COMMUNITY DEVELOPMENT BLOCK GRANT – MITIGATION
GENERAL INFRASTRUCTURE PROGRAM APPLICATION
TWIN LAKES SUBDIVISION
ROAD MITIGATION PROJECT
SEPTEMBER 14, 2020

MONROE COUNTY
BOARD OF COUNTY COMMISSIONERS
1100 SIMONTON STREET
KEY WEST, FLORIDA 33040

JUDITH CLARKE,
SENIOR DIRECTOR OF ENGINEERING SERVICES DEPARTMENT
Purpose and Description: Monroe County, Florida is the southernmost county in the continental United States, and is largely comprised of an island archipelago extending south 112 miles from Key Largo, and west to Key West. Since much of this island chain is at or near sea level, many of its coastal roads experience tidal flooding on a routine basis. The Twin Lakes Subdivision in Key Largo is a community that already experiences significant prolonged flooding.

This grant application requests $7,180,204 in Community Development Block Grant-Mitigation funds to mitigate 4,633 linear feet of roadways in the Twin Lakes subdivision and construct a "pump and treat" storm water drainage system including construction of drainage structures, wet wells, pollution treatment device, and a related elevated pump station.

This pilot project is a strategic investment to minimize risk and reduce losses on Shaw Drive, Crane Street, and Adams Drive. These roads are low lying and subject to frequent and persistent flooding due to storms, tides, and sea level rise. These streets are bordered by wetlands and canals 44 and 47 on the bayside in Key Largo. The existing drainage basin is 17.98 acres encompassing a total of 233 residential structures of which 123 homes are estimated to qualify as low to moderate income. Two properties within the Twin Lakes Subdivision have been designated repetitive loss properties.

Monroe County Board of County Commissioner's through General Revenue Funds has already expended $320,750 to complete the project design, which is currently at 90% completion. The County has also obtained all necessary permits. This project is “shovel ready”.

With the design near completion, the project is ready for the
construction phase. The design includes installation of a pretreated pressurized closed drainage system and elevating portions of residential streets to 5 inches target elevation as determined by NAVD88 and the County’s adopted interim standard methodology adapting transportation infrastructure for sea level rise. The drainage system to be constructed with this grant consists of a gravity collection system with a pump station discharging into five (5) injection wells.

The engineering design and permitting phase has been completed for this project. The permitting phase of the project included survey, geotechnical and environmental investigations as needed to support development of construction plans and technical specifications. The storm water system is designed in accordance with South Florida Water Management District (SFWMD), the Florida Department of Environmental Protection (FDEP), and National Environmental Policy Act (NEPA) requirements. The necessary permits have been obtained for the system and the injection wells. The analysis considered future impacts due to sea level rise to the area as well as any environmental impacts and the design scope. Meeting environmental pollution requirements and protecting the pristine environment of the Florida Keys through treatment of storm water prior to release is a priority to the community, the county, and the entire State of Florida. This “Area of Critical State Concern” is an environmental treasure and a strong economic engine to the State of Florida.

**Mitigated Risks**: Twin Lakes Subdivision of Monroe County, faces frequent tidally-influenced inundation of residential access roads. The Twin Lakes Subdivision of Monroe County, would combine roadway repair and drainage improvement to alleviate the loss of roads, access, and floodwater inundation impacts to this neighborhood. The proposed project area is partially located within the VE 9, AE 7, AE 9, AE 10 FIRM Flood Hazard Areas. It is considered highly likely to be inundated by future sea level rise. (See the Project Site Map in the Community Value Section of this application).

When this flooding occurs, residents are either trapped or prevented from reaching their homes. Frequent, prolonged saltwater inundation can damage roads, infrastructure, and private homes. Public and private vehicles experience severe damage and shortened live spans due to the repeated salt-water exposure. Blocked streets create traffic congestion, which in turn delays business and causes other commercial interruptions. During flooding events, emergency response times are increased, escalating the risk to the citizens. **This mitigation project will ensure the ongoing viability of this residential neighborhood and enhance the community lifelines of safety and security, transportation, and health and medical.**
While tropical storms create significant problems, the slow and imperceptible rise in sea level tides block streets and inundate flood waters into homes on a monthly, or more frequent, basis. The loss of any additional residential structures, in the aftermath of Hurricane Irma’s devastating blow to the housing stock countywide, must be prevented. Identifying viable storm water management solutions, in the wake of increasing tropical storm activity and rising sea levels is an absolute priority for Monroe County. These efforts are detailed in the Community Value Section of this application.

According to Federal Highway Administration “Non-point source pollution accounts for 80 percent of the degradation of waters in the United States.” Protecting the fragile marine environment in the Florida Keys is paramount to protecting this “Area of Critical State Concern”.

**Natural Infrastructure:** This project does not incorporate natural infrastructure but does treat storm water runoff, which contributes to enhanced near shore water quality.

**Staffing:** The project will be implemented by a highly experienced and qualified project management team consisting of the following individuals:

- Administrative Program Executive, Judith Clarke, P.E. Director of Engineering Services
- Project Manager, Debra London, Engineering Services Department, Project Manager
- Contract Manager, Olympia Newton, Senior Engineering Technician - Invoicing and Reimbursement processing, Engineering Services Department

**MITIGATED RISK**

When flooding occurs, the Twin Lakes Subdivision faces the following risks affecting community lifelines including safety and security, health and medical, and transportation:

- **Access:** residents are either trapped or prevented from reaching their homes;
- **Emergency Responder Access:** emergency responders fail to reach victims or emergency response times may increase escalating risk to life and safety;
- **Infrastructure Damage:** frequent, sustained saltwater inundation damages roads, infrastructure, and private homes;
- **Vehicle Damage:** Public and private vehicles experience severe damage and shortened live spans due to repeated salt water exposure;
- **Post Disaster Operations:** search and rescue, damage assessment, debris removal, and infrastructure repairs are delayed;
- **Economic Impact:** Blocked streets create traffic congestion, which in turn delays business and causes other commercial interruption.
Road Maintenance, Monroe County Roads and Bridges Department

Further information on each of the team members is detailed in the *Capacity Plan Section* of this application including a biographical summary of each team member.

**Vendor Services:** In addition to internal staff, Monroe County will solicit vendor services for construction services, and construction, engineering and inspection (CEI) services, and historical and environmental reviews. All procurement processes will comply with the procurement standards in 2 C.F.R. §200.318 - §200.326 when procuring property and services under this Agreement.

**Work Plan:** The drainage system to be constructed with this grant consists of a gravity collection system with a pump station discharging into 5 injection wells. All runoff will be routed to the pump station using trunk lines along Shaw Drive and Adams Drive. The drainage design includes 54 inlets, 36 manholes, above ground electrical pump station control and distribution panel and components, generator, underground valve box, wet well, pollution treatment unit structure and a solids storage sump. The design storms for this system are the 10-year SCS Type II storms with durations of 24 and 72 hours correspondingly.

Monroe County will complete the project over a period of approximately two years and four months. The permitting process is complete and once the environmental review process is complete, we estimate that the construction phase will be conducted between

---

![Figure 2: Conceptual Design of Road Mitigation Project](image)

---

**GIP Project Description**  
**Page 4 of 6**
between December 2021 and July 2023 assuming that contracts are executed within a timely manner.

**Funding:** The Monroe County Engineering Services Department, working in close partnership with the residents of Twin Lakes Subdivision, have comprehensively evaluated the roadway and potential mitigation options. This proposed mitigation initiative will create an enhanced roadway and storm water drainage system that will avoid flooding and enhance the resilience of the community at a total cost of $7,842,869 ($320,750 in design costs paid by the MC BOCC and $7,180,204 requested in CDBG-MIT Funds for construction and administration). Additional budget details are provided in the table insert and in the Budget Document.

**Costing Methodology:** The Monroe County Engineering Services Department design consultant WSP USA, Inc. has provided a detailed cost estimate in the *Budget Document.* WSP USA, Inc. is an experienced drainage and roadway construction design firm and has designed other projects for flooding in South Florida, specifically Miami Beach. Raising the roads and installation of pump stations are also compared to historical costs of roadway improvement projects maintained by the County and the Florida Department of Transportation (FDOT) regional historical costs. The Engineer of Record estimates the actual cost of Project Construction at $6,838,290 this includes the construction contingency and construction engineering and inspection costs.

**Administration:** The project has also incorporated compensation for Project Manager and Project Team for project administration and implementation of the project. Estimated cost is $341,914, which represents five (5) percent of the total construction cost of $7,180,204. Since the design phase was completed outside of the approved project period, the cost of the design $320,750 was not included to calculate the 5% administrative cost.

**Outcomes:** Shaw Drive, Crane Street, and Adams Drive in the Twin Lakes Subdivision are residential roads, which provide access to a total of 233 residential structures of which 123 homes are estimated to qualify as low to moderate income. The frequent and persistent flooding in this community has resulted in designating two (2) properties as repetitive losses within the National Flood Insurance Program. The road mitigation project will ensure the long-term viability of this residential area.

<table>
<thead>
<tr>
<th>Table 1: Project Budget Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Design, survey, permitting, and land acquisition (COMPLETE &amp; FUNDED BY BOCC)</td>
</tr>
<tr>
<td>Mobilization</td>
</tr>
<tr>
<td>Maintenance of Traffic</td>
</tr>
<tr>
<td>Roadway Construction</td>
</tr>
<tr>
<td>Utility Adjustments</td>
</tr>
<tr>
<td>Drainage system construction</td>
</tr>
<tr>
<td>Contingency</td>
</tr>
<tr>
<td>Construction Engineering and Inspection (CEI)</td>
</tr>
<tr>
<td>Project Administration</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>
**Maintenance:** The Road Maintenance Division is responsible for the day-to-day maintenance and operations of County maintained roads. Staff will continue to maintain this roadway and drainage improvement structure within their routine maintenance schedule. The county has in place a pavement maintenance and rehabilitation program that rejuvenates the pavement 5 years after new pavement is installed. Based upon publically available funds, the Board of County Commissioners will direct the percentage of the budget, which is, dedicated to road maintenance operations.

*Figure 1: Above ground components of elevated storm water pump station*
The Twin Lakes Subdivision road mitigation project will provide value to the community in normal circumstances by continuing to provide access to the residential homes, which are currently subject to frequent and prolonged flooding. During flood events, roads are blocked prohibiting access to the community by homeowners, businesses services, public services, and emergency services. The road may flood during heavy rainfall and King Tides even in normal times.

*During times of natural disasters, the project will provide value to the community by ensuring that residents can safely evacuate their homes, emergency services can reach disaster victims, roads can be cleared of debris, power lines can be restored, damages assessed, and recovery can occur through access to the neighborhood.*

**Community Lifelines:** With the completion of the Twin Lakes Road Mitigation Project, the following community lifelines would be enhanced:

**Safety and Security:** Reestablishing community safety in the aftermath of a disaster is at the core of post disaster response operations. Maintaining accessibility to residential areas is essential in order to conduct *law enforcement and security activities, fire services, search and rescue* and other vital governmental services. Functional roadways are vital for continuity of operations and reestablishing a residential community after a disaster. Some of the residents are themselves considered essential personnel who need viable housing in order to continue working during disaster recovery.

**Health and Medical:** Disaster victims may require *medical care, patient movement, public health support, and medical supplies* in the aftermath of a large-scale disaster. Elevating roadways and ensuring that storm water can be effectively treated and removed is vital to reestablishing the health and medical lifelines.

**Transportation:** Functional roadways are a vital component of the transportation lifelines. The roads within the Twin Lakes Subdivision service as vital residential access roads for persons, goods, and services.
Community Resilience: Being an island community, we must contend with the reality of a high vulnerability to hurricane events, King Tides, and other flooding events that bring community devastation and large quantities of floodwaters to our neighborhoods, roads, critical facilities, and businesses. It is through a strong commitment to mitigation activities, that the Florida Keys have been able to build resilience. In the aftermath of Hurricane Irma (2017), the mitigating investments in the critical infrastructure, including the power grid, water supply systems, and waste water systems was clearly demonstrated. The Florida Keys did NOT experience prolonged service outages to these critical public services that have been hardened in recent decades.

Residential neighborhoods were less successful in withstanding the hurricane’s devastation. Many homes throughout the county were constructed prior to the current building code with insufficient elevation and wind-load resilience. Residential roads throughout the Keys remained flooded in the aftermath of hurricanes and experience prolonged flooding during lesser events. These roads are suffering from the effects of sea level rise and insufficient storm water drainage systems.

Through the Monroe County Comprehensive Plan, the leadership has demonstrated a strong commitment to enforcing floodplain management strategies as well as embracing a better understanding and taking action to reduce the effects of climate change.

- **Chief Resilience Officer**: Monroe County Board of County Commissioners has funded a full-time Director and staff to manage long-term resilience of the Florida Keys.

- **GreenKeys Action Plan**: The County approved the GreenKeys! Sustainability Action Plan (“GreenKeys! Plan”) which made recommendations to address climate and sustainability issues throughout the County and has guided ongoing efforts. Monroe County conducted a Pilot Project to assess the implications of tidal flooding on its roadway improvement program in two communities. This effort was motivated by two significant events. The first was the release of the County’s GreenKeys! Sustainability Action Plan (“GreenKeys! Plan”) in 2016, which made recommendations concerning infrastructure planning. The second was the King Tide Tidal Flooding Events of 2015 and 2016, which due to a combination of tidal and storm conditions caused long-term, disruptive flooding in these two areas. Even before the 2015 and 2016 flooding events, the residents in these communities indicated that they had experienced various levels of increasingly problematic tidal flooding for years, which will only
be exacerbated but future predicted flooding conditions. The GreenKeys! Plan indicated that approximately 144 miles of roadways may be exposed to tidal flooding by 2030, and that 188 miles of roadways may be exposed by 2030.

- **Monroe County Pilot Roads Project the Sands and Twin Lakes Communities (Jan 2017):** The County conducted this pilot study based on a data-driven method to identify the appropriate design response to potential flooding effects on roadways for the two communities. The County developed an approach to define alternatives for road improvements in the two pilot communities based on several elements.
  - Assessed past tidal events in the Keys by analyzing a 20-year historic tidal record and determining the statistical probability of tidal flooding for certain events based on that assessment.
  - Identified potential rates of sea level rise increases expected over a 25 year road improvement project lifetime for the road improvements. These values were then added to those derived from past events to define flooding recurrence scenarios for the year 2040.
  - Developed four design response strategies, 6", 12", 18" and 28", of road elevation to evaluate flooding impacts and the benefits gained from those responses. Designing the roads in the community to ensure that all roads are at least at elevation 6" results in a need to raise certain portions of the roads (0.28 miles in the Sands Community, and 0.3 miles in the Twin Lakes Community)
  - Compared design scenarios to tidal flooding recurrence in 2015 and in 2040 to define the performance of design options under various scenarios.
  - Developed design cost estimates for the various identified road elevation scenarios to understand the relative differences in cost between various design options.
  - Provided recommendations on implementation strategies for future road elevation and drainage improvements.

- **National Flood Insurance Program (NFIP) Map Update:** The NFIP is currently revising the Flood Insurance Rate Maps (FIRM) in Monroe County. These new maps will provide important information, data, and maps to build long-term community resilience.

- **NFIP CRS Program:** Monroe County continues to focus efforts to enhance their rating with the NFIP Community Rating System which the goal of obtaining a Level 4 rating with the next year.

- **Countywide Road Analysis:** The County is also developing a countywide Roadways Study to identify the most vulnerable roadways and detail a long-term strategy to mitigate sea level rise impacts.

- **Adaptation Action Areas (AAA):** The Monroe County Planning Department is also currently in the process of developing amendments to the Comprehensive Plan that would allow for the designation of AAA and design a regulatory framework to govern development activities within these areas.
• **Storm Water Management Policies and Practices:** The county is currently evaluating and developing a development toolkit for storm water management activities within Monroe County.

• **Voluntary Home Buyout Program:** Through funding from the CDBG-DR Program, the County is implementing a $15 Million program to purchase homes damaged by Hurricane Irma, demolish the structure, and dedicate the parcel for either green space or storm water management. The County developed a risk vulnerability scoring system to prioritize homes that are at high risk for flooding and sea level rise. Monroe County continues to seek external funds to buyout homes and support residential flood mitigation activities.

