | Description: <u>Four Sirens removed & installed</u> | <u>90</u> days | <u> </u> month(s) |
| 4. | Description: <u>Yearly close out and paperwork</u> | <u>60</u> days | <u> </u> month(s) |

VI. Environmental Documentation

The applicant **must** provide certain environmental documentation to the State before the State and FEMA can adequately review any proposed project. Some projects require specific documentation depending upon the project type and its potential effects on the physical, biological and built environment. The following sections will help ensure you provide the necessary documentation for the project you are proposing. Each of the sections below will begin with a specific question, in which you will provide either a Yes, No, or Not Known response. In each section, **if you select Yes or Not Known for any of the answers, please indicate why in the comments section provided and any information about this project that could assist NEMA and FEMA in its review.**

A. National Historic Preservation Act – Historical Buildings and Structures

1. Does your project affect or is it in close proximity to any buildings or structures 50 years or more in age? ☒ No

If yes, you must confirm that you have provided the following:

- ☐ The property address and original date of construction for each property affected (unless this information is already noted in the Properties section),
- ☐ A minimum of two color photographs showing at least three sides of each structure (Please label the photos accordingly),
- ☐ A diagram or USGS 1:24,000 scale quadrangle map displaying the relationship of the property(s) to the project area.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

- ☐ Information gathered about potential historic properties in the project area, including any evidence indicating the age of the building or structure and presence of buildings or structures that are listed or eligible for listing on the National Register of Historic Places or within or near a National Register listed or eligible historic district. Sources for this information may include the State Historic Preservation Officer, and/or the Tribal Historic Preservation Officer (SHPO/THPO), your local planning office, historic preservation organization, or historical society.
- ☐ Consideration of how the project design will minimize adverse effects on known or potential historic buildings or structures, and any alternatives considered or implemented to avoid or minimize effects on historic buildings or structures. Please address and note associated costs in your project budget.
- ☐ For Acquisition/demolition projects affecting historic buildings or structures, have you provided any data regarding the consideration and feasibility of elevation, relocation, or flood proofing as alternatives to demolition?
- ☐ List all Supporting Documentation Attached pertaining to Historic Buildings or Structures:
 - 1. _____
 - 2. _____
 - 3. _____

VI. Environmental Documentation Continued

☐ Additional Comments regarding Historic Buildings and Structures: Not Applicable.

B. National Historic Preservation Act – Archeological Resources

1. Does your project involve disturbance of ground? ☒ No

If Yes, you must confirm that you have provided the following:

- ☐ A description of the ground disturbance by giving the dimensions (area, volume, depth, etc.) and location
- ☐ The past use of the area to be disturbed, noting the extent of previously disturbed ground.
- ☐ A USGS 1:24,000 scale or other site map showing the location and extent of ground disturbance.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

- ☐ Any information about potential historic properties, including archeological sites, in the project area. Sources of this information may include SHPO/THPO, and/or the Tribes cultural resources contact if no THPO is designated. Include, if possible, a map showing the relation of any identified historic properties to the project area.
- ☐ List all Supporting Documentation Attached pertaining to Archeological Resources:
 - 1. _____
 - 2. _____
 - 3. _____
- ☐ Additional Comments regarding Historic Buildings and Structures: _____

C. Endangered Species Act and Fish and Wildlife Coordination Act

1. Are federally listed threatened or endangered species or their critical habitat present in the area affected by the project? ☒ No

If yes, you must confirm that you have provided the following:

- ☐ Information you obtained to identify species in or near the project area. Provide the source and date of the information cited.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

- ☐ Any request for information and associated response from the United States Fish and Wildlife Service (USFWS) or the Nebraska Game and Parks Commission, regarding potential listed species present and potential of the project to impact those species.

VI. Environmental Documentation Continued

- ☐ List all Supporting Documentation Attached pertaining to the Endangered Species Act and Fish and Wildlife Coordination Act:

1. _____
2. _____
3. _____

- ☐ Additional Comments regarding Endangered Species Act and Fish and Wildlife Coordination Act:

2. Does your project remove or affect vegetation? ☒ No

If yes, you must confirm that you have provided the following:

- ☐ Description of the amount (area) and type of vegetation to be removed or affected.
☐ A site map showing the project area and the extent of vegetation affected
☐ Photographs or digital images that show both the vegetation affected and the vegetation in context of its surroundings

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

- ☐ List all Supporting Documentation Attached pertaining to Vegetation:

