

City of South Daytona

Office of the City Manager

1672 S. Ridgewood Avenue • South Daytona, FL 32119 • 386/322-3014



MEMORANDUM

To: James L. Gillis Jr., City Manager

From: Becky Witte, Deputy City Clerk

Re: Consideration of approving Resolution No. 2023-30, 2023-31, and 2023-32 authorizing submittal of applications to the State of Florida Hazard Mitigation Grant Program (HMGP) and authorizing acceptance and execution of the grants, if awarded.

Date: September 13, 2023

The State of Florida Hazard Mitigation Grant Program (HMGP) administered by the Federal Emergency Management Agency (FEMA) has opened applications for Hurricane Nicole. Hazard Mitigation Grant funds are to be used for projects that will reduce or eliminate losses from future natural and man-made disasters. Funds must be used to provide a long-term solution to a problem such as hardening critical facilities, alleviating flooding and protecting against wind damage.

Staff submitted several projects for consideration as a part of the Hurricane Ian round of funding. For our Hurricane Nicole submittal, staff has worked with the County to develop and identify three potential projects whose budgets far exceed what our small City can afford to implement but would be ideal candidates for these grant programs.

The first project (Resolution No. 2023-30) is for the Sandusky Circle Sanitary Sewer Lining. During flooding events within Sandusky Circle, a small residential area adjacent to the Halifax River, stormwater infiltrates the Sanitary Sewer System through leaks and cracks in the pipes. When this occurs, sewage from sanitary sewer lines can back up into houses. These backups not only cause damage to residential homes, but also create health hazards when sewage effluent overflows into the Halifax River.

Preventing stormwater from infiltrating the sanitary sewer system will also prevent lift station back-ups. Lift stations become inundated during these heavy rain events and when backups occur, overflows will impact the local environment, residential areas and create health hazards.

In order to prevent the stormwater from infiltrating the sanitary sewer lines, the city will have these lines repaired and relined where leaks are identified. This lining will rejuvenate the sewer system, preventing stormwater intrusion into the sewer system and, as a result,

will help mitigate sewage overflows during severe weather events.

The fund request for this project will total \$750,000. If the project is selected for HMGP funds, FEMA will contribute up to 75 percent (\$562,500) of the total amount approved with the City funding the remaining 25 percent (\$187,500) non-federal share.

The second project (Resolution No. 2023-31) is for rehabilitation and hardening of Lift Station #2 on the corner of Big Tree Road and Anastasia Blvd. During Hurricanes Ian and Nicole, Sewer Lift Station #2 became inundated with floodwaters due to its low elevation. The pumps and control panel were significantly damaged. When the station was down due to the floodwaters, sewer backed up into homes and roadways. This was not the first occasion where this happened. In 2017, this area was hit by Hurricane Irma where this lift station again flooded causing sewer backups in residential homes and roadways. To ensure this event does not happen again, the station and control panels need to be raised and the pumps need to be replaced with submersibles that include watertight seals.

Sewer Lift Station #2 is a pump station that has a regional impact on this area. This station is the City's 3rd biggest and one of the most valuable lift stations to convey sewage. This station helps regulate the amount of sewer effluent received by the City of Daytona Beach, our neighboring municipality. Thus, this station is vital to both the City of South Daytona and the City of Daytona Beach.

The project is estimated to cost \$2,500,000. If the project is selected for HMGP funds, FEMA will contribute up to 75 percent (\$1,875,000) of the total amount approved with the City funding the remaining 25 percent (\$625,000) non-federal share. That is why City staff are requesting permission to apply for various grants on this project.

The third project (Resolution No. 2023-32) is for Stormwater Lining on Segrave Street. Flooding results when the volume of water runoff from a storm is greater than a drainage system's capacity. The City's stormwater drainage is diminished when there is blockage or infiltration within the City's stormwater pipes. With the high number of flood prone areas within the City of South Daytona, it is imperative that the City keep their stormwater infrastructure clean and without infiltration. As the system ages, line damage, leaks and breakage occur. When the stormwater infrastructure fails, the overflow of stormwater enters residential properties through openings such as a door, window, or cracks in the building's foundation.

When groundwater infiltrates the stormwater pipes, it enters our ponds thereby reducing the capacity exacerbating flooding. In addition, the groundwater in sections of South Daytona is slightly brackish. When this brackish groundwater enters our pipes through cracks making its way to a primarily freshwater pond, aquatic life suffers.

The City is able to televise the City's stormwater pipe infrastructure to identify blockages and breaks, leaks and areas of high infiltration in a critical area on Segrave Street. This street is adjacent to both residential and commercial structures. After these areas are identified, the pipes can be repaired through grouting, joint sealing, and lateral lining of the pipes.

The fund request for this project will total \$750,000. If the project is selected for HMGP funds, FEMA will contribute up to 75 percent (\$562,500) of the total amount approved with the City funding the remaining 25 percent (\$187,500) non-federal share.

It is important to note that HMGP grant applications can take 3-5 years for projects to be selected, if any are awarded. This request will give staff the authorization to apply for these grants and execute any agreements if any of these projects are selected in the future.

Staff recommends approval of Resolution No. 2023-30, 2023-31, and 2023-32, authorizing submittal of the applications and authorizing acceptance and execution of the grants, if awarded.