**Multi-jurisdictional Resilience:** This project will enhance multi-jurisdictional resilience by serving as a pilot project for road mitigation among all jurisdictions within the Florida Keys. Due to the unique geology and geography of this Island Archipelago, the road mitigation solutions of the Florida mainland and mainland communities throughout the nation will generally not be effective in the Keys. Monroe County, therefore, must identify mitigation options and engineering solutions uniquely suited to this island community. The road mitigation project will serve as a pilot engineering solution to benefit all jurisdictions in the keys and within Island communities.

---

**Attachments:** Attached are photos of the project site during periods of flood inundation as well as an overview map of the project site. This project include the cost of developing the project design and therefore blueprints are not available.
Figure 2: Photograph of Flooding impact October 2016
Figure 3: Photograph of Flooding impact October 2016

Twin Lakes
Shaw Drive south from Crane St 5.8.16
Figure 4: Photograph of Flooding impact September 2015

29 SEP 2015 11:00am

Frame color corresponds to the color of the arrows showing location and direction of the photos
Figure 5: Photograph of Flooding Impact 2016
Figure 6: Photograph of Flooding Impact October 2016
Figure 7: Photograph of Flooding Impact October 2016
Figure 8: Project Impact Area
Community Development Block Grant – Mitigation  
General Infrastructure Program  
Twin Lakes Subdivision Road Mitigation Project

CAPACITY PLAN

**Goal:** This grant application requests **$7,180,204** for the drainage and roadway improvement to 4,633 linear feet of roads and construction of a "pump and treat" storm water drainage system. The road will be elevated to approximately 5 inches NAVD88 and will include 78 drainage structures, wet wells, pollution treatment device and an elevated pump station.

**Major Tasks:** Major tasks to be completed include environmental and historical review, storm water management system construction; engineering and inspection oversight of contractor during construction and maintenance of roadways and operation of the storm water management system upon completion of construction.

Tasks To Be Accomplished:

<table>
<thead>
<tr>
<th>No.</th>
<th>Task Description</th>
<th>Responsibility</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Execute Sub-recipient agreement</td>
<td>Administrative Program Executive Program and Board of County Commissioners (BOCC)</td>
<td>12/15/2020</td>
</tr>
<tr>
<td>2</td>
<td>Solicit competitive qualifications based proposals for Construction Engineering and Inspection (CEI) consultant services</td>
<td>PM, Monroe County Purchasing Department</td>
<td>05/30/2021</td>
</tr>
<tr>
<td>3</td>
<td>Solicit competitive construction bids utilizing federal procurement requirements</td>
<td>PM, Monroe County Purchasing Department</td>
<td>05/30/2021</td>
</tr>
<tr>
<td>4</td>
<td>Acquire Vendors (Construction and CEI)</td>
<td>PM, Selection Committee, BOCC</td>
<td>01/15/2021</td>
</tr>
<tr>
<td>5</td>
<td>Process all necessary permits</td>
<td>Contractor</td>
<td>06/30/2021</td>
</tr>
<tr>
<td>6</td>
<td>Project Construction and Construction Monitoring</td>
<td>PM, Construction Contractor and Consultant CEI</td>
<td>01/30/2022</td>
</tr>
<tr>
<td></td>
<td>25% construction phase completion</td>
<td></td>
<td>01/30/2022</td>
</tr>
<tr>
<td></td>
<td>50% construction phase completion</td>
<td></td>
<td>05/30/2022</td>
</tr>
<tr>
<td></td>
<td>75 % construction phase completion</td>
<td></td>
<td>09/30/2022</td>
</tr>
<tr>
<td></td>
<td>100 % construction phase completion</td>
<td></td>
<td>01/30/2022</td>
</tr>
<tr>
<td>7</td>
<td>Close-out Project</td>
<td>PM</td>
<td>04/30/2022</td>
</tr>
</tbody>
</table>

**Deliverables:** The following deliverables will be developed for verification of project success.

- BOCC Approved Sub-recipient Agreement;
- BOCC Approval of Vendor Request for Proposals;
• Release of Request for Proposals for Construction Engineering and Inspection Services, and Construction Contractor Public Notice, Website Post, Demand Star Posting;
• BOCC Approval of Construction Contractor and Construction Engineering and Inspection Services Selection and contract execution;
• Environmental Review Approval by permitting agency;
• Project construction completion target Audits and Inspection reports;
• Progress Reports, Financial Reports, Invoice Documentation;
• Project Close-out Report.

Stakeholders: This project serves the residents of the Twin Lakes Neighborhood and the surrounding commercial areas impacted by the strain of the repeated and prolonged flooding. The Monroe County Board of County Commissioners as well as the staff from the Resilience Department, Public Works, Engineering Services Department have come together cooperatively to seek solutions to this relentless encroachment of flood waters identifying not only engineering solutions but also solutions that work in harmony with the community needs. The greater Monroe County regions and all municipal jurisdictions within are closely observing these initial road elevation and drainage improvement projects to identify best practices and strategic approaches to build community-wide resilience.

Staffing Resources

Project Administrator (PA), Judith Clark, Director of Engineering Services Department: Judy will serve as the Administrative Program Executive. In this role she will be in charge of communicating with the administrative and politically elected leadership team on the status of the Project. She will approve budgetary issues, financial expenditures, revenues and ensure sufficient resources are available. The Executive will also resolve conflicts among staff, vendors, contractors, permitting agencies, the public and others.

Experience: Judith Clarke obtained her Master’s Degree in Environmental Engineering from the University of Wisconsin and became a registered Engineer in 2002. During her 23 year Engineering career she has worked in both the public and private sectors managing a range of projects including environmental contamination and compliance, environmental permit compliance, wastewater studies, roadway and parks construction, debris management, and transportation infrastructure. Since 2009 she has managed the Monroe County Engineering Services Department managing personnel, budgets, and capital improvements.

Project Manager (PM), Debra London: The Project Manager oversees all aspects of the building process, working closely with engineers and architects to develop plans, establish timetables, and determine labor and material costs. She is responsible for
ensuring the project is completed on budget and within scope. The Project Manager ensures ongoing coordination with all members of the Project Team including contracted engineering and construction vendors, and Monroe County Planning and Building Department. This position develops the Work Plan, issues the Notice To Proceed, monitors engineering design and project construction, verifies permit and inspections are conducted in accordance with local, state, and federal requirements governing construction and requirements detailed in the sub-recipient agreement with DEO. Contractors, consultants and inspectors must coordinate with the Project Manager to ensure efficient and compliant design, construction, and completion of this mitigation project.

**Experience:** Debra London - Florida Certified Contract Manager - Project manager in the County roadway improvement program - responsible for contracts, including consultant design solicitation and selection, construction bid documents, construction engineering and inspection services consultant solicitation and selection, construction project administration, cost estimate analysis, coordination with State and Federal agencies, Engineers and Contractors. Grants Application and Administration experience includes - CDBG, FEMA, FHWA, FDEP, FDOT.

**Contract Manager, Olympia Newton** – The Contract Manager will work with the Project Manager to oversee that project performance is within the contractual requirements of the CDBG-DR Subapplicant agreement and vendor contracts. This contract manager is responsible for coordinating, reviewing and approving contract terms to enforce deadlines, approving budgets and ensuring procurement follows Federal Register and grantor requirements, ensures schedules and budget requirements are maintained, assists with procurement and closeout of all contracts and grants. The Contract Manager will process all invoices from vendors and grant reimbursement requests.

**Experience:** Ms. Newton received her Bachelor’s Degree in Business Administration and has sixteen (16) years of professional experience working in administrative, procurement, contracts compliance and cost control for public agencies. Since 2018, she has worked as a Senior Engineering Technician for Monroe County Engineering Services Division where she support Project Managers for engineering projects, studies and contract management. In this position she manages the vendor bidding process, financial budgets, contracts ensuring compliance. Previous to her current position, she was employed by the Florida Keys Aqueduct Authority for fourteen years where she served as an executive administrator and contracts supervisor where she managed contracts, procurement and bidding, permit compliance, financial management, and budgeting.

The Finance and Budgeting Department, the Clerk of the Court, as well as the County Attorney Office, will work with the Project Manager to ensure procurement
follows Federal Register and grantor requirements, ensures schedules and budget requirements are maintained, assists with procurement and closeout of all contracts and grants.

**Vendor Services:** In addition to internal staff, Monroe County will solicit vendor services for construction services, and construction, engineering and inspection (CEI) services. All procurement processes will comply with the procurement standards in 2 C.F.R. §200.318 - §200.326 when procuring property and services under this Agreement.

- **Engineering Design Services** have already been solicited and are currently at 90% completion. The costs for engineering design services are not being requested in this grant funding request. The engineering design associated costs, however, are listed in the budget document for informational purposes only and to document Monroe County leadership financial commitment to this project. This mitigation project is “*shovel ready*”.

- **Construction Contractors:** Contractors will be solicited through competitive bid process that meets all requirements established by the Department of Housing and Urban Development and Monroe County Purchasing Policy. Contractors must be pre-qualified by the Florida Department of Transportation (FDOT) in accordance with Florida Statute Chapter 337.14 and FDOT Florida Administrative Code 14-22.

- **Construction Engineering and Inspection Consultants (CEI):** Consultants will be solicited through competitive qualifications based solicitation for Professional Services. The process will meet all requirements established by the Department of Housing and Urban Development and Monroe County Purchasing Policy. To be considered, all consultants to the CEI solicitation must be pre-qualified by the Florida Department of Transportation (FDOT) in accordance with Chapter 337.14 F.S. and Florida Department of Transportation Rules Ch. 14-22. All CEI project staff shall have a working knowledge of the current Construction Project Administration Manual and must possess all the necessary qualifications/certifications, outlined in Work Group 10. The CEI team shall consist, at a minimum of an inspector for daily site work, a project administrator and a Professional Engineer.

Monroe County has been Local Agency Program (LAP) certified by FDOT District 6 since 2010 and as such its policies and procedures comply with Federal Highway Administration requirements.

**Budget Resources:** The Monroe County Board of County Commissioners dedicated $320,750 in local general revenue funds to complete the design of this roadway elevation and drainage improvement project. This CDBG-MIT GIP requests only the funds to construct the project.

In 2017 Hurricane Irma left not only a devastating blow to the community but also to the local government budget. As payments have been received from the Federal Emergency
Management Agency and insurance proceeds, the county has been able to regain financial solvency. The Covid-19 epidemic, however, has again left a deep impact on revenue sources that derive from tourism and sales. These revenue losses will likely have long lasting impacts. The county is currently under a hiring freeze and purchasing freeze with many employees furloughed. It is Monroe County’s goal to continue to move forward in these important mitigation projects. Approving CDBG-MIT GIP funds to fund this project will ensure that Monroe County can build resilience within the Safety and Security, Transportation, and Health and Medical Lifelines of our community.
### Tasks

<table>
<thead>
<tr>
<th>Start</th>
<th>End</th>
<th>Duration</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/15/20</td>
<td>12/15/20</td>
<td>91</td>
<td>DEO Award and Subrecipient Agreement</td>
</tr>
<tr>
<td>12/15/20</td>
<td>5/30/21</td>
<td>166</td>
<td>Vendor Procurement</td>
</tr>
<tr>
<td>6/1/21</td>
<td>8/30/21</td>
<td>90</td>
<td>Environmental Review</td>
</tr>
<tr>
<td>9/1/21</td>
<td>3/30/22</td>
<td>210</td>
<td>Construction Phase (25%)</td>
</tr>
<tr>
<td>3/1/22</td>
<td>7/30/22</td>
<td>151</td>
<td>Construction Phase (50%)</td>
</tr>
<tr>
<td>8/1/22</td>
<td>11/30/22</td>
<td>121</td>
<td>Construction Phase (75%)</td>
</tr>
<tr>
<td>12/1/22</td>
<td>3/30/23</td>
<td>119</td>
<td>Construction Complete (100%)</td>
</tr>
<tr>
<td>4/1/23</td>
<td>6/1/23</td>
<td>61</td>
<td>Project Commission</td>
</tr>
<tr>
<td>6/15/23</td>
<td>6/30/23</td>
<td>15</td>
<td>Grant and Financial Audit Closeout</td>
</tr>
</tbody>
</table>

### Milestones

<table>
<thead>
<tr>
<th>Date</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/15/20</td>
<td>Sub-applicant agreement execution</td>
</tr>
<tr>
<td>7/30/2022</td>
<td>Construction 50% Complete</td>
</tr>
<tr>
<td>3/30/2023</td>
<td>Construction 100% Complete</td>
</tr>
<tr>
<td>6/30/2023</td>
<td>Project / Grant Closeout</td>
</tr>
</tbody>
</table>

### Notes

Record project notes below

Insert timeline notes here
**LOCATION OF PROJECT**

**INDEX OF SHEETS**

<table>
<thead>
<tr>
<th>SHEET NO.</th>
<th>SHEET DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>G-1A</td>
<td>KEY SHEET</td>
</tr>
<tr>
<td>S-1A</td>
<td>SUMMARY OF PAY ITEMS</td>
</tr>
<tr>
<td>S-1A - S-3A</td>
<td>SUMMARY OF DRAINAGE STRUCTURES</td>
</tr>
<tr>
<td>G-2A - G-3A</td>
<td>TYPICAL SECTIONS</td>
</tr>
<tr>
<td>G-4A</td>
<td>SHOULDER BARRIER DETAILS</td>
</tr>
<tr>
<td>G-5A</td>
<td>SPECIAL DETAILS</td>
</tr>
<tr>
<td>G-6A</td>
<td>PROJECT LAYOUT</td>
</tr>
<tr>
<td>G-7A - G-11A</td>
<td>PROJECT NOTES</td>
</tr>
<tr>
<td>SW-1A - SW-5A</td>
<td>STORM WATER POLLUTION PREVENTION PLAN</td>
</tr>
<tr>
<td>RD-1A - RD-9A</td>
<td>ROADWAY PLAN &amp; PROFILE (SHAW DR)</td>
</tr>
<tr>
<td>RD-10A - RD-11A</td>
<td>ROADWAY PLAN &amp; PROFILE (CRANE ST)</td>
</tr>
<tr>
<td>RD-12A - RD-18A</td>
<td>ROADWAY PLAN &amp; PROFILE (ADAMS DR)</td>
</tr>
<tr>
<td>RD-19A</td>
<td>ROADWAY CROSS SECTIONS PATTERN</td>
</tr>
<tr>
<td>RD-20A - RD-24A</td>
<td>ROADWAY CROSS SECTIONS (SHAW DR)</td>
</tr>
<tr>
<td>RD-25A</td>
<td>ROADWAY CROSS SECTIONS (CRANE ST)</td>
</tr>
<tr>
<td>RD-26A - RD-28A</td>
<td>ROADWAY CROSS SECTIONS (ADAMS DR)</td>
</tr>
<tr>
<td>TC-1A</td>
<td>CONSTRUCTION SEQUENCE</td>
</tr>
<tr>
<td>TC-2A - TC-5A</td>
<td>TRAFFIC CONTROL PLAN</td>
</tr>
<tr>
<td>SP-1A</td>
<td>SIGNING PAVEMENT MARKING DETAILS</td>
</tr>
<tr>
<td>SP-2A - SP-5A</td>
<td>SIGNING PAVEMENT MARKING PLAN</td>
</tr>
<tr>
<td>PS-1A</td>
<td>DRAINAGE MAP</td>
</tr>
<tr>
<td>PS-2A</td>
<td>PUMP STATION SITE PLAN</td>
</tr>
<tr>
<td>PS-3A</td>
<td>PUMP STATION MECHANICAL LAYOUT</td>
</tr>
<tr>
<td>PS-4A - PS-5A</td>
<td>FORCE MAIN PLAN &amp; PROFILE</td>
</tr>
<tr>
<td>PS-6A - PS-7A</td>
<td>INJECTION WELL PLAN &amp; PROFILE</td>
</tr>
<tr>
<td>PS-8A</td>
<td>INJECTION WELL DETAIL</td>
</tr>
<tr>
<td>PS-9A</td>
<td>A.A.R.V. DETAIL</td>
</tr>
<tr>
<td>E-1A - E-9A</td>
<td>PUMP STATION ELECTRICAL SHEETS</td>
</tr>
<tr>
<td>S-1A - S-4A</td>
<td>PUMP STATION STRUCTURAL SHEETS</td>
</tr>
</tbody>
</table>

**LENGTH OF PROJECT**

<table>
<thead>
<tr>
<th>LENGTH OF PROJECT</th>
<th>LINEAR FEET</th>
<th>MILES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROADWAY</td>
<td>4633.35</td>
<td>0.878</td>
</tr>
<tr>
<td>BRIDGES</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NET LENGTH OF PROJECT</td>
<td>4633.35</td>
<td>0.878</td>
</tr>
<tr>
<td>EXCEPTIONS</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CROSS LENGTH OF PROJECT</td>
<td>4633.35</td>
<td>0.878</td>
</tr>
</tbody>
</table>

**LOCATION OF PROJECT**

**PROJECT LENGTH IS BASED ON § CONSTRUCTION**

**GOVERNING STANDARD PLANS**

- Florida Department of Transportation, FY 2019-20 Standard plans for Road and Bridge Construction and applicable Interim Revisions (Irs).
- Standard Plans for Road Construction and associated Irs are available at the following website: https://www.fdot.gov/design/standardplans

**GOVERNING STANDARD SPECIFICATIONS**

- Florida Department of Transportation, July, 2019 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/implemented/SpecBooks

**MONROE COUNTY BOARD OF COMMISSIONERS**

- SYLVIA MURPHY (MAJOR) DISTRICT 5
- DANNY KOLHAGE (MAJOR PRO TEAM) DISTRICT 1
- HEATHER CARRUTHERS DISTRICT 3
- DAVID RICE DISTRICT 4
- MICHELLE COLDIRON DISTRICT 2

**MONROE COUNTY PROJECT MANAGER:** DEBRA LONDON

**PLANS PREPARED BY:**

WSP USA
7450 CORPORATE CENTER DRIVE, SUITE 300
MIAMI, FLORIDA 33126
C.A. # 01462

**NOTE:** SCALE SHOWN ON DRAWINGS CORRESPONDS TO PLOT SIZE 11"X17". IF DRAWINGS ARE PLOTTED ON OTHER SIZE SHEET, ENGINEER OF RECORD DOES NOT WARRANT ACCURACY OF DRAWING SCALE.

