FloodStat
Increasing the City’s Resilience to Flooding, SLR, and Storm Surge.
PURPOSE

Establish accountability around the Mayor’s priorities.

Foster an environment for open, collaborative discussion so everyone WINS.

Represents a strong partnership between the Mayor’s Office and department leadership and their shared interest in using data to drive performance and decision-making.
TIDEYE: LOCAL TIDE TRENDS
<table>
<thead>
<tr>
<th>KPI 1:</th>
<th>No preventable loss of life or injuries during a flood event.</th>
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</thead>
<tbody>
<tr>
<td>KPI 2:</td>
<td>Reduce flood damage to private property.</td>
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<td>KPI 3:</td>
<td>Reduce the economic impact of SLR and flooding events.</td>
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<td>KPI 4:</td>
<td>Reduce the flood risk to the City.</td>
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<td>KPI 5:</td>
<td>Reduce the flood risk to the City through Community Activism.</td>
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Stormwater Management

- Rehabilitate roadside drainage systems by 2026.
- Clean rear yard systems (hand cleaning) twice every year.
- **SMART GOAL DEFINING IN PROGRESS:** Reduce the number of requests for stormwater maintenance (needs to be normalized by tidal/rain events)

Public Service / Fleet

- Convert light duty fleet to a green fleet by 2035. (needs more specificity... reduction in Co2 emissions?)
# Proposed 2021 Schedule

<table>
<thead>
<tr>
<th>Month</th>
<th>Departments</th>
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<tbody>
<tr>
<td>October</td>
<td>Sustainability / Housing</td>
</tr>
<tr>
<td>November</td>
<td>Police / Planning</td>
</tr>
<tr>
<td>December</td>
<td>Floodplain Manager</td>
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</tbody>
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NEXT FLOODSTAT MEETING

Thursday, October 7th
Stormwater Management Department

FLOODSTAT
UPDATE
SEPT 2021
Infrastructure Rehabilitation

ROADSIDE OPEN DITCH SYSTEMS

○ WORK PERFORMED BY IN-HOUSE FORCES
○ SYSTEM ~114 ROAD MILES
○ WORK TO DATE ~45 ROAD MILES REHABILITATED
○ WORK RATE ~20 ROAD MILES PER YEAR
○ ESTIMATED COMPLETION ~2025
Infrastructure Rehabilitation

ROADSIDE CLOSED SYSTEMS

- CURRENT EFFORTS
  - WORK PERFORMED BY IN-HOUSE FORCES AND CONTRACTOR FORCES
  - SYSTEM ~312 ROAD MILES
  - WORK TO DATE ~7 ROAD MILES REHABILITATED
  - WORK RATE ~ 3 ROAD MILES PER YEAR
  - NOTE: DOES NOT INCLUDE BRICK ARCHES
Infrastructure Rehabilitation

REAR/SIDE YARD SYSTEM

○ WORK PERFORMED BY IN-HOUSE FORCES AND TEMPORARY CREWS PRIMARILY BY HAND WORK

○ REHABILITATION WORK COMPLETED 2019-2020

○ PURCHASING WALKING EXCAVATOR TO SUPPLEMENT WORK FORCES

○ TRANSITIONING TO TARGET OF 2 MAINTENANCE CYCLES PER YEAR

○ STAFFING IMPACTS

○ ESTIMATED TIME TO ACHIEVE GOAL ~2023
Prioritization System

PROJECTS BEING SCORED

○ BROAD/LOCKWOOD KNEE WALL
○ BRICK ARCH RESTORATION – COMING ST
○ DUWAP PROJECTS 1-4
○ DUWAP PROJECTS 5-10
○ CENTRAL PARK PROJECTS 1-2
○ MEDICAL DISTRICT TUNNEL EXT AT EHRHARDT
○ WESPANNEE AREA DRAINAGE
○ FORT ROYAL DRAINAGE
○ LAKE DOTTERER/LONG BRANCH CREEK
○ BENNET AT GADSDEN PUMPING
○ BARBERRY WOODS PH 2
○ CHURCH CREEK WA CIRCLE WETLAND RESTORATION