



EMERGENCY ALERT SYSTEM FOR THE CITY OF MARGATE CITY

SUMMARY:

Early warning systems serve to assist communities with problems experienced from floods, hurricanes, tornadoes and thunderstorms/lightning/high winds as well as other priority hazards. With sufficient warning of a flood, our community and our residents can take protective measures such as moving personal property, cars, and people out of harm's way. When a flood threat recognition system is combined with an emergency response plan that addresses our community's flood problems, considerable flood damage can be prevented.

Audible outdoor warning systems are used by public safety agencies to alert people about natural and manmade hazards such as extreme weather conditions, flooding, nuclear accidents, and chemical spills. Sirens are the most widely used sound-making device for inclusion in an audible outdoor warning system. Sirens generate sound through mechanical, electromechanical, or electronic means and can produce audible signals ranging from tones of varying pitch, frequency, and duration to pre-recorded and live voice messages.

With an Emergency Alert System installed, our Municipality will be able to communicate important messages to the public with warnings regarding dangerous impending weather and other emergency conditions.

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PROPOSED ACTION:

Install an Emergency Siren System.

When a life-threatening emergency exists and/or evacuations have been issued, Margate will activate an emergency siren. The warning consists of a distinct siren ring for approximately 3 minutes combined with a digital voice announcing the emergency action to be taken.

There will be three siren locations strategically placed to ensure coverage. The three different site locations are:

- 1.) 1 South Washington Avenue
- 2.) Jerome Avenue & Fulton Avenue
- 3.) 405 N. Brunswick Avenue

The emergency management siren system will be tested quarterly, possibly between 11 AM and 1 PM.

PROJECT TIMELINE:

June 2019: FEMA-4368-DR-NJ Hazard Mitigation Grant Program Application submitted to the New Jersey Office of Emergency Management (NJOEM).

August 13, 2019: Project/Grant Approval Letter to NJOEM. NJOEM is named the grant recipient, who will administer the sub-grant award to the City of Margate.

August 20, 2019: Award Letter to the City of Margate received by NJOEM. Funding has been obligated in the amount of \$77,150.00 (75% federal share) to NJOEM. The total project cost includes the 75% federal share and a 25% local/state match of \$25,717.00 for a total project cost of \$102,867.000. The HMPG Period of Performance (POP) deadline of June 8, 2022 was established for the grant program.

The City of Margate will enter into a National Cooperative Purchasing Program and participate in The Interlocal Purchasing System (TIPS) to competitively go out to bid and award contract for the installation of the system.

EMERGENCY ALERT SYSTEM SPECIFICATIONS:

The Emergency Alert System will utilize electronic, high power voice and warning tones. The System will consist of non-rotating, omni-directional speaker system that is capable of providing warning tones and voice communications throughout 360 degrees.

TECHNICAL SPECIFICATIONS**SPEAKER ARRAY (3):**

The speaker array shall consist of multiple omni-directional speaker cells. Each omnidirectional speaker cell shall be comprised at up to 1600 watt speaker driver. The speaker array must be permanently fixed for horizontal sound dispersion throughout the speaker array's 360 degrees of coverage. Without exception, the speaker array MUST be a modular design.

The speaker array shall be manufactured in a manner that will endure a minimum of 30 years of ultraviolet rays without the need for painting or other service requirement.

SYSTEM DIAGNOSTIC MONITORING FUNCTIONS:

The speaker system will produce an inaudible tone for the purpose of testing the speaker system without disturbing the public. The inaudible test shall be capable of being activated by local or wireless command.

SPEAKER SIGNAL PERFORMANCE:

Speaker signal performance shall be based upon utilizing the Alert warning tone. The frequency of the Alert tone shall not to exceed 500 Hz.

SPEAKER SIGNAL PERFORMANCE:

Speaker signal performance shall be based upon utilizing the Alert warning tone. The frequency of the Alert tone shall not to exceed 500 Hz.

CONTROL STATION:

The Control Station shall include:

- Central Station Controller • Up to 10 programmable push buttons • Microphone • Connectors & Jumpers
- Power Supply W/ Battery Back-up

Location: Second Floor, 9001 Winchester Avenue, Margate , NJ

INSTALLATION (3):

The warning system sirens shall be mounted on (3) 50' Class II wood utility pole at:

- 1.) 1 South Washington Avenue
- 2.) Jerome Avenue & Fulton Avenue
- 3.) 405 N. Brunswick Avenue

Margate City




Margate City

New Jersey 08402



Summary of Comments on Margate City - Aerial.pdf

Page: 1

 Number: 1 Author: cheag Subject: Sticky Note Date: 6/4/2019 11:43:31 AM -04'00'