**90% SUBMITTAL NOT FOR CONSTRUCTION**

**Governing Standard Plans:**

- Florida Department of Transportation, FY 2019-20 Standard plans for Road and Bridge Construction and applicable Interim Revisions (Irs).
- Standard Plans for Road Construction and associated Irs are available at the following website: https://www.fdot.gov/design/standardplans

**Governing Standard Specifications:**

- Florida Department of Transportation, July, 2019 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/implemented/SpecBooks

**Monroe County Board of Commissioners:**

- Sylvia Murphy (Major) District 5
- Danny Kolhage (Major Pro Team) District 1
- Heather Carruthers District 3
- David Rice District 4
- Michelle Coldiron District 2

**Monroe County Project Manager:** Debra London
<table>
<thead>
<tr>
<th>PAY ITEM NO.</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>201-1</td>
<td>MOBILIZATION</td>
<td>LS</td>
<td>5.00</td>
</tr>
<tr>
<td>02-1</td>
<td>MAINTENANCE OF TRAFFIC</td>
<td>DA</td>
<td>120.00</td>
</tr>
<tr>
<td>04-10-3</td>
<td>SEDIMENT BARRIER</td>
<td>LF</td>
<td>2410.48</td>
</tr>
<tr>
<td>04-18</td>
<td>INLET PROTECTION</td>
<td>EA</td>
<td>20.00</td>
</tr>
<tr>
<td>10-1-1</td>
<td>CLEARING &amp; GRUBBING</td>
<td>AC</td>
<td>2.61</td>
</tr>
<tr>
<td>20-1</td>
<td>REGULAR EXCAVATION</td>
<td>CT</td>
<td>404.00</td>
</tr>
<tr>
<td>2054</td>
<td>EMBANKMENT</td>
<td>CT</td>
<td>1006.00</td>
</tr>
<tr>
<td>195-106</td>
<td>OPTIONAL BASE, BASE GROUP D1</td>
<td>ST</td>
<td>402.00</td>
</tr>
<tr>
<td>660-4</td>
<td>STABILIZATION TYPE B</td>
<td>ST</td>
<td>2416.26</td>
</tr>
<tr>
<td>386-1</td>
<td>FOOTING CONSTRUCTION</td>
<td>ST</td>
<td>137.87</td>
</tr>
<tr>
<td>526-1-2</td>
<td>PAVING, ARCHITECTURAL, SIDEWALK, DRIVEWAY</td>
<td>SY</td>
<td>422.78</td>
</tr>
<tr>
<td>327-70-5</td>
<td>VILLING E JUST ASPH PAV, 2&quot;, AVG DEPTH</td>
<td>TN</td>
<td>7941.53</td>
</tr>
<tr>
<td>344-1-11</td>
<td>SUPERPAVE ASPHALT CONC, TRAFFIC A</td>
<td>TN</td>
<td>948.42</td>
</tr>
<tr>
<td>130-74</td>
<td>BEDDING STONE (#57 STONE)</td>
<td>TN</td>
<td>556.37</td>
</tr>
<tr>
<td>100-15-2</td>
<td>PERFORMANCE TUFF, 800</td>
<td>ST</td>
<td>1458.00</td>
</tr>
<tr>
<td>700-1-11</td>
<td>SINGLE POST SIGN, FA, GROUND MOUNTED, UP TO 12 SF</td>
<td>AS</td>
<td>4.00</td>
</tr>
<tr>
<td>700-1-21</td>
<td>SINGLE POST SIGN, MOUNT ON TOP OF BARRIER WALL</td>
<td>EA</td>
<td>1.00</td>
</tr>
<tr>
<td>700-1-60</td>
<td>SINGLE POST SIGN, REMOVE</td>
<td>AS</td>
<td>1.00</td>
</tr>
<tr>
<td>506-3</td>
<td>RETRO-REFLECTIVE PAVEMENT MARKERS</td>
<td>EA</td>
<td>18.00</td>
</tr>
<tr>
<td>711-11-125</td>
<td>THERMOPLASTIC, STANDARD, WHITE, SOLID 24&quot;</td>
<td>LF</td>
<td>56.00</td>
</tr>
<tr>
<td>711-16-201</td>
<td>THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID 6&quot;</td>
<td>GH</td>
<td>0.06</td>
</tr>
<tr>
<td>711-16-231</td>
<td>THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SLP, 8&quot;</td>
<td>GH</td>
<td>0.82</td>
</tr>
<tr>
<td>711-15-101</td>
<td>THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID 6&quot;</td>
<td>GH</td>
<td>0.19</td>
</tr>
<tr>
<td>721-72-41</td>
<td>CHROM CORR BARRIER, RETAINING SECTION</td>
<td>LF</td>
<td>949.73</td>
</tr>
<tr>
<td>050-31-202</td>
<td>UTILITY PIPE, PVC, FURNISH &amp; INSTALL (2-in pipe)</td>
<td>LF</td>
<td>60.00</td>
</tr>
<tr>
<td>050-56-1602</td>
<td>UTILITY PIPE, REMOVE &amp; DISPOSE, 2-49&quot;</td>
<td>LF</td>
<td>40.00</td>
</tr>
<tr>
<td>050-56-1602</td>
<td>UTILITY PIPE, REMOVE &amp; DISPOSE, 8-189&quot;</td>
<td>LF</td>
<td>250.00</td>
</tr>
<tr>
<td>050-31-208</td>
<td>W/W DI PIPE FURNISH &amp; INSTALL</td>
<td>LF</td>
<td>250.00</td>
</tr>
<tr>
<td>050-51224</td>
<td>UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH &amp; INSTALL, WATER/SEWER 24&quot;</td>
<td>LF</td>
<td>531.00</td>
</tr>
<tr>
<td>050-51220</td>
<td>UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH &amp; INSTALL, WATER/SEWER, 30&quot;</td>
<td>LF</td>
<td>168.00</td>
</tr>
<tr>
<td>080-20124</td>
<td>UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH &amp; INSTALL, 24&quot;</td>
<td>EA</td>
<td>12.00</td>
</tr>
<tr>
<td>080-20130</td>
<td>UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH &amp; INSTALL, 30&quot;</td>
<td>EA</td>
<td>10.00</td>
</tr>
<tr>
<td>055-51124</td>
<td>UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH &amp; INSTALL, ELBOW, 24&quot;</td>
<td>EA</td>
<td>6.00</td>
</tr>
<tr>
<td>055-51130</td>
<td>UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH &amp; INSTALL, ELBOW, 30&quot;</td>
<td>EA</td>
<td>5.00</td>
</tr>
<tr>
<td>055-51125</td>
<td>UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH &amp; INSTALL, ELBOW, 10&quot;</td>
<td>EA</td>
<td>4.00</td>
</tr>
<tr>
<td>055-51240</td>
<td>UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH &amp; INSTALL, TEE, 30&quot;</td>
<td>EA</td>
<td>2.00</td>
</tr>
<tr>
<td>055-51254</td>
<td>UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH &amp; INSTALL, CAP, PLUG, 24&quot;</td>
<td>EA</td>
<td>1.00</td>
</tr>
<tr>
<td>055-51145</td>
<td>UTILITY FITTINGS, F, D01, RECESSED, 20&quot;, 49&quot;,</td>
<td>EA</td>
<td>3.00</td>
</tr>
<tr>
<td>080-20124</td>
<td>UTILITY FIXTURE, ELBOW ASSEMBLY, FURNISH AND INSTALL, 24&quot;</td>
<td>EA</td>
<td>1.00</td>
</tr>
<tr>
<td>425-1541</td>
<td>OUTLET, DT BOLT TYPE D &lt;10&quot;</td>
<td>EA</td>
<td>55.00</td>
</tr>
<tr>
<td>425-2-71</td>
<td>KANNOLES, 1-7 &lt;17&quot;</td>
<td>EA</td>
<td>25.00</td>
</tr>
<tr>
<td>425-7-22</td>
<td>KANNOLES, 1-7 &lt;17&quot;</td>
<td>EA</td>
<td>3.00</td>
</tr>
<tr>
<td>STATION</td>
<td>DESCRIPTION</td>
<td>RUN</td>
<td>NORTHING</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td>-----</td>
<td>----------</td>
</tr>
<tr>
<td>14+15.97</td>
<td>LT Injection Well</td>
<td>3.79</td>
<td>291149.73</td>
</tr>
<tr>
<td>13+36.24</td>
<td>LT Injection Well</td>
<td>3.60</td>
<td>291150.18</td>
</tr>
<tr>
<td>12+35.94</td>
<td>LT Injection Well</td>
<td>3.50</td>
<td>291152.08</td>
</tr>
<tr>
<td>11+43.75</td>
<td>LT Injection Well</td>
<td>3.34</td>
<td>291152.53</td>
</tr>
<tr>
<td>10+61.32</td>
<td>LT Injection Well</td>
<td>3.55</td>
<td>291152.86</td>
</tr>
<tr>
<td>11+85.51</td>
<td>RT Inlet</td>
<td>0.60</td>
<td>288858.46</td>
</tr>
<tr>
<td>11+16.77</td>
<td>RT Manhole</td>
<td>0.45</td>
<td>288922.45</td>
</tr>
<tr>
<td>13+11.27</td>
<td>RT Manhole</td>
<td>0.61</td>
<td>289032.73</td>
</tr>
<tr>
<td>13+55.30</td>
<td>RT Manhole</td>
<td>0.78</td>
<td>289076.56</td>
</tr>
<tr>
<td>13+55.00</td>
<td>RT Inlet</td>
<td>0.50</td>
<td>289076.28</td>
</tr>
<tr>
<td>14+97.41</td>
<td>RT Manhole</td>
<td>0.36</td>
<td>289218.89</td>
</tr>
<tr>
<td>14+97.29</td>
<td>RT Inlet</td>
<td>0.30</td>
<td>289218.56</td>
</tr>
<tr>
<td>15+35.41</td>
<td>RT Inlet</td>
<td>0.82</td>
<td>289296.99</td>
</tr>
<tr>
<td>15+39.82</td>
<td>RT Manhole</td>
<td>0.70</td>
<td>289481.43</td>
</tr>
<tr>
<td>15+77.93</td>
<td>RT Inlet</td>
<td>0.75</td>
<td>289481.41</td>
</tr>
<tr>
<td>18+88.82</td>
<td>RT Manhole</td>
<td>0.80</td>
<td>289609.89</td>
</tr>
<tr>
<td>18+88.27</td>
<td>RT Inlet</td>
<td>0.79</td>
<td>289609.88</td>
</tr>
<tr>
<td>20+04.78</td>
<td>RT Manhole</td>
<td>0.89</td>
<td>289726.36</td>
</tr>
<tr>
<td>20+05.06</td>
<td>RT Inlet</td>
<td>0.88</td>
<td>289726.59</td>
</tr>
<tr>
<td>21+46.66</td>
<td>RT Manhole</td>
<td>1.29</td>
<td>289868.25</td>
</tr>
<tr>
<td>21+46.70</td>
<td>RT Inlet</td>
<td>1.30</td>
<td>289868.27</td>
</tr>
<tr>
<td>22+50.86</td>
<td>RT Manhole</td>
<td>2.14</td>
<td>289972.45</td>
</tr>
<tr>
<td>22+50.81</td>
<td>RT Inlet</td>
<td>1.90</td>
<td>289972.38</td>
</tr>
<tr>
<td>24+41.47</td>
<td>RT Manhole</td>
<td>1.67</td>
<td>290163.02</td>
</tr>
<tr>
<td>24+41.45</td>
<td>RT Inlet</td>
<td>1.60</td>
<td>290162.89</td>
</tr>
<tr>
<td>25+08.06</td>
<td>RT Manhole</td>
<td>0.72</td>
<td>290319.64</td>
</tr>
<tr>
<td>25+48.02</td>
<td>RT Inlet</td>
<td>0.40</td>
<td>290319.58</td>
</tr>
<tr>
<td>26+05.74</td>
<td>RT Inlet</td>
<td>0.66</td>
<td>290417.32</td>
</tr>
<tr>
<td>26+85.74</td>
<td>RT Inlet</td>
<td>0.40</td>
<td>290414.30</td>
</tr>
<tr>
<td>28+48.88</td>
<td>RT Manhole</td>
<td>0.00</td>
<td>290588.45</td>
</tr>
<tr>
<td>28+48.64</td>
<td>RT Inlet</td>
<td>0.50</td>
<td>290588.37</td>
</tr>
<tr>
<td>30+70.88</td>
<td>RT Manhole</td>
<td>0.79</td>
<td>290792.46</td>
</tr>
<tr>
<td>NO.</td>
<td>DESCRIPTION</td>
<td>DATE</td>
<td>SHEET</td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>5-29</td>
<td>30+70.89</td>
<td>0.50</td>
<td>260792.44</td>
</tr>
<tr>
<td>5-30</td>
<td>31+48.23</td>
<td>0.69</td>
<td>260889.80</td>
</tr>
<tr>
<td>5-31</td>
<td>31+48.17</td>
<td>0.35</td>
<td>260889.72</td>
</tr>
<tr>
<td>5-32</td>
<td>32+36.74</td>
<td>0.86</td>
<td>261048.33</td>
</tr>
<tr>
<td>5-33</td>
<td>34+24.74</td>
<td>0.48</td>
<td>261146.33</td>
</tr>
<tr>
<td>5-34</td>
<td>36+46.95</td>
<td>0.30</td>
<td>261154.59</td>
</tr>
<tr>
<td>5-35</td>
<td>38+47.24</td>
<td>0.62</td>
<td>261146.03</td>
</tr>
<tr>
<td>5-36</td>
<td>39+47.42</td>
<td>0.40</td>
<td>261126.09</td>
</tr>
<tr>
<td>5-37</td>
<td>41+35.58</td>
<td>0.25</td>
<td>261134.51</td>
</tr>
<tr>
<td>5-38</td>
<td>42+28.83</td>
<td>0.51</td>
<td>261145.77</td>
</tr>
<tr>
<td>5-39</td>
<td>42+21.23</td>
<td>0.35</td>
<td>261125.85</td>
</tr>
<tr>
<td>5-40</td>
<td>42+07.69</td>
<td>3.65</td>
<td>261143.99</td>
</tr>
<tr>
<td>5-41</td>
<td>42+07.50</td>
<td>0.40</td>
<td>261125.86</td>
</tr>
<tr>
<td>5-42</td>
<td>42+58.24</td>
<td>0.50</td>
<td>261153.09</td>
</tr>
<tr>
<td>5-43</td>
<td>42+58.15</td>
<td>0.67</td>
<td>261145.14</td>
</tr>
<tr>
<td>5-44</td>
<td>43+07.75</td>
<td>0.70</td>
<td>261144.90</td>
</tr>
<tr>
<td>5-45</td>
<td>43+00.58</td>
<td>0.50</td>
<td>261125.24</td>
</tr>
<tr>
<td>5-46</td>
<td>43+04.97</td>
<td>0.30</td>
<td>261160.92</td>
</tr>
<tr>
<td>5-47</td>
<td>43+20.98</td>
<td>0.68</td>
<td>261175.54</td>
</tr>
<tr>
<td>5-48</td>
<td>43+32.64</td>
<td>0.92</td>
<td>261152.98</td>
</tr>
<tr>
<td>5-49</td>
<td>43+32.40</td>
<td>1.27</td>
<td>261161.85</td>
</tr>
<tr>
<td>5-50</td>
<td>44+04.47</td>
<td>0.30</td>
<td>261241.79</td>
</tr>
<tr>
<td>5-51</td>
<td>44+02.54</td>
<td>0.35</td>
<td>261237.73</td>
</tr>
<tr>
<td>5-52</td>
<td>44+00.59</td>
<td>0.30</td>
<td>261300.00</td>
</tr>
<tr>
<td>5-53</td>
<td>44+08.57</td>
<td>0.60</td>
<td>261430.89</td>
</tr>
<tr>
<td>5-54</td>
<td>44+08.22</td>
<td>0.89</td>
<td>261419.30</td>
</tr>
<tr>
<td>5-55</td>
<td>44+33.29</td>
<td>0.90</td>
<td>261463.26</td>
</tr>
<tr>
<td>5-56</td>
<td>44+49.49</td>
<td>0.74</td>
<td>261562.95</td>
</tr>
<tr>
<td>5-57</td>
<td>44+27.63</td>
<td>0.85</td>
<td>261541.88</td>
</tr>
<tr>
<td>5-58</td>
<td>45+24.47</td>
<td>0.40</td>
<td>261641.14</td>
</tr>
<tr>
<td>5-59</td>
<td>45+29.57</td>
<td>0.44</td>
<td>261643.87</td>
</tr>
<tr>
<td>5-60</td>
<td>46+50.85</td>
<td>0.55</td>
<td>261767.23</td>
</tr>
</tbody>
</table>