1. _____
2. _____
3. _____

- ☐ Additional Comments regarding vegetation: _____

3. Is your project in, near (within 200 feet), or likely to affect any type of waterway or body of water? ☐ Yes ☒ No ☐ Not Known

4. ☒ No Does the project impact the South Platte, North Platte or Platte River? The area of concern is from the Nebraska/Wyoming and the Nebraska/Colorado state lines to Chapman, NE. With any new project causing a rise or depletion to the target area project applications will be required to follow the Platte River Recovery and Implementation Program; the objective of which is to reduce target flow shortages. All offset measures shall be constructed and operated or implemented so that they do not cause additional shortages to either target flows or state-protected flows.

If yes, and project is not within an existing building, you must confirm that you have provided the following:

- ☐ A USGS 1:24,000 scale quadrangle map showing the project activities in relation to all nearby water bodies (within 200 feet).
☐ Any information about the type of water body nearby including: its dimensions, the proximity of the project activity to the water body, and the expected and possible changes to the water body, if any. Identify all water bodies regardless whether you think there may be an effect.

VI. Environmental Documentation Continued

- ☐ A photograph or digital image of the site showing both the body of water and the project area.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

- ☐ Evidence of any discussions with the US Fish and Wildlife Service (USFWS), and/or the Nebraska Game and Parks Commission concerning any potential impacts if there is the potential for the project to affect any water body.

- ☐ List all Supporting Documentation Attached pertaining to Waterway or Water Body:
1. _____
 2. _____
 3. _____

- ☐ Additional Comments regarding Waterway or Water Body near your project: _____

D. Clean Water Act, Rivers and Harbors Act, and Executive Order 11990 (Protection of Wetlands)

1. Will the project involve dredging or disposal of dredged material, excavating, adding fill material or result in any modification to water bodies or wetlands designated as "waters of the U.S." as identified by the US Army Corps of Engineers or on the National Wetland Inventory? ☐ Yes ☒ No ☐ Not Known

If Yes, you must confirm that you have provided the following:

- ☐ Documentation of the project location on a USGS 1:24,000 scale topographic map or image and a copy of National Wetlands Inventory map or other available wetlands mapping information.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

- ☐ Request for information and response letter from the US Army Corps of Engineers and/or State resource agencies regarding the potential for wetlands, and applicability of permitting requirements

- ☐ Evidence of alternatives considered to eliminate or minimize impacts to wetlands.

- ☐ List all Supporting Documentation Attached pertaining to Water Bodies or Wetlands

1. _____
2. _____
3. _____

- ☐ Additional Comments regarding Water Bodies or Wetlands for your project: _____

VI. Environmental Documentation Continued

E. Executive Order 11988 (Floodplain Management)

1. Does a Flood Insurance Rate Map (FIRM), Flood Hazard Boundary Map (FHBM), hydrologic study, or some other source indicate that the project is located in or will affect a 100 year floodplain, a 500 year floodplain if a critical facility, an identified regulatory floodway, or an area prone to flooding? ☐ Yes ☒ No ☐ Not Known

If Yes, please indicate in the comments section below any documentation to identify the means or the alternatives considered to eliminate or minimize impacts to floodplains (See the 8 step process found in 44 CFR Part 9.6.) to help FEMA evaluate the impact of the project.

☐ Comments regarding Executive Order 11988 (Floodplain Management): _____

2. Does the project alter a watercourse, water flow patterns, or a drainage way, regardless of its floodplain designation? ☐ Yes ☒ No ☐ Not Known

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

☐ Hydrologic/hydraulic information from a qualified engineer to demonstrate how drainage and flood flow patterns will be changed and to identify down and upstream effects

☐ Evidence of any consultation with US Army Corps of Engineers (may be included under Part D of the Environmental Information).