Site 3
405 N Brunswick Drive
Margate, NJ 08402

Latitude 39.338314
Longitude -74.500042

 Number: 2 Author: cheag Subject: Sticky Note Date: 6/4/2019 11:44:24 AM -04'00'

Site 2
Jerome Avenue & Fulton Avenue
Margate, NJ 08402

Latitude 39.333937
Longitude -74.507540

 Number: 3 Author: cheag Subject: Sticky Note Date: 6/4/2019 11:43:40 AM -04'00'

Site 1
1 S. Washington Avenue
Margate, NJ 08402

Latitude 39.338314
Longitude -74.500042



**1 S. WASHINGTON AVENUE
MARGATE, NJ 08402**

**LATITUDE: 39.322390
LONGITUDE: -74.513470**

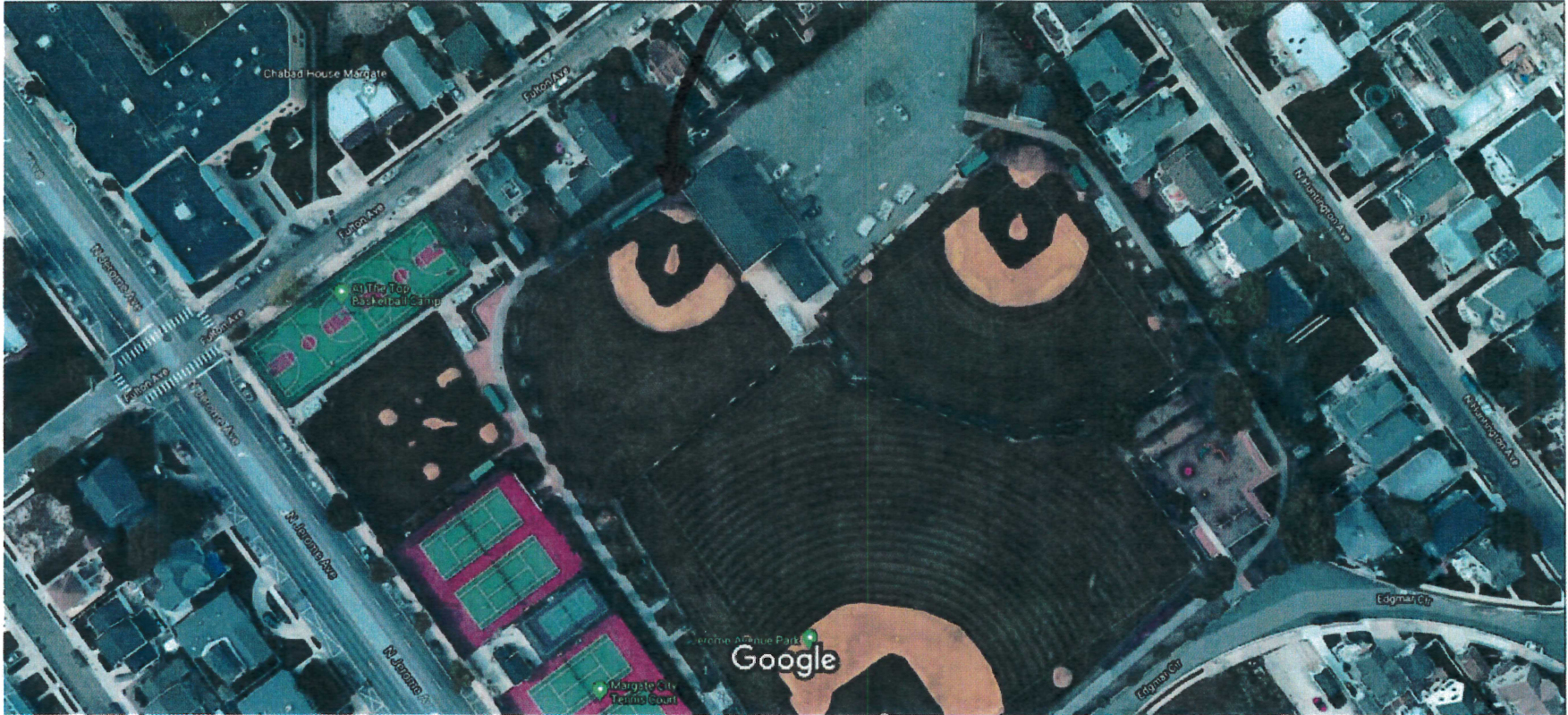
SITE 1

Google Maps

Pole Location

15C Jerome Ave

510.05 / 97



Imagery ©2019 Google, Map data ©2019 50 ft

**JEROME AVENUE
MARGATE, NJ 08402**

**LATITUDE: 39.333937
LONGITUDE: -74.507540**