**NOTE:**
1. INLETS AND MANHOLES TO BE PER F.D.O.T. INDEX NO. 425-001 & 425-010.
2. CONFLICT MANHOLES TO BE PER F.D.O.T. INDEX NO. 425-080.
<table>
<thead>
<tr>
<th>STR. NO.</th>
<th>STATION</th>
<th>OFFSET (FT)</th>
<th>SIDE</th>
<th>DESCRIPTION</th>
<th>RW</th>
<th>NORTHING</th>
<th>EASTING</th>
<th>BOT.</th>
<th>INVERT BACK</th>
<th>INVERT AHEAD</th>
<th>INVERT LEFT</th>
<th>INVERT RIGHT</th>
<th>STREET NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-61</td>
<td>17+10.32</td>
<td>13.86</td>
<td>LT</td>
<td>Inlet</td>
<td>6.65</td>
<td>291826.70</td>
<td>850418.90</td>
<td>-5.68</td>
<td>-5.60</td>
<td>-5.16</td>
<td>-5.16</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-62</td>
<td>16+98.56</td>
<td>8.25</td>
<td>RT</td>
<td>Inlet</td>
<td>6.65</td>
<td>291814.90</td>
<td>850409.99</td>
<td>-5.08</td>
<td>-5.00</td>
<td>-5.55</td>
<td>-5.55</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-63</td>
<td>17+86.82</td>
<td>13.79</td>
<td>LT</td>
<td>Inlet</td>
<td>7.00</td>
<td>291913.20</td>
<td>850410.99</td>
<td>-5.63</td>
<td>-5.55</td>
<td>-5.55</td>
<td>-5.55</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-64</td>
<td>19+09.45</td>
<td>13.02</td>
<td>LT</td>
<td>Inlet</td>
<td>6.60</td>
<td>290205.83</td>
<td>850420.04</td>
<td>-5.58</td>
<td>-5.50</td>
<td>-5.50</td>
<td>-4.99</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-65</td>
<td>19+03.43</td>
<td>7.46</td>
<td>RT</td>
<td>Inlet</td>
<td>6.67</td>
<td>290209.78</td>
<td>850405.52</td>
<td>-4.88</td>
<td>-4.88</td>
<td>-4.88</td>
<td>-4.88</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-66</td>
<td>20+20.34</td>
<td>14.43</td>
<td>LT</td>
<td>Inlet</td>
<td>6.40</td>
<td>292313.72</td>
<td>850418.80</td>
<td>-5.53</td>
<td>-5.45</td>
<td>-5.45</td>
<td>-4.60</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-67</td>
<td>20+19.13</td>
<td>7.91</td>
<td>RT</td>
<td>Inlet</td>
<td>5.52</td>
<td>292315.48</td>
<td>850414.14</td>
<td>-4.58</td>
<td>-4.50</td>
<td>-4.50</td>
<td>-4.41</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-68</td>
<td>21+06.37</td>
<td>13.73</td>
<td>LT</td>
<td>Inlet</td>
<td>5.50</td>
<td>292222.73</td>
<td>850419.64</td>
<td>-5.48</td>
<td>-5.40</td>
<td>-5.40</td>
<td>-4.41</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-69</td>
<td>21+06.92</td>
<td>7.53</td>
<td>RT</td>
<td>Inlet</td>
<td>5.68</td>
<td>292223.27</td>
<td>850409.90</td>
<td>-4.38</td>
<td>-4.30</td>
<td>-4.30</td>
<td>-4.30</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-70</td>
<td>21+40.77</td>
<td>11.86</td>
<td>LT</td>
<td>Inlet</td>
<td>5.55</td>
<td>292277.13</td>
<td>850427.58</td>
<td>-5.43</td>
<td>-5.35</td>
<td>-5.35</td>
<td>-5.35</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-71</td>
<td>22+49.99</td>
<td>15.77</td>
<td>LT</td>
<td>Manhole</td>
<td>5.70</td>
<td>292366.36</td>
<td>850427.73</td>
<td>-5.20</td>
<td>-5.10</td>
<td>-5.10</td>
<td>-5.10</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-72</td>
<td>22+49.45</td>
<td>7.99</td>
<td>RT</td>
<td>Inlet</td>
<td>5.97</td>
<td>292363.80</td>
<td>850419.49</td>
<td>-5.33</td>
<td>-5.25</td>
<td>-5.25</td>
<td>-5.25</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-73</td>
<td>23+12.79</td>
<td>15.14</td>
<td>LT</td>
<td>Inlet</td>
<td>6.40</td>
<td>292488.14</td>
<td>850418.28</td>
<td>-5.23</td>
<td>-5.13</td>
<td>-5.13</td>
<td>-5.13</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-74</td>
<td>23+11.88</td>
<td>8.16</td>
<td>RT</td>
<td>Inlet</td>
<td>6.95</td>
<td>292488.25</td>
<td>850414.64</td>
<td>-5.28</td>
<td>-5.20</td>
<td>-5.20</td>
<td>-5.20</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-75</td>
<td>24+00.10</td>
<td>15.44</td>
<td>LT</td>
<td>Inlet</td>
<td>6.65</td>
<td>292506.45</td>
<td>850417.99</td>
<td>-5.18</td>
<td>-5.10</td>
<td>-5.10</td>
<td>-4.80</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-76</td>
<td>24+66.18</td>
<td>13.24</td>
<td>RT</td>
<td>Inlet</td>
<td>5.50</td>
<td>292582.55</td>
<td>850446.68</td>
<td>-4.78</td>
<td>-4.70</td>
<td>-4.70</td>
<td>-4.70</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-77</td>
<td>25+47.74</td>
<td>18.18</td>
<td>LT</td>
<td>Inlet</td>
<td>5.35</td>
<td>292704.22</td>
<td>850415.76</td>
<td>-5.13</td>
<td>-5.05</td>
<td>-5.05</td>
<td>-5.05</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
<tr>
<td>5-78</td>
<td>25+47.71</td>
<td>17.82</td>
<td>RT</td>
<td>Inlet</td>
<td>4.55</td>
<td>292700.24</td>
<td>850431.36</td>
<td>-5.08</td>
<td>-5.00</td>
<td>-5.00</td>
<td>-5.00</td>
<td>ADAMS DR.</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:**
1. INLETS AND MANHOLES TO BE PER F.D.O.T. INDEX NO. 425-001 & 425-010.
2. CONFLICT MANHOLE TO BE PER F.D.O.T. INDEX NO. 425-080.
NOTES:
1. CONTRACTOR SHALL VERIFY EXISTING UNPAVED SHOULDER COMPOSITION PRIOR TO BIDDING. FINISH SHOULDER MATERIAL TO BE SOD OR NO 57 STONE.
2. ALL COUNTY ROW/SWALES TO BE 2 INCH 57 STONE UNLESS SOD EXISTS. IF SOD EXISTS, REPLACE WITH BAHIA.
3. IF SPECIALTY ROCK DRIVEWAY (FOR EXAMPLE RIVER ROCK OR GRANITE) EXIST TO THE ROAD BED, DO NOT DISTURB.
4. VARIABLE MILLING (0"-2")
5. RESURFACE WITH 2" ASPHALT PAVEMENT (TYPE SP 9.5)
6. RE-GRADE SHOULDER TO SPECIFIED CROSS SLOPES.
NOTES:
1. CONTRACTOR SHALL VERIFY EXISTING UNPAVED SHOULDER COMPOSITION PRIOR TO BIDDING. FINISH SHOULDER MATERIAL TO BE SOD OR NO 57 STONE.
2. ALL COUNTY ROW/SWALES TO BE 2 INCH 57 STONE UNLESS SOD EXISTS. IF SOD EXISTS, REPLACE WITH BAHIA.
3. IF SPECIALTY ROCK DRIVEWAY (FOR EXAMPLE RIVER ROCK OR GRANITE) EXIST TO THE ROAD BED, DO NOT DISTURB.
4. VARIABLE MILLING (0'-2')
5. RESURFACE WITH 2" ASPHALT PAVEMENT (TYPE SP 9.5)
6. RE-GRADE SHOULDER TO SPECIFIED CROSS SLOPES.
NOTES:
1. ALL BAR DIMENSIONS IN THE BENDING DIAGRAMS ARE OUT TO OUT.
2. FOR SOIL ELEVATION BEHIND BARRIER WALL: SEE ROADWAY PROFILE SHEET RD-6A TO RD-9A.
3. ATTACH TYPE D-5 (SPECIFICATIONS SECTION 985) GEOTEXTILE FABRIC, 1'-0" WIDE AND FULL HEIGHT OF FILL TO THE TRANSVERSE EXPANSION JOINTS VERTICAL FACE ONLY.
4. EXPANSION JOINTS: PLACE 1/2" WIDTH TRANSVERSE EXPANSION JOINTS THROUGH THE BARRIER AND FOOTING SPACED AT 100-FOOT MAXIMUM INTERVALS. ON BOTH SIDES OF EACH JOINTS, USE THE FREE END REINFORCING BAR SPACING.
5. FREE END REINFORCING, WHERE SHOWN IN PLANS, TERMINATE THE 38" HEIGHT BARRIER SECTION WITH A TRANSVERSE VERTICAL END FACE. REDUCE THE SPACING OF BARS 5V2 AND 5U3 TO 6" FOR 5 SPACES, PLACED WITH 3" COVER FROM THE BARRIER'S END FACE.
6. FOR LAP SPICES AND ADDITIONAL INFORMATION NOT COVERED ON THIS DRAWING SEE FDOT STANDARD INDEX 521-001.
7. BARRIER CONCRETE: USE CLASS IV CONCRETE FOR ALL BARRIERS.
NOTE:
1. Bolt sign to frame thru 4” x 4” members with washers and nut
2. All wood framing shall be pressure treated
3. Contractor shall verify all elected officials at time of bid and update sign as needed.

PROJECT SIGN

EXISTING 8” WATER MAIN, RELOCATION DETAIL
PROFILE VIEW

EXISTING 8” WATER MAIN, RELOCATION DETAIL
PLAN VIEW

EXISTING 2” WATER MAIN, RELOCATION DETAIL
PLAN VIEW

DRIVEWAY TURNOUT DETAIL

DRIVEWAY CROSSING DETAIL

NOTE:
1. Match existing driveway pavement composition
2. Driveway reconstruction shall be paid under pay item for turnout
3. Adhere to typical sections for proposed ditch grading

SECTION A-A

NOTES:
1. See typical sections for proposed ditch grading
2. In areas where a special ditch profile is not proposed, the contractor shall establish the driveway VPI elevation to maintain drainage patterns.
GENERAL NOTES

1. ALL CONSTRUCTION ASSOCIATED WITH THIS PROJECT MUST BE IN ACCORDANCE WITH APPLICABLE CODES & AUTHORITIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), MANUAL OF UNIFORM MUNICIPAL STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS ("FLORIDA GREEN BOOK"), FDOT'S STANDARD SPECIFICATIONS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, AND SOUTH FLORIDA WATER MANAGEMENT DISTRICT STANDARDS. ANY DISCREPANCY MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF MONROE COUNTY & THE ENGINEER OF RECORD.

2. CONTRACTOR RESPONSIBLE FOR DETERMINING APPROPRIATE STAGING AREA PRIOR TO BIDDING. STAGING IN RESIDENTIAL NEIGHBORHOODS ON PRIVATE PROPERTY MAY REQUIRE A LENGTHY PERMIT PROCESS. USE OF RESIDENTIAL AREAS IS NOT AVAILABLE.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH PROJECT SITE & TO DETERMINE TOPOGRAPHIC OR UNDERGROUND FEATURES THAT WILL BE IMPACTED DUE TO HIS/her PROPOSED METHOD OF CONSTRUCTION. CONTRACTOR SHOULD REPORT ANY DISCREPANCIES TO FTE COUNTY AND FOR PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR MUST INCLUDE IN HIS/her BID PRICE THE COST OF RELOCATING OR REPLACING IN KIND ANY FEATURES THAT WILL BE IMPACTED DUE TO HIS/her PROPOSED METHOD OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO EXISTING TREES, UTILITY BOXES, MANHOLE COVERS, GROUNDS, OTHER FEATURES, ETC. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED BY MONROE COUNTY IN THE EVENT THE CONTRACTOR NEGLECTS TO ACCOUNT FOR THIS WORK IN HIS/her BID PRICE.

4. THE CONTRACTOR SHALL CLEAR AND GRUB THE PROJECT SITE ONLY TO THE EXTENT NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS, ANY TREE REMOVAL, CADDY TRIMMING, OR ROOT PRUNING NECESSARY FOR THE CONSTRUCTION SHALL BE PAID FOR UNDER "CLEARING AND GRUBbing", PAY ITEM 110-1-1.

5. THE CONTRACTOR SHALL SAWCUT, REMOVE AND DISPOSE OF EXISTING PAVEMENT BY SAWCUTTING PROPOSED EDGE OF PAVED RETURNS (RADII) AND BEYOND PROPOSED EDGE OF DRIVEWAYS AT HIS EXPENSE.

6. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES AND OTHER UNDERGROUND UTILITY FEATURES WHICH MAY OR MAY NOT BE SHOWN IN THE PLANS. ANY EXISTING STRUCTURE, PLANT, TREE OR OTHER EXISTING UTILITY NOT SPECIFIED FOR REMOVAL MUST BE SAWCUT, EXPOSED OR IN ANY WAY DISTURBED BY THE CONTRACTOR, SHALL BE REPLANTED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE COUNTY.

7. IF GRADE DIFFERENCE AT THE EDGE OF THE PROPOSED PAVEMENT OCCURS, CONTRACTOR SHALL REWORK EXISTING SOIL TO MATCH PROPOSED EDGE OF PAVED RETURNS (RADII) AND BEYOND PROPOSED EDGE OF DRIVEWAYS AT HIS EXPENSE.