☐ Request for information and response letter from the State water resource agency, if applicable, with jurisdiction over modification of waterways

☐ List all Supporting Documentation Attached pertaining to Altering Watercourse, Water Flow Patterns, or Drainage Ways:

1. _____
2. _____
3. _____

☐ Additional Comments regarding altering Watercourse, Water Flow Patterns, or Drainage Way for your project: _____

F. Farmland Protection Policy Act

1. Will the project convert more than 5 acres of "prime or unique" farmland outside city limits to a non- agricultural use? ☐ Yes ☒ No ☐ Not Known

☐ List all Supporting Documentation Attached pertaining to the Farmland Protection Policy Act:

1. _____
2. _____
3. _____

☐ Additional Comments regarding the Farmland Protection Policy Act and your project: _____

VI. Environmental Documentation Continued

G. RCRA and CERCLA (Hazardous and Toxic Materials)

1. Is there a reason to suspect there are contaminants from a current or past use on the property associated with the proposed project? ☐ Yes ☒ No ☐ Not Known

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

- ☐ Comments and any relevant documentation
- ☐ Results of any consultations with State or local agency to obtain permit with requirements for handling, disposing of or addressing the effects of hazardous or toxic materials related to project implementation
- ☐ List all Supporting Documentation Attached pertaining to Hazardous and Toxic Materials:
1. _____
2. _____
3. _____
- ☐ Additional Comments regarding Hazardous and Toxic Materials and your project: _____

2. Are there any studies, investigations, or enforcement actions related to the property associated with the proposed project? ☐ Yes ☒ No ☐ Not Known

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

- ☐ Comments and any relevant documentation
- ☐ Results of any consultations with State or local agency to obtain permit with requirements for handling, disposing of or addressing the effects of hazardous or toxic materials related to project implementation
- ☐ List all Supporting Documentation Attached pertaining to Studies, Investigations, or Enforcement Actions
1. _____
2. _____
3. _____
- ☐ Additional Comments regarding Studies, Investigations, or Enforcement Actions related to your project: _____

3. Do any project construction or operation activities involve the use of hazardous or toxic materials? ☐ Yes ☒ No ☐ Not Known

If yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

- ☐ Comments and any relevant documentation.
- ☐ Results of any consultations with State or local agency to obtain permit with requirements for handling, disposing of or addressing the effects of hazardous or toxic materials related to project implementation.
- ☐ List all Supporting Documentation Attached pertaining to Hazardous and Toxic Materials:
 - 1. _____
 - 2. _____
 - 3. _____
- ☐ Additional Comments regarding Hazardous and Toxic Materials related to your project: _____

4. Do you know if any of the current or past land-uses of the property affected by the proposed project or of the adjacent properties are associated with hazardous or toxic materials? ☐ Yes ☒ No ☐ Not Known

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

- ☐ Comments and any relevant documentation.
- ☐ Results of any consultations with State or local agency to obtain permit with requirements for handling, disposing of or addressing the effects of hazardous or toxic materials related to project implementation.
- ☐ List all Supporting Documentation Attached pertaining to Current or Past Land Uses:
 - 1. _____
 - 2. _____
 - 3. _____
- ☐ Additional Comments regarding current or past land uses related to your project: _____

H. Executive Order 12898, Environmental Justice for Low Income and Minority Populations

1. Are there low income or minority populations in the project's area of effect or adjacent to the project area? ☐ Yes ☒ No ☐ Not Known

If Yes, you must confirm that you have provided the following:

☐ Description of any disproportionate and adverse effects to these populations.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

☐ Description of the population affected and the portion of the population that would be disproportionately and adversely affected. Please include specific efforts to address the adverse impacts in your proposal narrative and budget.

☐ List all Supporting Documentation Attached pertaining to Executive Order 12898 & your project:

1. _____
2. _____
3. _____

☐ Additional Comments regarding Executive Order 12898: _____

I. Other Environmental/Historic Preservation Laws or Issues

1. Are there other environmental/historic preservation requirements associated with this project that you are aware of? ☐ Yes ☒ No

If yes, please provide a description of the requirements, issues or public involvement effort: _____

2. Are there controversial issues associated with this project? ☐ Yes ☒ No ☐ Not Known

If yes, please provide a description of the requirements, issues or public involvement effort: _____

3. Have you conducted any public meeting or solicited public input or comments on your specific proposed mitigation project? ☒ Yes ☐ No

If yes, please provide a description of the requirements, issues or public involvement effort: Project discussed in meetings of the City/County Interlocal Emergency Management Committee, and numerous open meetings of the Grand Island City Council and Hall County Board.