SITE 2



**JEROME AVENUE
MARGATE, NJ 08402**

**LATITUDE: 39.333937
LONGITUDE: -74.507540**

SITE 2



**JEROME AVENUE
MARGATE, NJ 08402**

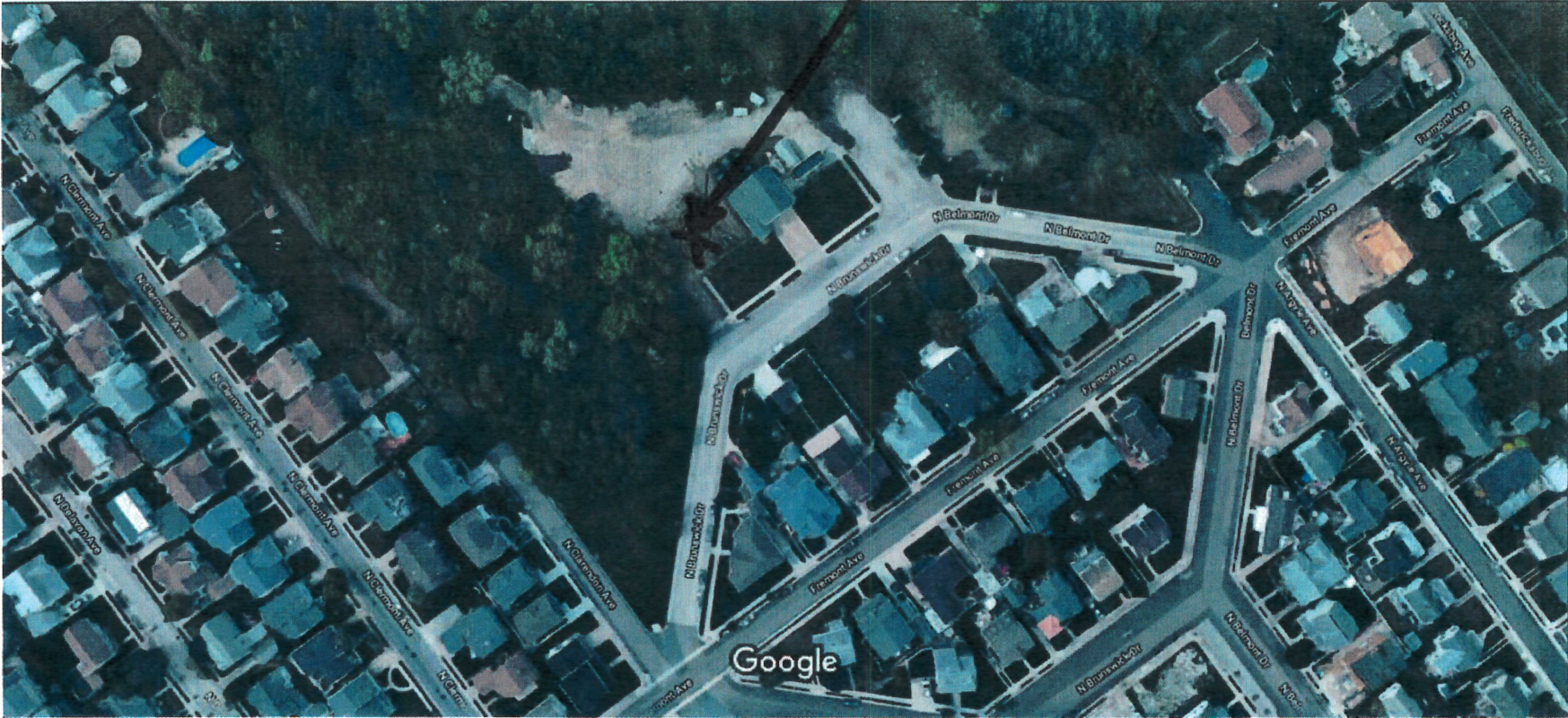
**LATITUDE: 39.338314
LONGITUDE: -74.500042**

SITE 2

405 N. Brunswick

• Pole Location

602.05 / 197



Imagery ©2019 Google, Map data ©2019 50 ft

SITE 3

**405 N. BRUNSWICK
MARGATE, NJ 08402**

**LATITUDE: 39.338314
LONGITUDE: -74.500042**



**405 N. BRUNSWICK
MARGATE, NJ 08402**

**LATITUDE: 39.338314
LONGITUDE: -74.500042**

SITE 3



**405 N. BRUNSWICK .
MARGATE, NJ 08402**

**LATITUDE: 39.338314
LONGITUDE: -74.500042**

SITE 3



FEMA

August 13, 2019

Captain Bryan Lawyer
Governor's Authorized Representative
New Jersey Office of Emergency Management
P.O. Box 7068
Trenton, NJ 08625