8. ALL POT HOLES DEEPER THAN 2’ SHALL BE CLEARANCED OF ALL LOSE DIRT, DYE (COATING), FILLED WITH ASPHALT AND ROLLED PRIOR TO LEAVING CONSTRUCTION SITE.

9. BASE MATERIAL EXPOSED MORE THAN 24 HOURS SHALL BE PRIMED AND COATED FOR PROTECTION.

10. PER USPS STANDARDS, THE CONTRACTOR MUST COORDINATE AND GET APPROVAL BEFORE REMOVING ANY MAILBOXES IN CONFLICT WITH CONSTRUCTION TO BE MOVED BY CONTRACTOR JUST INSIDE THE RESIDENTIAL AREA. THE COUNTY WILL DELIVER THE MAIL BOXES TO THE CONTRACTOR AT THE END OF THE ROAD Projects. CONTRACTORS SHOULD INCLUDE THIS COST IN THE MOBILIZATION BID ITEM.

11. IF THE CONTRACTOR WISHES TO ENTER INTO SEPARATE AGREEMENTS WITH THE PROPERTY OWNERS TO SAWCUT, REMOVE AND DISPOSE OF EXISTING PAVEMENT BY SAWCUTTING PROPOSED EDGE OF PAVEMENT RETURNS (RADII) AND BEYOND PROPOSED EDGE OF DRIVEWAYS AT HIS EXPENSE, THE CONTRACTOR MUST OBTAIN THE PROPER PERMIT FROM MONROE COUNTY PUBLIC WORKS DEPARTMENT BEFORE ANY SUCH PAVING IS BEGUN. THE CONTRACTOR IS TO SUPPLY A LIST OF ANY SUCH PROPERTY OWNER TO THE PUBLIC WORKS DEPARTMENT PRIOR TO COMPLETION OF THE PROJECT.

12. ANY NECESSARY ENCROACHMENTS OUTSIDE OF ROW SHALL BE IDENTIFIED BY THE CONTRACTOR AND NOTIFIED TO THE HOMEOWNERS WHO SHALL SIGN & RETURN CERTIFICATE. NO ENCROACHMENTS OUTSIDE OF ROW WILL BE ALLOWED.

13. NO LATER THAN CONCLUSION OF EACH DAY OPERATION, CONTRACTOR SHALL THOROUGHLY CLEAR ALL MATERIALS, DIRT, GRAVEL OR OTHER FOREIGN MATERIAL CAUSED BY THE CONSTRUCTION OPERATIONS FROM THE STREETS AND ROADS.

14. ALL DISTURBED ROADS, ROADS, DETOURS, OR MAIL BOXES IN THE PUBLIC AREA SHALL BE TREATED AS REQUIRED WITH WATER.

15. THE CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTY OWNERS AT ALL TIMES, POTHOLES, TRENCHES, AND OTHER CONSTRUCTION IMPACTS SHALL BE CLEANED AND CLEARED OR PLATED OVER OR FIXED FOR ACCESS PURPOSES AND WILL BE PAID FOR UNDER MAINTENANCE OF TRAFFIC PAY ITEM NO. 102-1.

16. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR LEAVE EXCAVATED TRENCHES OPEN, UNCOVERED OR EXPOSED AT THE END OF THE WORKING DAY, WEEKENDS, HOLIDAYS OR OTHER TIMES WHEN THE CONTRACTOR IS NOT WORKING.

17. CONTRACTOR SHALL KEEP THE SITE FREE FROM DEBRIS, TRASH, & CONSTRUCTION WASTE. CONTRACTOR IS ALLOWED TO STORE MATERIAL STOCKPILED WHERE WORK IS ONGOING FOR MAX. 48 HOURS. ALL ROADS SHALL BE KeEP ACCESSIBLE TO EMERGENCY VEHICLES.

18. CONTRACTOR SHALL USE A STREET Sweeper USING WATER OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. A WATER TRUCK SHALL BE MAINTAINED ON SITE AT ALL TIMES. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEANING AND Sweeping IS TO BE INCLUDED IN MAINTENANCE OF TRAFFIC.

19. CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND/or APPROVALS FROM APPLICABLE AUTHORITIES HAVING JURISDICTION. ANY PERMITS OR APPROVALS NOT LIKELY TO BE AUTHORIZED BY ANY APPLICABLE AUTHORITY WILL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.

20. ALL LANDSCAPE/OPEN AREAS, PAVEMENTS & OTHER AREAS IMPACTED BY CONSTRUCTION WORK OR CREATED DUE TO THEIR ORIGINAL CONDITION, OR BETTER AT NO ADDITIONAL COST TO THE COUNTY.

21. DRIVEWAYS RECONSTRUCTION SHALL BE PAID UNDER PAY ITEM FOR TURNOUT CONSTRUCTION. NEW DRIVEWAY SHALL MATCH EXISTING DRIVEWAY. CONSTRUCTION WHERE DRIVEWAY IS DAMAGED, THE ASPHALT COURSE SHALL BE TRAFFIC LEVEL. A CONCRETE EDGE SHALL BE PROVIDED.

22. IN THE EVENT CONTAMINATED MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY ADVISE MONROE COUNTY AND ENGINEER OF RECORD.

23. ANY MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE COUNTY.


25. CONTRACTOR SHALL PREPARE & SUBMIT SHOP DRAWINGS FOR ALL ITEMS LISTED IN PROJECT SPECIFICATIONS.

26. WHERE NEW PAVEMENT HEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE & FLUSH WITH EXISTING PAVEMENT.

27. ALL STATIONS AND OFFSETS ARE FROM THE CENTERLINE OF CONSTRUCTION.

28. RADII, DIMENSIONS AND ELEVATIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

29. GRADES SHOWN ARE FINISHED GRADES.

30. R/W BREAK LINES STATIONS AND OFFSETS ARE MEASURED FROM CENTERLINE OF CONSTRUCTION.

31. CONTRACTOR IS FULLY RESPONSIBLE TO RESTORE EXISTING TRAFFIC RELATED INFRASTRUCTURE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR MUST COORDINATE WITH MONROE COUNTY ENGINEERING DIVISION PRIOR TO CONSTRUCTION.

32. AN APPROVED SET OF CONSTRUCTION PLANS AND CONTRACT DOCUMENTS SHALL BE MAINTAINED BY THE CONTRACTOR ON SITE AT ALL TIMES DURING OPERATIONS.

33. CONTRACTOR SHALL PROVIDE TO THE COUNTY'S REPRESENTATIVE PRIOR TO CONSTRUCTION OF THE PROJECT, A CERTIFICATE THE FLORIDA DEPARTMENT OF AGRICULTURE AND VEGETATION, PART OF THE INDUSTRY, STATING SUCH MATERIALS ARE FREE OF NOxious WEEDS INCLUDINg TROPICAL SODA APPLE.

34. CONTRACTOR IS FULLY RESPONSIBLE FOR RESTORING ALL PAVING MARKINGS WITH NEW STRIPING AS SHOWN ON PLANS. FINAL PAVEMENT STRIPING MUST BE THERMOPLASTIC IN ACCORDANCE WITH DOT STANDARDS, ALL CONSTRUCTION WORK EFFORT ASSOCIATED WITH THIS ITEM MUST BE INCLUDED IN THE BID PRICE.


36. ALL PUBLIC CORNERS AND PRIMARY NETWORK CONTROL SURVEY NONHENTS ARE TO BE PROTECTED BY THE CONTRACTOR AND NONHENTS WITHIN THE WORK ZONE AND IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED SHALL BE PROTECTED BY A REGISTERED LAND SURVEYOR OR ACCORDING WITH MINIMUM TECHNICAL STANDARDS OF THE BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO THE BEGINNING OF THE WORK. UPON CONSTRUCTION COMPLETION CONTRACTOR SHALL RESTORE ALL SUCH CORNERS AND NONHENTS AND SHALL FURNISH TO DISTRICT LOCATION SURVEYOR A SIGNED AND SEALED COPY OF THE LAND SURVEY.

37. THE B/L SURVEY AS SHOWN ON THE PLANS IS TO BE USED FOR REFERENCING ONLY, THE B/L SURVEY WITHOUT EVIDENCE OF PROPOSED PAVEMENT GRADE.


39. CONTRACTOR WILL BE REQUIRED TO MAKE A PRE-CONSTRUCTION VIDEO FOR HIS/her RECORDS AND SUBMIT A COPY OF THE VIDEO TO THE COUNTY AND EOR FOR THEIR RECORDS.

40. GRASSED AREAS, UNLESS OTHERWISE SPECIFIED ON CONSTRUCTION DRAWINGS, DETAILS AND SPECIFICATIONS, ARE TO BE COVERED WITH SOD, SEED OR GRASS. ANY AREA PROPOSED SOD IS CALLED OUT ON THE CONSTRUCTION DRAWINGS.

41. CONTRACTOR TO DOCUMENT IN VIDEO OR PICTURES THE CONDITIONS OF SITE AND ANY SPECIFIC AREA TO BE MODIFIED DUE TO CONSTRUCTION ACTIVITY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE MODIFIED AREAS AS FOUND PRIOR TO CONSTRUCTION, UNLESS OTHERWISE INSTRUCTED BY THE COUNTY.
PRE-TRENCHING NOTES

1. UTILITIES SHOWN ON THESE PLANS SHEETS ARE APPROXIMATE & ADDITIONAL UTILITIES MAY EXIST IN THE FIELD THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR MUST INCLUDE AS PART OF HIS/HER BID, AN ITEM FOR PRE-TRENCHING TO ENSURE THAT NO PORTION OF THE PROPOSED WORK CONFLICTS WITH ANY UTILITIES. PRIOR TO CONSTRUCTION, IF POTENTIAL CONFLICTS ARE FOUND, THEN THE CONTRACTOR MUST NOTIFY THE OWNER, ENGINEER & https://www.example.com/OWNER AT LEAST SEVEN (7) DAYS ADVANCE NOTICE PRIOR TO CONSTRUCTION. THIS NOTIFICATION SHALL INCLUDE SURVEY INFORMATION ABOUT THE CONFLICTING UTILITY'S HORIZONTAL & VERTICAL ALIGNMENT, FAILURE OR THE CONTRACTOR'S PART TO PRE-TRENCH PRIOR TO CONSTRUCTION IS AT THE CONTRACTOR'S RISK & BY SO DOING RELIEVES THE OWNER & THE ENGINEER OF ANY & ALL LIABILITIES & COSTS ASSOCIATED WITH RESOLVING CONFLICTS. IN ADDITION, NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR ANY COSTS INCURRED AS A RESULT OF FAILURE OR THE CONTRACTOR'S PART TO PRE-TRENCH.

2. EXTREME CAUTION MUST BE USED DURING ANY EXCAVATION ALL EXCAVATIONS MUST BE SHORED, SHIELDED, BRACED OR OTHERWISE SUPPORTED AS INDICATED IN THE GEOLOGICAL REPORTS.

3. CONTRACTOR MUST UTILIZE SUBSURFACE UTILITY ENGINEERING METHODS & CUM TO DISCLOSE THE PRESENCE OF ROCK, UTILITIES & SUBSURFACE ELEMENTS NOT INDICATED ON THE SURVEY.

4. CONTRACTOR MUST ENGAGE IN CONSULTATIONS WITH IDENTIFIED UTILITY OWNERS.

5. PRE-TRENCHING DIRECTIONS TO CONTRACTOR:
   A. CONTRACTOR MUST UTILIZE A SUPPORT SYSTEM STRONG ENOUGH TO WITHSTAND THE PRESSURE OF THE SOIL.
   B. CONTRACTOR MUST UTILIZE A SUPPORT SYSTEM STRONG ENOUGH TO WITHSTAND THE STRESS WHICH MAY BE EXERTED BY WATER, VIBRATIONS OR ANY OTHER LOADS.
   C. CONTRACTOR MUST PROPERLY SUPPORT ANY UNDERGROUND INSTALLATIONS THAT ARE UNCOVERED.
   D. CONFORM TO FLORIDA'S TRENCH SAFETY ACT & OSHA REQUIREMENTS.

6. BEFORE TRENCHING OR EXCAVATION, CONTRACTOR MUST CHECK THE FOLLOWING:
   A. SOIL CONDITIONS OR OTHER MATERIAL TO BE REMOVED.
   B. PROXIMITY TO UTILITIES, BUILDINGS & SOURCES OF VIBRATION.
   C. OWNERS OF UTILITIES, SERVICE OR TRANSMISSION PIPING, ETC. & ARRANGE FOR SHUTDOWN OR RELOCATION OF FACILITIES, IF NECESSARY.
   D. FOR PREVIOUSLY DISTURBED GROUND.
   E. FOR TREES, BOLDORES, OR OTHER HAZARDS.
   F. ADEQUACY & AVAILABILITY OF ALL EQUIPMENT, INCLUDING PERSONAL PROTECTIVE GEAR, SHORING MATERIALS, SIGNS, BARRICADES & MACHINERY.

7. DURING TRENCHING OR EXCAVATION, CONTRACTOR MUST REGULARLY CHECK FOR THE FOLLOWING:
   A. CHANGING GROUND CONDITIONS PARTICULARLY AFTER RAINFALL.
   B. POSSIBLE OXYGEN DEFICIENCY OR GASEOUS CONDITIONS.
   C. ADEQUACY OF SHORING & SLOPING AS WORK PROGRESSES.
   D. MAINTENANCE OF EXIT & EXIT FACILITIES.
   E. ALL SHEETING, BRACING, SHORING & UNDERPINNING.
   F. CHANGES IN VEHICULAR & MACHINERY OPERATIONAL PATTERNS.

8. AFTER TRENCHING OR EXCAVATION, THE CONTRACTOR MUST CHECK FOR:
   A. DEPTH OF TRENCHING OR EXCAVATION, ITS SLOPING & SHORING.
   B. SLOPING OF BANKS, SIDES & WALLS IN RELATION TO DEPTH OF CUT, INERT CONTENT OF SOIL, VIBRATIONS.
   C. ENTRANCE & EXIT FACILITIES.
   D. LOCATION OF HEAVY EQUIPMENT - PLOW SHOVELS, DERRICK, TRUCKS.
   E. EXCAVATION MATERIAL IS TWO FEET OR MORE FROM EDGE OF OPENING.
   F. PORTABLE TRENCH BOXES OR TRENCH SHIELDS ARE ADEQUATE, IF USED.
   G. CROSS BRACES OR TRENCH JACKS ARE CORRECTLY POSITIONED TO PREVENT SLIDING, FALLING OR KICKOUTS.

9. PRE-TRENCHING REQUIREMENTS CHECKLIST:
   A. PRIOR TO EXCAVATION THE CONTRACTOR MUST UNDERGO EFFORTS TO DETERMINE UNDERGROUND INSTALLATIONS SUCH AS SEWER, TELEPHONE, WATER, GAS, ELECTRIC LINES, ETC. ARE PRESENT & WHERE THEY ARE ACTUALLY LOCATED.
   B. THE WALLS & FACES OF ALL EXCAVATIONS IN WHICH EMPLOYEES ARE EXPOSED TO DANGER FROM MOVING GROUND SHALL BE GUARDED BY A SHORING SYSTEM, SLAVING OF THE GROUND OR SOME OTHER EQUIVALENT MEANS.
   C. THE DETERMINATION OF THE ANGLE OF REPOSE & DESIGN OF THE SUPPORTING SYSTEM SHALL BE BASED ON CAREFUL EVALUATION OF PERTINENT FACTORS SUCH AS DEPTH OF CUT, POSSIBLE VARIATION IN THE WATER CONTENT OF THE MATERIALS FROM EXPOSURE TO AIR, SUN & WATER.
   D. ALL SLOPES SHALL BE EVALEATED TO AT LEAST THE ANGLE OF REPOSE EXCEPT IN AREAS WHERE SOLID ROCK ALLOW FOR LINE DRILLING OR PRESPLITTING.
   E. IN EXCAVATIONS WHICH EMPLOYEES MAY BE REQUIRED TO ENTER, EXCAVATED OR OTHER MATERIALS MUST BE EFFECTIVELY STORED & RETAINED AT LEAST 2 FT OR MORE FROM THE EDGE OF THE EXCAVATION.
**NOTES**


2. The posted speed limits shall remain at all times during construction.

3. Maintain access to all properties for emergency vehicles and solid waste services.

4. Maintain clear driveway access to all properties.

5. Provide and maintain access to the local traffic and businesses at all times during construction per Foot Standard Index 600.