☐ List all Supporting Documentation Attached pertaining to Other Environmental/Historic Preservation Issues:

1. _____
2. _____
3. _____

☐ Additional Comments regarding other Environmental/.Historic Preservation Issues: _____

J. Summary and Cost of Potential Impacts

1. Having answered the questions in parts A. through I., have you identified any aspects of your proposed project that have the potential to impact environmental resources or historic properties? ☐ Yes
☒ No

If yes, you must confirm that you have:

- ☐ Evaluated these potential effects and provided the materials required in Parts A through I that identify the nature and extent of potential impacts to environmental resources and/or historic properties.
- ☐ Consulted with appropriate parties to identify any measures needed to avoid or minimize these impacts.
- ☐ Considered alternatives that could minimize both the impacts and the cost of the project.
- ☐ Made certain that the costs of any measures to treat adverse effects are realistically reflected in the project budget estimate.
- ☐ List all Supporting Documentation Attached pertaining to potential impacts:
1. _____
2. _____
3. _____
- ☐ Please enter additional Comments here: _____

VII. Maintenance Schedule and Associated Costs

- A. Provide a maintenance schedule including cost information: Sirens are tested twice monthly (1st and 15th day of each month) for effective operations.
1. Identify entity that will perform any long-term maintenance: Hall County/Grand Island Emergency Management Department will pay all fees for electrical service, repair and maintenance of the new equipment.
2. If the entity/responsibly party for regular long-term maintenance is different than the entity signing and certifying this application, please attach a letter from the entity accepting performance responsibility. Check the appropriate box below:
- ☐ Yes, letter is attached from responsibly entity/party identified above.
- ☒ No a maintenance letter is not attached. If FEMA approves this application, the entity certifying this application is responsible for long-term maintenance for the proposed mitigation project.

3. Additional Maintenance Comments: _____

VIII. Alternative Actions (This application will not be reviewed if this section is incomplete)

A. It is important to demonstrate that you have balanced engineering feasibility, cost, and avoidance of adverse environmental impacts considering a range of reasonable alternatives. The section below will help you document the process in which you have selected the most feasible alternative. Describe the **process** you used to decide that this project is the best solution to the problem. Below are some sample questions to consider as you write your narrative in the following comments section:

- Have you considered the risks to critical facilities and structures and benefits to be obtained by mitigating this vulnerability?

Yes. While warning systems do not provide significant structural protection for facilities, they do provide timely information to the public to take protective actions for themselves and their property.

- Have you considered those areas or projects that present the greatest opportunities given the current situation and interest in your community?

Yes, we have identified the need to ensure the continuation of our outdoor warning siren.

VIII. Alternative Actions continued

Yes, these warning sirens have been successfully used to warn and inform the public for over 30 years. They are a trusted, necessary part of the County's warning and public information system.

- Are you addressing a symptom or the source of the problem?
Addressing the source of the problem is a long-term solution which provides the most mitigation benefits.

Yes, the City and County recognize the need to replace and maintain emergency warning equipment. The rapid nature at which these sirens are anticipated to fail as they reach their life span threatens to outpace the ability to fund these replacements.

- If impacts to the environmental/historic preservation, natural, cultural, or historic resources have been identified, explain how your alternatives and proposed project avoid, minimize, or mitigate these impacts.

No environmental/historic preservation, natural, cultural or historic resources have been identified to be affected by this project.

Process in which the proposed project was determined the best solution to the problem:

Outdoor warning devices such as sirens are a proven method of warning the public, particularly in areas of outdoor public gatherings, schools, and neighborhoods. Historically, sirens have played a vital role in emergency notification systems nationwide.

- B. You are required to show at least two alternatives to the project you are proposing, one as a default is a “No Action Alternative”. List two feasible alternative projects to mitigate the hazards faced in the project area.

1. **No Action Alternative**

Provide discussion of the impacts on the project area if no action is taken: If no action is taken, then sirens will continue to fail at an increasing rate as they reach their end-of-life and areas of the county will be left without outdoor warning devices.

2. **Other Feasible Alternative:** _____

Discuss viable and practicable alternatives to the project including scope of work, engineering details (if applicable), estimated budget and the impacts of this alternative.

a. Other Feasible Project Description and Scope of Work

Describe, in detail, the proposed project. Also, explain how the proposed project will solve the problem(s) and/or provide protection from the hazard(s).

The City of Grand Island and Hall County wish to maintain this outdoor warning system and generally budget for the replacement of one siren per year. If grant funds are not found to amplify this local contribution, the department will continue this project one siren at a time. However, this will result in a far slower replacement timeline. This slower replacement schedule will quickly be outpaced by an increasing rate of siren failure anticipated in the near future as sirens reach and exceed 30 years of operations.

b. Other Feasible Project Location

Sirens are located on existing properties where easements, electricity and access have facilitated the installation of current sirens. Other feasible locations may exist, but don't measurably improve siren coverage. Slight locations changes may be made where relocation of a siren is a wiser course of action and will provide more adequate coverage and better access for testing

and servicing. As always, placement on easements, with access to electricity and other factors, govern these choices.

