



Legislation Text

File #: 22-1048, Version: 1

TO: Mayor and Commissioners
FROM: Missie Barletto, Director Public Works
THROUGH: Terrence R. Moore, ICMA-CM
DATE: September 6, 2022

PRESENTATION AND ADOPTION OF THE FIRE RESCUE DEPARTMENT MASTER PLAN

Recommended Action:

Recommend Adoption of the Fire Rescue Department Master Plan

Background:

The Public Works Department and Delray Beach Fire Rescue (DBFR) have coordinated with WGI engineering firm to create a master plan for structural hardening of the five building facilities and envelopes to resist the design load generated from wind speed of 210 mph which is above and beyond the wind speed specified by Florida Building Code (wind speed of 186 mph) and ICC/NSSA 500 Standard for design and construction of storm shelters for inclement weather (wind speed of 200 mph):

- Fire Station 111 HQ (501 W. Atlantic Avenue)
- Fire Station 115 (4000 Old Germantown Road)
- Fire Station 112 (35 N. Andrews Avenue)
- Ocean Rescue (340 South Ocean Boulevard)
- Fire Station 114 (4321 Lake Ida Road)

This design approach ensures that the building will be operational during and after the storm events. Building hardening will also require a significant reinforcement and modification to existing foundation, structural walls, and roof framings.

In addition to the improvement of these facilities to withstand major storms, the plan also addresses interior programming and space allocation requirements for these facilities to provide for adequate space and storage needs into the future. Site visits were conducted by WGI with all stakeholders to discuss the existing conditions, current needs, and future growth. It has been determined that all facilities are currently outgrown and will require significant upgrades to meet current demand and future growth, meet Florida Building Code requirements and improve overall operations of the DBFR facilities. All analyzed facilities have a developed building program for current and future needs to assist with evaluating the sizes of rooms and specifically identify the main concerns regarding available square footage.

With this initial building hardening and interior programming analysis, WGI also developed cost estimates of probable construction costs for each facility, comparing renovation/addition costs to overall new construction costs. The cost estimates for each facility follow and include costs based on current market prices, which are both volatile and unpredictable.

City Attorney Review:

Not applicable.

Funding Source/Financial Impact:

To be determined

Timing of Request:

This request is not time sensitive