6. The maintenance of traffic (NOT) plans for the project is the sole responsibility of the contractor. The contractor must produce his/her own NOT plans & must have said plans approved by owners representative prior to construction. Residents access to their homes and access for emergency vehicles should be provided at all times. The cost associated with this effort must be reflected in the bid.

7. NO ADDITIONAL COMPENSATION WILL BE GRANTED BY THE COUNTY FOR NOT COSTS ASSOCIATED WITH THIS PROJECT AFTER PROJECT AWARD. NOT PLANS THAT IMPACT US-1 SHALL BE APPROVED BY FDOT.

8. NOT PLANS SHALL INCLUDE BUT NOT LIMITED TO MESSAGE BOARDS TO INFORM ORDERS OF CONSTRUCTION ON ROADWAY & MAINTAINING CROSSING ACCESS. ETC, CONTRACTOR IS ALSO RESPONSIBLE FOR NOTIFYING ALL SCHOOLS & EMERGENCY SERVICES WITHIN THE VICINITY OF THE PROJECT LIMITS ABOUT THE CONSTRUCTION SCHEDULE.

9. All work shall be performed during day time only 7AM to 7PM. Contractor to coordinate with County’s representative prior to begin construction.

**Grading Notes**

1. **OSHA Trench Safety Compliance** - The Contractor shall utilize trench boxes or other approved means to comply with the Florida Trench Safety Act (Florida Statute Sections 553.60-553.62) and the Occupational Safety and Health Administration (OSHA) Excavation Safety Standards, 29 C.F.R. 1926.650 Section P

2. **Excavated Material** - Excavated material shall be disposed of in a manner acceptable and authorized by jurisdictional authorities. Contractor must comply with applicable sections of Technical Specifications.

3. **Construction Debris** shall not be buried or left on site during or after construction. Adverse impacts to proposed work or already constructed work by debris must be avoided.

4. **Landscape areas & other pervious areas that do not have a defined drainage collection system shall be graded to ensure positive drainage.**

---

**Paving Notes**

1. Resurfacing of hilled areas shall be completed within 3 calendar days of milling operation to minimize pothole development and inconveniences to motoring public.

2. Unless otherwise indicated, only roadway lanes affected by actual construction or damaged by construction equipment shall be hilled and resurfaced. Lanes damaged by construction equipment or by the improper operation of construction equipment shall be restored at the Contractor’s expense. All restoration shall comply with the standards and requirements of Foot and Monroe County.

3. Contractor shall adjust all manhole covers, utility access boxes, catch basins, valve boxes to be flush with finish grades.

4. Contractor shall post signs notifying residents of paving schedule days at least 48 hours in advance.
ENVIRONMENTAL NOTES

1. GENERAL ENVIRONMENTAL NOTES:

   The contractor shall review environmental requirements of any proposed staging areas with the Monroe County Project CE representative at least seventy two (72) hours prior to use. Staging areas on parcels need to be approved and permitted by the Monroe County Building Department at (305) 289-2301.

   Any material to be stockpiled for periods greater than 24 hours shall be protected with appropriate erosion control devices, cost to be included in the related bid item.

2. WETLANDS & OTHER SURFACE WATERS:

   The contractor is advised that wetland and other surface waters (natural water bodies and similar open or partially open water areas, waters of the United States) are adjacent to the project. The contractor shall not impact these wetlands or protected other surface waters. Wetlands cannot be used as staging or stockpile areas.

   The contractor shall not impact wetlands adjacent to the project corridor prior to or at the time of the pre-construction sighting. The contractor shall meet with the project engineer to field-verify the extent and boundary of wetland vegetation on site. Silt fences will be installed at construction areas adjacent to wetlands, and maintained in good condition at all times during construction activities.

   Any material inadvertently placed in wetlands or other surface waters shall be removed by hand. Any accidental damage caused to protected/preserved wetlands as a result of the contractor's activities shall immediately be reported to the project manager and project engineer. The contractor shall be responsible for appropriate rehancement of any such damage in accordance with directives and specifications provided by the project manager or the manager's designee.

   Silt fences shall not be placed within the limits of any wetlands or other surface waters. If hay bales are used for erosion control, placement of threathens with all cuttings, injuries, or killings. After project completion, reports summarizing these actions and all findings shall be submitted to the Monroe County Project Manager. The contractor shall comply with all federal state and local requirements regarding endangered species. Should these species be encountered, the contractor shall contact the Monroe County Project Manager within 24 hours of each encounter.

   The following precautions will be taken if an American crocodile or American alligator is encountered during construction: All workers shall be notified. The alligator or crocodile shall be allowed to leave the site on its own and shall not be disturbed, harmed, injured, or killed. The contractor shall immediately report the alligator or crocodile to the Monroe County Project Manager. The contractor shall comply with all federal state and local requirements regarding endangered species. Should these species be encountered, the contractor shall contact the Monroe County Project Manager within 24 hours of each encounter.

   The following precautions will be taken if an Eastern indigo snake is encountered during construction. All workers shall be notified. The snake shall be allowed to leave the site on its own, and shall not be disturbed, harmed, injured, or killed. The contractor shall not erect or place any fence, corral, or barriers, provided that the snake has not been disturbed. Should these species be encountered, the contractor shall contact the Monroe County Project Manager within 24 hours of each encounter.

   3. PROTECTION OF LISTED SPECIES:

      a. Various animals designated by state and federal agencies as endangered, threatened, or species of special concern (e.g., "listed") may be present in the general project area. Such species include, but are not limited to, key larga woodrat (Neotoma floridana), key larga cotton mouse (Perognathus gossypinus allapalachicus), stock island tree snail (Otalithes reussi reussi), Florida tree snail (ligus fasciatus), snail showing, butterfly (Heliconius arthemis portulaca), white-browed pigeon (Columbia leucolophus), snipe, egret (Egretta fula), little blue heron (Egretta caerulea), frieden's heron (Egretta tricolor), white ibis (Eudocimus albus), brown pelican (Pelecanus occidentalis), roseate spoonbill (Platalea ajaja), American crocodile (Crocodylus acutus), American alligator (Alligator mississippiensis), eastern indigo snake (Drymarchon corais couperi), and Ruff rock crooked snake (Tantilla crocuta). The contractor should be aware that state and federal regulations prohibit harming or harassing any listed species.

      b. The contractor shall be responsible for ensuring that all project personnel, including sub-contractors, are aware of and abide by all requirements pertaining to listed animals and plant species. This responsibility extends to ensuring project personnel are aware of and abide by the requirements for inspecting vegetation clearing/thinning areas for the presence of bird nests and the prohibition against damaging such nests without prior approval (see general vegetation clearing and trimming notes).

      c. It is often difficult for untrained personnel to correctly identify listed species. Because of this, the contractor shall not harm or harass any animal species encountered during project construction. Should these species be encountered, the contractor shall immediately report the occurrence to the Monroe County Project Manager within 24 hours of each encounter.

   4. PROTECTED HARBOUR MAMMALS:

      a. Protected harbour mammals are located adjacent to some areas of the project. These habitat contains protected vegetation areas as well as several of the listed species identified above. Therefore, it is critical that the same level of precaution be applied to avoiding impacts to this habitat as must be applied to protected wetlands.

      b. Prior to construction, silt fences must be installed along the edge of harbour vegetation to reduce dust from entering the harbour mouth and to clearly delineate the areas that must be avoided during construction activities, including staging, walking, and equipement movements.

   5. GENERAL VEGETATION CLEARING AND TRIMMING:

      a. Project construction activities within the project limits of construction (LOC) may require trimming of portions of trees and shrubs that extend into the LOC from vegetation that is located outside of but adjacent to the LOC. These trees and shrubs must be protected where possible.

      b. All trimming of native trees and shrubs, and any root pruning or pruning necessary to construct the project, shall be conducted by, or performed under the direct supervision of a certified arborist, certified by the international society of arboriculture, cost to be included in the related bid item.

      c. Wherever clearing or removal of existing native vegetation located outside the project location is prohibited, unless otherwise indicated in the plans. If native vegetation including landscaping materials, located outside said areas is impacted without authorization or trees specified to be protected in the project plans are impacted, the contractor shall be responsible for all necessary replacements. Replacement vegetation must be approved by the Monroe County Project Manager or his designee. The contractor shall warrant the establishment and survival of the replacement material for a period of at least one year following its installation.

      d. Where project construction requires clearing or trimming of existing trees or shrubs, the contractor shall first have a qualified biologist thoroughly inspect the area to be impacted for the presence of listed species and nests. This inspection shall be conducted no sooner than one week prior to starting the vegetation clearing and trimming activities in a particular portion of the project. Should presence of a listed species or a bird's nest be encountered, the qualified biologist shall mark the location, and immediately notify the Monroe County Project Manager (or manager's designee). No clearing or trimming of existing trees or shrubs shall be conducted until a qualified biologist or an identified listed species or nest within the Monroe County Project Manager (or manager's designee) notes the contractor that work can proceed in this buffer area.
APPLICABLE CODES AND STANDARD SPECIFICATIONS:

2. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS, 2019.
3. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF STREETS AND HIGHWAYS (FLORIDA GREENBOOK), 2018.
4. MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009.
5. FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).
6. SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD).
7. U.S. ARMY CORPS OF ENGINEERS (USACE).

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY

The project consists of milling, resurfacing, overbuild & reconstruction of the streets outlined below in Monroe County, Florida. This involves shoreline regrading and underground storm system for stormwater management.

1.B. KEY SHEETS

1.A. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

The Contractor shall follow the sequence of major activities described below, unless the Contractor proposes a different sequence that is equal or better at controlling erosion and trapping sediment and is approved by the Engineer.

1.A.1 Permanent or Temporary Erosion & Sediment Control Measures shall be installed at the earliest practicable time consistent with good construction practice. One of the first construction activities shall be the placement of temporary erosion & sediment control measures around the perimeter of the project. The initial work area & other affected areas to prevent stormwater pollution. Close and permanent features shall be paid to the hangovers and wetland areas adjacent to the project.

1.A.2 Conformance with SWPPP does not relieve the contractor of responsibilities to protect adjacent properties, features & natural environment from the possible damage impact that may arise as a result of the construction.

1.A.3 Contractor shall install perimeter pollution prevention controls after clearing & grubbing but before beginning other construction phases. Contractor shall remove perimeter controls only after all areas have been stabilized.

1.A.4 Modifications or changes to the information depicted on the Stormwater Pollution Prevention Plan must be submitted to the Florida Department of Environmental Protection (FDEP) for approval.

1.A.5 If additional erosion & sediment control BMPs are requested by any regulatory agency, the contractor shall promptly implement said measures after approval of such modifications.

1.A.6 Contractor shall meet the maintenance requirements as indicated in Section 2.0 Controls.

1.A.7 AREA ESTIMATES

Total site area: 3.9 acres
Total area to be disturbed: 2.3 acres

1.B. RUNOFF DATA

Runoff coefficients: the overall run-off coefficient is 0.65

1.C. SOIL DATA

Organic peat
From 0 to 0.9 ft
Loamy sand
From 0.9 to 1.4 ft (max depth of the borings)

RECEIVING WATER BODIES INFORMATION:

There are no receiving water bodies affected directly under this project.

1.D. SITE MAP

The construction plans are being used as the site maps. The location of the required information is described below. The sheet numbers for the plan sheets referenced are identified on the key sheet. These construction plans:

- Approximate slopes: the slopes of the site are to remain as existing. The direction in plans any incidental regrading will have positive drainage into the proposed storm drain systems.
- Areas of soil disturbance: the areas to be disturbed are indicated on the construction plans. Any areas where permanent features are shown to be constructed above or below ground will be disturbed.
- Areas not to be disturbed: roadside areas where mowing and resurfacing occur will not be disturbed unless permanent features are shown to be constructed above or below ground.
- Locations of temporary controls: these are shown on the construction plans. The contractor’s erosion control sheets may provide specific information for the controls associated with construction areas.
- Locations of permanent controls: these are shown on the construction plans.
- Surfaced and maintain natural buffers adjacent to surface waters of the state.

2.0 CONTROLS

2.A. POLLUTION PREVENTION CONTROLS

The contractor shall provide for the design, installation, implementation, and maintenance of effective pollution prevention measures to accomplish all of the following:

2.A.1 Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash basins, and other wash waters. Treat wash waters a treatment system so that they do not cause or contribute to violations of water quality criteria. Minimize the exposure of building materials, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, and other materials present on the site to precipitation and to stormwater.

2.A.2 Minimize the discharge of pollutants from spills and leaks, and implement chemical spill and leak prevention and response procedures.

2.A.3 Minimize control wastes, such as discarded materials, chemicals, litter, and sanitary waste, in accordance with all applicable state, local, and federal regulations.

2.A.4 Control stormwater volume and velocity within the site to minimize soil erosion.

2.A.5 Limit the application, generation, and migration of toxic substances and properly store and dispose of toxic materials.

2.B. EROSION AND SEDIMENT CONTROLS

The contractor shall provide for the design, installation, implementation, and maintenance of appropriate erosion and sediment controls to accomplish all of the following:

2.B.1 Control stormwater volume and velocity within the site to minimize soil erosion.

2.B.2 Control stormwater peak discharge rates and volume to avoid erosion at vegetated areas on the west side of Shaw Drive.

2.B.3 Minimize the amount of soil exposed during the construction activity, erosion and sediment controls. The contractor shall not be required to remove existing vegetation until they are approved by the engineer.

2.B.4 Minimize off-site vehicle tracking of sediments onto paved surfaces and the generation of dust. If sediment escapes the construction site, any off-site accumulations of sediment must be removed at a frequency sustainable to minimize off-site impacts.

2.B.5 Minimize the disturbance of steep slopes. Minimize sediment discharges from the site. The design, installation, and maintenance of erosion and sediment controls shall address factors such as the amount, frequency, intensity, and duration of precipitation, the nature of the resulting stormwater, and soil characteristics, including the range of soil particle sizes expected to be present on the site.

2.B.6 Minimize soil compaction and preserve topsoil.
2C. SEDIMENT BASINS

2C.1 At a minimum, silt fences or equivalent sediment controls are required for all sideslope and cross-slope boundaries of the construction area.

2D. MAINTENANCE REQUIREMENTS:

2D.1 The plan shall include a description of procedures that will be followed to ensure the timely maintenance of vegetation, erosion and sediment controls, stormwater management practices, and other protective measures and BMPs so they will remain in good and effective operating condition.

2D.2 The contractor shall be responsible for maintenance repairs of erosion & sediment control BMPs devices for the foot of the stabilizing structure for road & bridge construction (current edition). The maintenance of these devices shall occur until the County’s representative establishes areas as permanently stabilized. The contractor shall remove all temporary erosion control after completion of the project.

2D.3 Erosion & sediment control measures shall be adequately maintained by the contractor to perform the intended function during construction of the project.

2D.4 The contractor shall monitor all pollution control devices to ensure sufficient conveyance of stormwater runoff & to eliminate soil erosion during construction.

2D.5 Contractor shall cover loaded trucks with tarps/aulins.

2D.6 Contractor shall remove excess dirt from work site on a daily basis.

2D.7 Built-up sediment will be removed from the staked silt fence when it reaches one-third of the fence barrier or whenever flow is impeded.

2D.8 At no time should sediments be allowed to accumulate within drainage structure & conveyance pipelines. Structures & pipelines must be designed prior to paving the cleaning operations shall not flush sediment-laden water into the demolition system.

2D.9 Stockpile of earth & other construction related material shall be protected against accidental transportation from the project site.

2D.10 All storm drainage systems made operable during construction shall be protected so that sediment water cannot gain entry into the conveyance system without first being filtered or other wise treated to remove sediments.

3. OTHER CONTROLS

The following non-stormwater discharges are prohibited:

3A. WASTEWATER FROM WASHOUT OF CONCRETE

3B. WASTEWATER FROM WASHOUT CONCRETE AND CLEANSOUTS OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CORRECTIVE MEASURES PRIOR TO PAVING THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DEMOLITION SYSTEM.