RE: FEMA-4368-DR-NJ
Hazard Mitigation Grant Program (HMGP) 4368-0006
City of Margate
Margate Emergency Alert System - Project Approval Letter

Dear Captain Lawyer:

Please be informed that approval is granted to the New Jersey Office of Emergency Management (NJOEM) for funding of the Hazard Mitigation Grant Program (HMGP) project number 4368-0006 for the Margate Emergency Alert System. NJOEM, as the grant recipient (hereinafter known as the Recipient), will administer this sub-grant award to City of Margate (hereinafter known as the Sub-recipient).

Funding has been obligated in the amount of \$77,150.00 (75% federal share) to NJOEM for the federally funded portion of the referenced sub-grant. The total project cost includes the 75% federal share and a 25% local/state match of \$25,717.00 for a total project cost of \$102,867.00. Approval is contingent upon the fulfillment of all conditions identified by FEMA (see the attached COA).

The HMGP Period of Performance (POP) deadline of June 8, 2022 has been established for this grant program. NJOEM must administer this sub-grant within the grant program POP. This POP provides ample time for the sub-recipient to complete all activities identified within the approved scope of work, and to address any potential delays that may arise due to permitting requirements, weather conditions or other unforeseen circumstances. It also includes sufficient time for NJOEM to conclude its administrative contract requirements after the project is completed.

The approved Scope of Work (SOW) as outlined within the application consists of the installation of Emergency Alert System in the City of Margate at three (3) different site locations.

Any change to the approved Scope of Work as identified within the application must be submitted to FEMA for consideration and approval prior to implementation. This includes any potential extension of the sub-recipient project schedule as identified within the conditions of approval. Execution of any modification to the approved scope of work without prior FEMA approval may jeopardize funding for the sub-grant project as a whole. In accordance with 2 CFR Part 200, the

Capt. Lawyer
August 13, 2019
Page 2

Recipient must ensure that Sub-recipients are aware of requirements imposed upon them by Federal Statute and regulations.

FEMA urges your office to meet with the Sub-recipient to review the project requirements as soon as possible. At this meeting, please discuss in detail the COA and project schedule including quarterly performance reporting and fiscal documentation requirements. FEMA is available to assist the Recipient and Sub-recipient in the implementation of this project.

Should additional information be required, please contact Robert Tranter at (212) 680-3628.

Sincerely,

**ROBERT J
TRANTER** Digitally signed by
ROBERT J TRANTER for
Date: 2019.08.14
11:58:21 -04'00'

Michael Moriarty, Director
Mitigation Division

CC: SFC Bradley Waugh, State Hazard Mitigation Officer

COA Attachment: Conditions of Approval (COA)
Record of Environmental Consideration



State of New Jersey
OFFICE OF THE ATTORNEY GENERAL
DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF STATE POLICE
POST OFFICE BOX 7068
WEST TRENTON, NJ 08628-0068
(609) 882-2000

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

GURBIR S. GREWAL
Attorney General

PATRICK J. CALLAHAN
Colonel

August 20, 2019

Honorable Michael S. Becker
Mayor of Margate
9001 Winchester Avenue
Margate, New Jersey 08402

Dear Mayor Becker:

Re: Award to the City of Margate - Atlantic County – Margate Emergency Alert System – Under HMGP-DR-4368-NJ-0006

This office is pleased to inform you that the Federal Emergency Management Agency (FEMA) has awarded the City of Margate a Hazard Mitigation grant for an emergency alert system. The period of performance declared deadline date is June 8, 2022. The total project cost is \$102,867.00 with a 75% Federal share of \$77,150.00 and a 25% non-Federal share of \$25,717.00.

A "Grantee/Sub-grantee Agreement" for this project is in the process of being developed for your endorsement and is forthcoming. **Project work should not begin until the agreement is signed by both the grantee and sub-grantee.**

If you have any questions regarding this correspondence, please contact the Mitigation Unit at (609) 963-6900 X 6208.

Sincerely,

FOR COLONEL PATRICK J. CALLAHAN

Sylvia Hastry
Project Manager, Mitigation Unit
Recovery Bureau - Emergency Management Section

SH/gm

cc: *via email*
Vincent J. Jones, Atlantic County OEM



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