- ☐ Attach a map or diagram showing the alternative site in relation to the proposed project site.
- ☐ Photographs of alternative site

Attach copy of each site photograph here
(Use additional pages as needed)

CLEARLY LABEL EACH PHOTO

VIII. Alternative Actions Continued

- c. Funding Sources (round figures to the nearest dollar) The maximum FEMA share for a HMGP project is 75%. The other 25% must be paid by the local sponsor. Note: You cannot match federal funds with federal funds; the only exception is Community Development Block Grant (CDBG).

Funding Sources for the ALTERNATIVE Project	Funding Amount	Percentage of Total Cost
Federal Share (Estimated FEMA Share)	\$ 0.00	0 %
Non-Federal Share (See below for required details to document)	\$ 60,000.00	100%
TOTAL Estimated Alternative Project Cost	\$ 60,000.00	100%

Non-Federal Share Information (Use Source 1, additional source space is available if multiple sources would contributing to the alternative project (Source 2).

	Description	Source 1	Source 2	Comments (Specify Other Source)
4.	Source Agency:	<u>Local Agency</u>	<u>Select...</u>	
5.				
6.	Source Name of Non-Federal Share	<u>Hall County / Grand Island EMA</u>		
7.	Type of Non-Federal Share:	<u>Cash</u>	<u>Select...</u>	

- d. Impacts of Other Feasible Alternative Project

Discuss the impact of this alternative on the project area.
Include comments on these issues: Environmental Justice;

Endangered Species; Wetlands; Hydrology (Upstream and Downstream Impacts); Floodplain/Floodway; Historic Issues; Hazardous Materials. _____

IX. Approval Stipulations:

1. If the proposed project receives FEMA approval:

- a. And the federal share of less than \$1,000,000, does the Applicant or State desire a press release for the project?

Applicant: ☒ Yes ☐ No ☐ Not Applicable ☐ No Preference
State: ☐ Yes ☐ No ☐ Not Applicable

- b. Does the applicant or State desire FEMA to notify the appropriate Congressional offices?

Applicant: ☒ Yes ☐ No
State: ☐ Yes ☐ No

X. Certifications:

To the best of my knowledge and belief, all data in this application is true and correct. The governing body of the applicant has duly authorized this document, and hereby applies for assistance documented in this application. By signing this document you will act as the applicant's agent in the performance of this grant. Also, the applicant understands that construction on the project may not proceed until FEMA approval is granted.

Typed name of Authorized Representative/Applicant Agent

Title

(_____) - _____
Telephone Number

Signature of Authorized Representative/Applicant Agent

Date Signed

All Hall County Outdoor Warning Sirens				
<u>Siren</u>	<u>Description</u>	<u>Latitude / Longitude</u>	<u>Year</u>	<u>Model</u>
1	Alda, Village of North - Vine Street - North of Highway 30	N40 52.227 W98 28.054	1981	3T22
2	Alda, Village of South - Between Mercury & Jupiter	N40 51.559 W98 27.891	1981	3T22
3	Cairo, Village of - 300 South High St.- Behind Senior Citizen Center	N41 00.023 W98 36.474	1981	3T22
4	Doniphan, Village of - Fire Station	N40 46.406 W98 22.181	1981	3T22
5	Wood River - Central - 100 West 10th St - Fire Station	N40 49.297 W98 36.123	1979	1003
6	Wood River - South 100 E - Fourth & Main	N40 49.024 W98 36.061	1992	2T
7	Arizona & Northwest (Right of Way)	N40 57.205 W98 24.740	1992	STH10
8	George Park - Macron & Kay	N40 56.562 W98 24.186	1981	1000T
9	West 13th Street - 4222 West 13th Street	N40 55.905 W98 24.501	1981	1000T
10	Indian Acres - West Old Potash Hwy (Alley north of Sioux St.	N40 55.154 W98 24.529	1981	2T
11	700 Mabel Drive - (Between Edna & Lillie; West of North Road)	N40 54.719 W98 24.120	1981	1000T
12	Husker Highway & North Road (Right of Way)	N40 53.284 W98 23.858	1991	2001
13	Anna & Broadwell - 1700 Block of West Anna (Alley City Property)	N40 54.724 W98 21.189	1981	1000T
14	Amick Acres - West of Doniphan		1992	STH10
15	Ryder Park - 2700 West North Front St	N40 55.221 W98 22.327	1979	1000T
16	3436 South Locust - Across from Walmart	N40 53.138 W98 20.398	1981	2T22
17	Bismark between Stuhr & Shady Bend Road - Hooker Brothers	N40 54.991 W98 18.769	1991	2001
18	4th Street & Congdon - 1500 E 4th St.	N40 56.088 W98 19.603	1981	1000T
19	1800 Block of N Hancock (Just North of Kingston & Hancock)	N40 56.238 W98 22.409	1981	1000T
20	Kuesters Lake - 4300 East Bismark Road - Eagle Lake Road & Bismark	N40 54.957 W98 17.572	1981	1000T
21	West Park Plaza - Trailer Court West Highway 30 - behind 128 West Lane	N40 53.621 W98 25.251	1981	2T
22	Highway 30 & Claude Road - Cardinal Drive (Right of Way)	N40 54.752 W98 23.284	1991	2001
23	West Highway 30 - East of Casey's	N40 53.927 W98 24.294	1981	1000T