3C. FUELS, OILS, OR OTHER POLLUTANTS ASSOCIATED WITH VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE.

3D. SOAPS OR SOLVENTS USED IN VEHICLE OR EQUIPMENT WASHING OR CLEANING.

3E. THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLUSHES FROM FIRE FIGHTING ACTIVITIES) THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION FROM NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, SUCH OCCURRENCES MUST BE REPORTED IMMEDIATELY TO THE ENGINEER AND OWNERS REPRESENTATIVE.

4. INSPECTIONS.

An inspector qualified in accordance with Part 112.12 of DEP document effective February 17, 2000, incorporated by reference in paragraph F.A.C., (provided by the owner or operator) shall perform all required periodic inspections. Site inspections must include all points of discharge into surface waters or an MS4, disturbed areas of non-adjacent wetlands, and areas that are newly stabilized areas for storage of materials that are exposed to precipitation. Observation areas and locations will be a site, site inspections shall be conducted at least every seven calendar days and within 24 hours of the end of a storm that is 0.50 inches or greater. Inspections shall include:

4A. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION AND PROPOSED CONSTRUCTION PROJECTS WHICH ARE PROPOSED TO OCCUR WITHIN THE CONDITIONS OF THE CGP.

4B. BASED ON THE RESULTS OF THE INSPECTION, ALL MAINTENANCE OPERATIONS NEEDED TO ASSURE PROPER OPERATION OF ALL CONTROLS, BMPs, PRACTICES, OR MEASURES IDENTIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN SHALL BE PERFORMED IN A CLEAN MANNER, BUT NO CASE LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION. IF NEEDED, POLLUTION PREVENTION CONTROLS, AND MEASURES IDENTIFIED IN THE PLAN MAY BE REVISED AS NECESSARY TO ASSURE PROPER OPERATION OF ALL CONTROLS, BMPs, PRACTICES, OR MEASURES IDENTIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN SUCH REVISIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.


5. WETLANDS

5A. CONTRACTOR SHALL INSTALL AND MAINTAIN SILT FENCE ON ADJACENT WETLANDS FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES.

5B. CONTRACTOR SHALL STABILIZE NEWLY CONSTRUCTED SLOPES ON ADJACENT WETLANDS TO PREVENT EROSION AND TURBIDITY, AND ALSO STABILIZE DISTURBED AREAS IMMEDIATELY AFTER FINAL GRADE HAS BEEN ATTAINED OR DURING INTERIM PERIODS OF INACTIVITY RESULTING FROM CONSTRUCTION DELAYS.

6. PERMITS

The contractor is responsible for obtaining an NPDES Stormwater Permit Coverage by submitting the following to the Florida Department of Environmental Protection (FDEP):

6A. PREPARE AND SUBMIT A CPD NOTICE OF INTENT (NOI) (DEP DEVELOP AND SUBMIT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). IN PRACTICE, THE PLAN MUST INCLUDE THE FOLLOWING:

A SITE EVALUATION OF HOW AND WHERE POLLUTANTS MAY BE DISCHARGED FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.

- IDENTIFICATION OF APPROPRIATE EROSION AND SEDIMENT CONTROLS, AND STORMWATER BEST MANAGEMENT PRACTICES (BMPs) TO REDUCE EROSION, SEDIMENTATION, AND STORMWATER POLLUTION.

- A MAINTENANCE AND INSPECTION SCHEDULE.

- A RECORDKEEPING PROCESS.

- IDENTIFICATION OF STORMWATER EXIT AREAS. PREPARE AND SUBMIT A NOTICE OF TERMINATION (NOT) (DEP FORM 62-62.10(0)) IN ORDER TO DISCONTINUE PERMIT COVERAGE. ALSO AN APPLICATION FOR TERMINATION SPECIFIED IN THE CGP.

ARCHES CADAstral P.F.
P.F. LICENSE NUMBER 6/9777
PREPARED AT: CENTER DRIVE, SUITE 301, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01463
SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION STORM WATER POLLUTION PREVENTION PLAN SW-2A
ROADWAY CROSS SECTIONS (SHAW DR)

SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT
MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY CROSS SECTIONS (SHAW DR)

SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

DESCRIPTION
16+00.00
EX. SAN 6"
INV -3.6'

17+00.00
EX. SAN 6"
INV -4.3'

18+00.00
PROP. STRM 24" INV -4.6

19+00.00
PROP. STRM 24" INV -4.4

20+00.00
PROP. STRM 24" INV -4.5

21+00.00
PROP. STRM 24" INV -4.6

DATE
10/29/2019

REVISIONS

SHEET NO.
RD-21A

WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462

P.E. LICENSE NUMBER 63917

MONROE COUNTY - DEPARTMENT OF ENGINEERING

PROJECT (KEY LARGO AND BIG PINE KEY)

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 F.A.C.

t:\Projects\193618a_sea level rise pilot\2_sheetfiles\RDXSRD01.dwg

10/29/2019 4:47:52 PM
CERTIFICATE OF AUTHORIZATION 01462

PROJECT (KEY LARGO AND BIG PINE KEY)

DESCRIPTION

DATE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004’ F.A.C.

PROVISION SHALL BE MADE BY CONTRACTOR FOR REMOVAL OF EXISTING STORMWATER SYSTEM.

DURING NON-WORKING HOURS, ROADWAY SHALL BE RESTORED TO MINIMUM TWO LANE TWO-WAY ROADWAY. LENGTH OF WORK ZONE (WZL) SHALL RESTORE ALL SWALES DRIVEWAYS AND SIDEWALKS IMPACTED BY CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER.

UNLESS AUTHORIZED BY THE COUNTY, WITH A WRITTEN REQUEST, SUBMITTED BY THE CONTRACTOR 72 HOURS PRIOR TO COMMENCEMENT OF WORK.

PRIOR TO MOBILIZATION OF EACH PHASE OF THE PROJECT.

TRENCHING, SHORING, AND BACKFILLING FOR DRAINAGE INSTALLATION SHALL BE PER MONROE COUNTY STANDARD SPECIFICATION SECTION 80.

DUST CONTROL MEASURES SHALL BE IMPLEMENTED ON ALL UNPAVED SURFACES UNTIL PAVED.

THE CONTRACTOR SHALL RETURN THE GROUND TO ITS ORIGINAL CONDITION OR PROPOSED FINAL AREA.

INSTALL APRONS PER FDOT INDEX 102-600 TO MITIGATE FOR UNEVEN SURFACES ALONG THE TRAVELED WAY DURING NON-WORKING HOURS.

ADDITIONAL FLAGGERS MAY BE REQUIRED TO ENSURE DRIVEWAY ACCESSIBILITY DURING MILLING AND PAVING OPERATIONS.

ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE REMOVED FOR TCC PURPOSES SHALL BE REPLACED BEFORE COMPLETION OF THE PROJECT.

THE EXISTING POSTED SPEED LIMIT SIGNS SHALL REMAIN THROUGHOUT ALL CONSTRUCTION STAGES, UNLESS OTHERWISE NOTED.

ANY EXISTING STREET AND ROAD NAME SIGNS THAT ARE IMPACTED BY CONSTRUCTION ARE TO BE TEMPORARILY RELOCATED AND KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLE TRAFFIC.

CONFLICTS WITH EXISTING SIGNS AND OTHER ROADSIDE OBSTRUCTIONS.

WORK ZONE SPECIAL NOTES

1. PAWEMENT MUST BE RESTORED TO AN ASPHALT BASE COURSE AS A MINIMUM BEFORE REOPENING ANY WORK ZONE TO TRAFFIC. REFER ALSO TO GENERAL NOTE 14.

2. PROVIDE UNOBLICTED ACCESS TO ALL DRIVEWAYS AND SIDE STREETS ADJACENT TO THE WORK ZONE AT ALL TIMES. TEMPORARY USE OF STEEL PLATES TO COVER EXCAVATION IS PERMITTED.

3. FOR WORK WITHIN THE TRAVELED WAY, REFER TO FDOT STANDARD PLAN INDEX 102-603 FOR TRAFFIC CONTROL. MAINTAIN A MINIMUM OF ONE 9-FOOT LANES DURING WORKING HOURS ALONG THE WORK ZONE.

4. FOR WORK WITHIN AND NEAR INTERSECTIONS, REFER TO STANDARD PLAN INDEX 102-604 AND 102-405.

5. FOR WORK ON THE SHOULDER AND ROADSIDE. REFER TO FDOT STANDARD PLAN INDEX 102-612.

6. SHORT DURATION INTERRUPTIVE ROADWAY CLOSURES TO INSTALL DRAINAGE CROSSINGS SHALL BE PERMITTED. CLOSURE SHALL BE LIMITED TO 30 MINUTES AT A TIME AND SHALL INCLUDE THE TIME NEEDED TO MAKE THE WORK ZONE SUITABLE FOR TRAFFIC QUEUE CLEANING.

7. ALL DROP OFFS ALONG CONSTRUCTION WORK ZONES SHALL BE HANDLED PER FDOT INDEX 102-600. NO VERTICAL DROP-OFFS GREATER THAN 1.5 INCHES SHALL BE LEFT EXPOSED AND UNSTANCED DURING WORKING HOURS. CHAIN LINK FENCE DEVICES SHALL REMAIN IN PLACE AT ALL TIMES TO DELINEATE MITIGATED VERTICAL DROP-OFFS GREATER THAN 3 INCHES ALONG THE WORK ZONE.

8. INSTALL APRONS PER FOOT INDEX 102-600 TO MITIGATE FOR UNEVEN SURFACES ALONG THE TRAVELED WAY DURING NON-WORKING HOURS.

9. ADDITIONAL FLAGGERS MAY BE REQUIRED TO ENSURE DRIVEWAY ACCESSIBILITY DURING MILLING AND PAVING OPERATIONS.

10. PEDESTRIANS SHALL BE ESCORTED BY FLAGGERS THROUGH THE WORK ZONE.

11. THE EXISTING GRAVEL SHOULDER ADJACENT TO THE PAVED TRAVELED WAY MAY BE USED FOR ADDITIONAL WIDTH TO DETOUR TRAFFIC ALONG THE ROADWAY. THE CONTRACTOR SHALL ENSURE NEW GRAVEL SHOULDER IS SUITABLE AND ITS SUITABLE FOR TRAFFIC PRIOR TRAFFIC DIVERSION. ADDITIONAL TEMPORARY GRAVELS MAY BE PLACED WHEN EXISTING CONDITIONS ARE NOT SUFFICIENT. ANY ROADSIDE FEATURES AND DRIVEWAYS IMPACTED SHALL BE RESTORED TO ORIGINAL CONDITIONS OR BETTER.

12. TRENCHING, SHORING, AND BACKFILLING FOR DRAINAGE INSTALLATION SHALL BE PER MONROE COUNTY STANDARD SPECIFICATION SECTION 80.

13. CONTRACTOR SHALL IDENTIFY STAGING AREAS ALONG THE PROJECT SITE AND SUBMIT FOR APPROVAL TO THE COUNTY PROJECT MANAGER AND EOR PRIOR TO MOBILIZATION OF EACH PHASE OF THE PROJECT.

REQUIREMENTS

1. PROJECT WORK HOURS ARE BETWEEN 7:00 AM AND 7:00 PM MONDAY THROUGH FRIDAY. NO WORK IS ALLOWED ON WEEKENDS OR LEGAL HOLIDAYS, UNLESS AUTHORIZED BY THE COUNTY, WITH A WRITTEN REQUEST, SUBMITTED BY THE CONTRACTOR 72 HOURS PRIOR TO COMMENCEMENT OF WORK.

2. ACCESS FOR LOCAL TRAFFIC WITH DESTINATIONS WITHIN THE WORK ZONES SHALL BE MAINTAINED.

3. ALL ROAD CLOSED SIGNS SHALL BE MOUNTED ON TYPE III BARRICADES.

4. RESTORE ALL SHALES DRIVEWAYS AND SIDEWALKS IMPACTED BY CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER.

5. DURING NON-WORKING HOURS, ROADWAY SHALL BE RESTORED TO NHWS TWO LANE TWO-WAY ROADWAY. LENGTH OF WORK ZONE (WZL) SHALL CONSIDER THE ABILITY TO RESTORE THE EXISTING LANE CONFIGURATION AT THE END OF EACH WORK PERIOD.

6. PROVISION SHALL BE MADE BY CONTRACTOR FOR REMOVAL OF EXISTING STORMWATER SYSTEM.

SIGNING NOTES

1. THE CONTRACTOR SHALL ENSURE THAT PERMANENT SIGNS DO NOT CONFLICT WITH TCC SIGNS. THE CONTRACTOR SHALL COVER ALL SIGNS, BOTH PERMANENT AND TEMPORARY, THAT CONFLICT WITH TCC PUBLIC DURING CONSTRUCTION OPERATIONS.

2. THE EXISTING POSTED SPEED LIMIT SIGNS SHALL REMAIN THROUGHOUT ALL CONSTRUCTION STAGES, UNLESS OTHERWISE NOTED.

3. ANY EXISTING STREET AND ROAD NAME SIGNS THAT ARE IMPACTED BY CONSTRUCTION ARE TO BE TEMPORARILY RELOCATED AND KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLE TRAFFIC.

4. CONTRACTOR MUST MAINTAIN EXISTING CONSTRUCTION SIGNS, IF SIGNS ARE DAMAGED DUE TO HIS ACTIVITY, THE CONTRACTOR IS REQUIRED TO REPLACE THEM PROMPTLY IN ACCORDANCE WITH CURRENT COUNTY OR STATE SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.

5. GROOVED PAVEMENT AHEAD SIGN IS REQUIRED 500 FEET IN ADVANCE OF A MILLED OR GROOVED SURFACE OPEN TO TRAFFIC. THE W8-15P SIGN SHALL BE USED IN CONJUNCTION WITH THE GROOVED PAVEMENT AHEAD SIGN.