RESOLUTION NO. 2023-30

**A RESOLUTION OF THE CITY OF SOUTH DAYTONA, FLORIDA,
AUTHORIZING SUBMITTAL OF AN APPLICATION TO THE STATE OF
FLORIDA HAZARD MITIGATION GRANT PROGRAM (HMGP) FOR
SANDUSKY CIRCLE SANITARY SEWER LINING REHABILITATION
PROJECT AND AUTHORIZING ACCEPTANCE AND EXECUTION OF
THE GRANTS, IF AWARDED.**

WHEREAS, the City of South Daytona is vulnerable to natural and man-made disasters that can cause loss of life and damages to public and private property; and

WHEREAS, the City of South Daytona desires to seek ways to mitigate situations that may aggravate such circumstance; and

WHEREAS, the City of South Daytona is committed to protecting its citizens and property through mitigation efforts; and

WHEREAS, the City of South Daytona desires to apply for a Hazard Mitigation Grant through the Department of Community Affairs, Division of Emergency Management in partnership with the Federal Emergency Management Agency.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SOUTH DAYTONA, FLORIDA:

Section 1. The City Council of South Daytona hereby authorizes the City Manager to execute and submit all documents relating to the Hazard Mitigation Grant Program (HMGP), including but not limited to all documents relating to submittal of an application, and acceptance and execution of a grant agreement, if awarded, for the Sandusky Circle Sanitary Sewer Lining Rehabilitation Project.

Section 5. That this Resolution shall become effective immediately upon its adoption.

THIS RESOLUTION APPROVED ON FIRST AND ONLY READING this 26th day of September 2023 by the City Council of the City of South Daytona, Florida.

CITY OF SOUTH DAYTONA, FLORIDA

William C. Hall, Mayor

ATTEST: _____
James L. Gillis Jr, City Manager

APPROVED AS TO FORM AND LEGALITY:

Wade C. Vose, City Attorney

RESOLUTION NO. 2023-31

A RESOLUTION OF THE CITY OF SOUTH DAYTONA, FLORIDA, AUTHORIZING SUBMITTAL OF AN APPLICATION TO THE STATE OF FLORIDA HAZARD MITIGATION GRANT PROGRAM (HMGP) FOR THE REHABILITATION AND HARDENING OF LIFT STATION NO. 2 LOCATED AT THE CORNER OF BIG TREE ROAD AND ANASTASIA DRIVE AND AUTHORIZING ACCEPTANCE AND EXECUTION OF THE GRANTS, IF AWARDED.

WHEREAS, the City of South Daytona is vulnerable to natural and man-made disasters that can cause loss of life and damages to public and private property; and

WHEREAS, the City of South Daytona desires to seek ways to mitigate situations that may aggravate such circumstance; and

WHEREAS, the City of South Daytona is committed to protecting its citizens and property through mitigation efforts; and

WHEREAS, the City of South Daytona desires to apply for a Hazard Mitigation Grant through the Department of Community Affairs, Division of Emergency Management in partnership with the Federal Emergency Management Agency.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SOUTH DAYTONA, FLORIDA:

Section 1. The City Council of South Daytona hereby authorizes the City Manager to execute and submit all documents relating to the Hazard Mitigation Grant Program (HMGP), including but not limited to all documents relating to submittal of an application, and acceptance and execution of a grant agreement, if awarded, for the Rehabilitation and Hardening of Lift Station No. 2 located at the corner of Big Tree Road and Anastasia Drive.

Section 5. That this Resolution shall become effective immediately upon its adoption.

THIS RESOLUTION APPROVED ON FIRST AND ONLY READING this 26th day of September 2023 by the City Council of the City of South Daytona, Florida.

CITY OF SOUTH DAYTONA, FLORIDA

William C. Hall, Mayor

ATTEST: _____
James L. Gillis Jr, City Manager

APPROVED AS TO FORM AND LEGALITY:

Wade C. Vose, City Attorney

RESOLUTION NO. 2023-32

**A RESOLUTION OF THE CITY OF SOUTH DAYTONA, FLORIDA,
AUTHORIZING SUBMITTAL OF AN APPLICATION TO THE STATE OF
FLORIDA HAZARD MITIGATION GRANT PROGRAM (HMGP) FOR
STORMWATER PIPE LINING PROJECT ON SEGRAVE STREET AND
AUTHORIZING ACCEPTANCE AND EXECUTION OF THE GRANTS, IF
AWARDED.**

WHEREAS, the City of South Daytona is vulnerable to natural and man-made disasters that can cause loss of life and damages to public and private property; and

WHEREAS, the City of South Daytona desires to seek ways to mitigate situations that may aggravate such circumstance; and

WHEREAS, the City of South Daytona is committed to protecting its citizens and property through mitigation efforts; and

WHEREAS, the City of South Daytona desires to apply for a Hazard Mitigation Grant through the Department of Community Affairs, Division of Emergency Management in partnership with the Federal Emergency Management Agency.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SOUTH DAYTONA, FLORIDA:

Section 1. The City Council of South Daytona hereby authorizes the City Manager to execute and submit all documents relating to the Hazard Mitigation Grant Program (HMGP), including but not limited to all documents relating to submittal of an application, and acceptance and execution of a grant agreement, if awarded, for the Segrave Street Stormwater Pipe Lining Project.

Section 5. That this Resolution shall become effective immediately upon its adoption.

THIS RESOLUTION APPROVED ON FIRST AND ONLY READING this 26th day of September 2023 by the City Council of the City of South Daytona, Florida.

CITY OF SOUTH DAYTONA, FLORIDA

William C. Hall, Mayor

ATTEST: _____
James L. Gillis Jr, City Manager

APPROVED AS TO FORM AND LEGALITY:

Wade C. Vose, City Attorney