24	Hidden Lakes - Pintail	N40 55.617 W98 17.235	1993	STH10
25	Grand Island Rural Fire - 2009 West Highway 34	N40 53.222 W98 22.133	1981	3T22
26	2926 West Stolley Park Road	N40 54.157 W98 22.064	1979	1000T
27	Highway 281 & Capital Avenue - Northwest Corner	N40 56.803 W98 23.038	1981	2T22
28	Lafayette & Capital - Veterans Home Property	N40 56.773 W98 21.879	1992	STH10
29	Knickrehm School - 2013 North Oak Street - (20th & Plum, on school property)	N40 56.664 W98 20.808	1981	1000T
30	Howard School - 503 West 10th Street - On School Property	N40 55.908 W98 21.003	1981	1000T
31	Starr School - 315 Wyandott - On School Property	N40 53.858 W98 20.451	1980	1000T
32	Dodge School - 641 South Oak - On School Property	N40 55.079 W98 20.011	1981	1000T
33	City Hall County		1981	2T
34	Lincoln School - 610 East 8th - Corner 8th & Beal	N40 56.123 W98 20.113	1981	2T
35	Seedling Mile School - 2308 East Seedling Mile Road - On School Property	N40 55.853 W98 18.310	1981	2T22
36	Meadow Lane - Off of Stuhr Road		1993	5T
37	Airport - Central Nebraska Region Airport - Airport Managers Office		1981	1003
38	Ponderosa Subdivision – James Rd. & Ponderosa Dr.		2007	

****Is appropriate certification (a letter or resolution) included with your application that matching funds will be available to fund the non-federal share of the proposed project?**

This Page Intentionally Left Blank

R E S O L U T I O N 2010-8

WHEREAS, the City of Grand Island, Nebraska, is an eligible unit of a general local government authorized to file an application through the Federal Emergency Management Agency and Nebraska Emergency Management Agency for a Hazard Mitigation Program Grant; and

WHEREAS, the Federal Emergency Management Agency and Nebraska Emergency Management Agency are presently accepting grant applications for hazard mitigation; and

WHEREAS, a grant application has been prepared to request funding to conduct an Outdoor Warning Siren Replacement and Installation Project for the City of Grand Island and other Hall County Communities; and

WHEREAS, Council previously adopted resolution 2009-283 authorizing a three-year project with a grant total of \$180,000 and a 25% match of \$45,000, and

WHEREAS, NEMA subsequently instructed that the grant should be structured around a one-year term, and

WHEREAS, a modified \$45,000 grant is being requested to fund the program, and

WHEREAS, the required 25% cash match of \$15,000 will be provided by the City.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that:

1. The City of Grand Island, Nebraska is hereby authorized to apply for financial assistance from the Federal Emergency Management Agency and Nebraska Emergency Management Agency for the purpose of conducting a Outdoor Warning Siren Replacement and Installation Project for the City of Grand Island and other Hall County Communities; and.
2. The Mayor is hereby authorized and directed to execute such grant application and other documentation on behalf of the City of Grand Island for such grant process.

- - -

Adopted by the City Council of the City of Grand Island, Nebraska, January 12, 2010.

Peg Gilbert, Council President

Attest:

RaNae Edwards, City Clerk