6. PROVIDE ADVANCE WARNING SIGNS PER FOOT INDEX 102-603, 102-604, 102-605, AND 102-612 AS APPLICABLE. FIELD LOCATE SINGING TO AVOID CONFLICTS WITH EXISTING SIGNS AND OTHER ROADSIDE OBSTRUCTIONS.
STAGE 1A CONSTRUCTION STAGING NOTES

1. Establish work zone on the east side of Shaw Drive
2. Setup traffic control per FDOT Index 102-603 for 25 mph posted speed
3. Construct drainage system along Shaw Drive
4. Mill and resurface minimum width of 11 feet of roadway
5. Reopen to traffic

STAGE 2A CONSTRUCTION STAGING NOTES

1. Establish work zone on the west side of Shaw Drive
2. Setup traffic control per FDOT Index 102-603 for 25 mph posted speed
3. Construct drainage system
4. Mill and resurface minimum width of 11 feet of roadway
5. Reopen to traffic

STAGE 1B CONSTRUCTION STAGING NOTES

1. Establish work zone on the east side of Shaw Drive
2. Setup traffic control per FDOT Index 102-603 for 25 mph posted speed
3. Mill and resurface remaining roadway width
4. Open to traffic
5. Construct drainage swale with a reduced work zone per FDOT Index 102-612

STAGE 2B CONSTRUCTION STAGING NOTES

1. Establish work zone on the west side of Shaw Drive
2. Setup traffic control per FDOT Index 102-603 for 25 mph posted speed
3. Continue construction of drainage system
4. Construct gravity wall
5. Resurface a minimum width of 11 feet of roadway
6. Open to traffic

SHAW DRIVE

TRAFFIC CONTROL PLAN

PROJECT (KEY LARGO AND BIG PINE KEY)
MONROE COUNTY - DEPARTMENT OF ENGINEERING

WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126
CERTIFICATE OF AUTHORIZATION 01462

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004' F.A.C.
STAGE 3A CONSTRUCTION STAGING NOTES
1. ESTABLISH WORK ZONE ON THE SOUTH SIDE OF CRANE STREET
2. SETUP TRAFFIC CONTROL PER FOOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. MILL, RESURFACE, AND OVERBUILD A MINIMUM WIDTH OF 12 FEET OF ROADWAY
4. REOPEN LANE TO TRAFFIC
5. CONSTRUCT DRAINAGE FEATURES OUTSIDE OF THE TRAVELED WAY

STAGE 3A
9 LANE MIN.
WORK ZONE
12 MIN.
R/W LINE
\[ Q \text{ CONST} \]
EXIST.
GRADE
TYPICAL SECTION - CRANE ST MILLING, RESURFACING & OVERBUILD, NTS
STA. 10+00 - 15+00

STAGE 3B CONSTRUCTION STAGING NOTES
1. ESTABLISH WORK ZONE ON THE NORTH SIDE OF CRANE STREET
2. SETUP TRAFFIC CONTROL PER FOOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. CONSTRUCT DRAINAGE SYSTEM WITHIN THE TRAVELED WAY
4. MILL, RESURFACE, AND OVERBUILD THE REMAINDER OF THE ROADWAY
5. REOPEN LANE TO TRAFFIC
6. CONTINUE CONSTRUCTION OF DRAINAGE FEATURES OUTSIDE THE TRAVELED WAY

STAGE 3B
WORK ZONE
LANE 9 MIN.
R/W LINE
\[ Q \text{ CONST} \]
EXIST.
GRADE
TYPICAL SECTION - CRANE ST MILLING, RESURFACING & OVERBUILD, NTS
STA. 10+00 - 15+00

STAGE 4A CONSTRUCTION STAGING NOTES
1. ESTABLISH WORK ZONE ON THE EAST SIDE OF ADAMS DRIVE
2. SETUP TRAFFIC CONTROL PER FOOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. MILL, RESURFACE, AND OVERBUILD A MINIMUM WIDTH OF 12 FEET OF ROADWAY
4. REOPEN LANE TO TRAFFIC
5. CONTINUE CONSTRUCTION OF DRAINAGE FEATURES OUTSIDE OF THE TRAVELED WAY

STAGE 4A
9 LANE MIN.
WORK ZONE
12 MIN.
R/W LINE
\[ Q \text{ CONST} \]
EXIST.
GRADE
TYPICAL SECTION - ADAMS DR MILLING, RESURFACING & OVERBUILD, NTS
STA. 10+40 TO STA. 12+80,
STA. 15+23 TO STA. 15+50

STAGE 4B CONSTRUCTION STAGING NOTES
1. ESTABLISH WORK ZONE ON THE WEST SIDE OF ADAMS DRIVE
2. SETUP TRAFFIC CONTROL PER FOOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. MILL, RESURFACE, AND OVERBUILD THE REMAINDER OF THE ROADWAY
4. REOPEN LANE TO TRAFFIC
5. CONTINUE CONSTRUCTION OF DRAINAGE FEATURES OUTSIDE THE TRAVELED WAY

STAGE 4B
WORK ZONE
LANE 9 MIN.
R/W LINE
\[ Q \text{ CONST} \]
EXIST.
GRADE
TYPICAL SECTION - ADAMS DR MILLING, RESURFACING & OVERBUILD, NTS
STA. 10+40 TO STA. 12+80,
STA. 13+23 TO STA. 13+50

CRANE STREET

ADAMS DRIVE
STAGE 5A

1. Establish work zone on the east side of Adams Drive
2. Setup traffic control per foot index 102-603 for 25 mph posted speed
3. Mill and resurface a minimum width of 12 feet of roadway
4. Reopen lane to traffic
5. Construct drainage features outside of the traveled way

WORK ZONE

TYPICAL SECTION - ADAMS DR
MILLING, RESURFACING & OVERBUILD, NTS
STA. 12+80 TO STA. 15+23
STA. 20+20 TO STA. 25+38

STAGE 6A

1. Establish work zone on the west side of Adams Drive
2. Setup traffic control per foot index 102-603 for 25 mph posted speed
3. Mill and resurface the remainder of roadway
4. Reopen lane to traffic
5. Construct drainage features outside of the traveled way

WORK ZONE

TYPICAL SECTION - ADAMS DR
MILLING, RESURFACING & OVERBUILD, NTS
STA. 25+38 TO STA. 27+13

STAGE 5B

1. Establish work zone on the west side of Adams Drive
2. Setup traffic control per foot index 102-603 for 25 mph posted speed
3. Mill and resurface the remainder of roadway
4. Reopen lane to traffic
5. Construct drainage features outside of the traveled way

WORK ZONE

TYPICAL SECTION - ADAMS DR
MILLING, RESURFACING & OVERBUILD, NTS
STA. 12+80 TO STA. 15+23
STA. 20+20 TO STA. 25+38

STAGE 6B

1. Establish work zone on the west side of Adams Drive
2. Setup traffic control per foot index 102-603 for 25 mph posted speed
3. Construct drainage within the traveled way
4. Reconstruct the remainder of the roadway in lifts to match the interim grade of the adjacent lane. Install temporary gravel on the existing shoulder to match new grade.
5. Reopen lane to traffic
6. Continue construction of drainage features outside the traveled way
7. If final grade has not been achieved, re-establish stage 6A followed by stage 6B until final grade is achieved.

WORK ZONE

TYPICAL SECTION - ADAMS DR
MILLING, RESURFACING & OVERBUILD, NTS
STA. 25+38 TO STA. 27+13

ADAMS DRIVE
STOP SIGN DETAIL

SIGN ADJACENT TO PAVEMENT WITHOUT CURB

NOTE: STOP SIGN ASSEMBLY SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MONROE COUNTY PUBLIC WORKS DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.

STOP SIGN DETAIL

STREET / STOP SIGN LOCATION

MINOR INTERSECTIONS
IN THRU STREET RUNS NORTH/SOUTH, THE STREET NAME SIGN WILL BE INSTALLED ON NORTHEAST CORNER, ABOVE STOP SIGN.
IN THRU STREET RUNS EAST/WEST, THE STREET NAME SIGN WILL BE INSTALLED ON NORTHWEST CORNER, ABOVE STOP SIGN.
WHERE STOP SIGN ARE REQUIRED, PLACE STREET NAME SIGN ABOVE SIGN (SEE MONROE COUNTY PUBLIC WORKS DEPT. STANDARD DETAIL R 14.2 AND COUNTY’S SPECIFICATIONS.

NOTE:** IN CASES WHERE THE STREET DEAD ENDS AND HAS NO INTERSECTING STREETS, A WARNING SIGN NO OUTLET (W14-2), MUST BE INSTALLED ON THE OPPOSITE SIDE OF THE STREET. LOCATE AS DEPICTED IN DETAIL OR AS INDIcATED IN PLANS.
GENERAL NOTES:

1. PROPOSED IMPROVEMENTS SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.

2. CONTRACTOR SHALL PERFORM ALL WORK WITHIN LEGAL PROPERTY AND EASEMENT, AND SHALL NOT DISTURB ADJACENT PROPERTY.

3. CONTRACTOR SHALL INCLUDE NECESSARY CUTTING, PATCHING AND RESTORATION OF ALL EXISTING SURFACES TO MATCH SURROUNDING AREAS.

4. FIELD VERIFY ALL ELEVATIONS PRIOR TO COMMENCING THE WORK.

5. CONTRACTOR SHALL VERIFY EXISTING PIPING TO REMAIN BEFORE ORDERING PROPOSED PIPING/FITTINGS CONNECTING TO IT.

6. CARE SHOULD BE TAKEN TO AVOID DISTURBING EXISTING ELECTRICAL SERVICE IN THE AREA UNDER CONSTRUCTION.

7. MECHANICAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND COORDINATE NEW WORK TO BE DONE WITH THEIR TRADES PRIOR TO COMMENCING IT. THE MECHANICAL WORK SHALL BE SCHEDULED SO THAT IT WILL OCCUR IN THE PROPER SEQUENCE AND WITHOUT DELAYING THE COMPLETION OF THE WORK.

8. SHEET PILING MAY BE REQUIRED FOR EXCAVATION. IF SO CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A STATE OF FLORIDA LICENSED PROFESSIONAL ENGINEER.

PROPOSED PUMP STATION SITE PLAN
**MECHANICAL BILL OF MATERIALS**

<table>
<thead>
<tr>
<th>#</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>SHROUDED SINGLE OR MULTI-CHANNEL MIXED FLOW IMPELLER PUMP, FLYGT MODEL LL3602/845; STAINLESS STEEL 4 BLADE 675mm Ø IMPELLER°; 460V/185hp 3 PHASE MOTOR MODEL L0845.000; SUBMERSIBLE CABLE, PUMP SUPPORT, LIFTING CHAIN, LIFT TUBE WITH ELBOW AND FLANGE CONNECTION, AND ALL OTHER ITEMS REQUIRED FOR COMPLETE INSTALLATION.</td>
</tr>
<tr>
<td>2.0</td>
<td>30&quot; MANHOLE COVER - HS20 LOAD RATED (CONTECH)</td>
</tr>
<tr>
<td>3.0</td>
<td>60&quot;x168&quot; ALUMINUM ACCESS HATCH, HS20 RATED, W/ AUTOMATIC HOLD OPEN ARM &amp; SLAM LOCK</td>
</tr>
<tr>
<td>4.0</td>
<td>48&quot; VERTICAL DISCHARGE PIPE STAINLESS STEEL (FLYGT)</td>
</tr>
<tr>
<td>5.0</td>
<td>48&quot; DISCHARGE ELBOW COVER (FLYGT)</td>
</tr>
<tr>
<td>6.0</td>
<td>48&quot; FORMED SUCTION INTAKE (FLYGT)</td>
</tr>
<tr>
<td>7.0</td>
<td>48&quot; DISCHARGE ELBOW WITH FLANGED END (ANSI 125 - FLYGT)</td>
</tr>
<tr>
<td>8.0</td>
<td>POLLUTION TREATMENT UNIT - CONTECH CDS MODEL CDS5653-10C</td>
</tr>
<tr>
<td>9.0</td>
<td>FIBERGLASS INLET FLUME FOR CONTECH CDS</td>
</tr>
<tr>
<td>10.0</td>
<td>LEVEL SENSOR - PRESSURE TRANSDUCER (FLYGT)</td>
</tr>
<tr>
<td>11.0</td>
<td>LEVEL SENSOR - FLOAT (FLYGT)</td>
</tr>
<tr>
<td>12.0</td>
<td>STAINLESS STEEL FLG. ELBOW (FLYGT)</td>
</tr>
<tr>
<td>13.0</td>
<td>24&quot; SPOOL PIECE D.I.P./PLAIN END (2 L.F.)</td>
</tr>
<tr>
<td>14.0</td>
<td>24&quot; D.I.P. (2.5 L.F.)</td>
</tr>
<tr>
<td>15.0</td>
<td>HORIZONTAL SWING 24&quot; DIA. CHECK VALVE FLANGED</td>
</tr>
<tr>
<td>16.0</td>
<td>24&quot; DIA. GATE VALVE FLANGED</td>
</tr>
<tr>
<td>17.0</td>
<td>PRESSURE GAUGES</td>
</tr>
<tr>
<td>18.0</td>
<td>1&quot; DIA. GATE VALVE</td>
</tr>
<tr>
<td>19.0</td>
<td>24&quot; D.I.P. (3 L.F.)</td>
</tr>
<tr>
<td>20.0</td>
<td>120°x144&quot; ALUMINUM ACCESS HATCH, HS20 RATED, W/ AUTOMATIC HOLD OPEN ARM &amp; SLAM LOCK</td>
</tr>
</tbody>
</table>

**PUMP SCHEDULE**

- **HIGH WATER ALARM**: (-) 7.00 FT NAVD
- **ALL PUMPS ON**: (-) 8.50 FT NAVD
- **LAG PUMP ON**: (-) 9.50 FT NAVD
- **LEAD PUMP ON**: (-) 10.50 FT NAVD
- **PUMPS OFF**: (-) 18.50 FT NAVD
- **LOW WATER ALARM**: (-) 19.00 FT NAVD

**WSP USA, 1900 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126**

**MONROE COUNTY - DEPARTMENT OF ENGINEERING**

**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT**

**CERTIFICATE OF AUTHORIZATION 01462**

**HIGH WATER ALARM**: (-) 7.00 FT NAVD

**ALL PUMPS ON**: (-) 8.50 FT NAVD

**LAG PUMP ON**: (-) 9.50 FT NAVD

**LEAD PUMP ON**: (-) 10.50 FT NAVD

**PUMPS OFF**: (-) 18.50 FT NAVD

**LOW WATER ALARM**: (-) 19.00 FT NAVD
FORCE MAIN PLAN & PROFILE

CERTIFICATE OF AUTHORIZATION 01462

SUITE 300, MIAMI, FLORIDA 33126

MONROE COUNTY - DEPARTMENT OF ENGINEERING

P.E. LICENSE NUMBER 63042

PROJECT (KEY LARGO AND BIG PINE KEY)

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004' F.A.C.

-14 0+12.14 0+00

PIPE CL STA. 0+09.24

SCALE 1" = 20' HORIZONTAL 1" = 3' VERTICAL

STA. 0+09.24 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+87.69 P.I.

PROP. 30" D.I.P. FM

STA. 0+84.22 P.I.

30 X 24" REST. TEE

STA. 0+66.59 P.I.

30 X 24" REDUCER

STA. 0+58.85 P.I.

22.50° REST. BEND

STA. 0+48.94 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+40.85 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+34.10 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+25.70 P.I.

30 X 24" REDUCER

STA. 0+16.01 P.I.

90° REST. BEND

STA. 0+03.11 P.I.

30 X 24" REST. TEE

STA. 0+09.24 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REDUCER

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.

30 X 24" REST. D.I.P. TEE

STA. 0+00 P.I.

22.50° REST. D.I.P. ELBOW

STA. 0+00 P.I.
PROP. PROFILE GRADE AT PIPE CENTERLINE

±0.88
±0.88
±0.79

STA. 0+87.69 P.I.
30 X 24" REST. TEE
PROP. 24" D.I.P. FM

STA. 1+67.44 P.I.
30 X 24" REST. TEE
PROP. 24" D.I.P. FM

BL STA. 12+35.99 O/S: 0.42 LT. PIPE CL STA. 2+67.71
PROP. 24" REST. D.I.P. TEE
PROP. 24" D.I.P. FM

BL STA. 12+35.98 O/S: 0.74 LT. PIPE CL STA. 1+67.44
PROP. 24° D.I.P. FM

SCALE
1" = 20 HORIZONTAL
1" = 2 VERTICAL

STA. 0+87.69 P.I.
30 X 24" REST. TEE
PROP. 24" D.I.P. FM

STA. 1+67.44 P.I.
30 X 24" REST. TEE
PROP. 24° D.I.P. FM

SCALE
1" = 20 HORIZONTAL
1" = 2 VERTICAL

BL STA. 13+36.26 O/S: 0.60 LT. PIPE CL STA. 1+67.44
PROP. 30 x 24" REST. D.I.P. TEE
PROP. 24° D.I.P. FM

SCALE
1" = 20 HORIZONTAL
1" = 2 VERTICAL

STA. 1+67.44 P.I.
30 X 24" REST. TEE
PROP. 30° D.I.P. FM

SCALE
1" = 20 HORIZONTAL
1" = 2 VERTICAL

STA. 2+67.71 P.I.
45° REST. BEND
45° REST. BEND

STA. 2+67.71 P.I.
24" REST. TEE (ROTATED DOWN)
PROP. 24" D.I.P. FM

SCALE
1" = 20 HORIZONTAL
1" = 2 VERTICAL

STA. 2+67.71 P.I.
24" D.I.P. FM

SCALE
1" = 20 HORIZONTAL
1" = 2 VERTICAL

STA. 1+67.44 P.I.
30 X 24" REST. TEE
PROP. 30° D.I.P. FM

SCALE
1" = 20 HORIZONTAL
1" = 2 VERTICAL
MANHOLE COVER IS TO BE CAST PROTRUDING 1-1/2" ABOVE PROPOSED 8" TOP SLAB TO MATCH EXISTING PAVEMENT ELEVATION WHEN WITHIN ROADWAY. MANHOLE IS TO BE CAST FLUSH WITH TOP SLAB WHEN STRUCTURE IS WITHIN GREEN AREA (TYP.).

PROPOSED ASPHALT, CONCRETE OR GRASS

PROPOSED APCO COMBINATION AIR VALVE MODEL NO. 147C, OR APPROVED EQUAL

M.H. FRAME TO BE FLUSH WITH EXIST. GRADE FRAME & COVER TO BE U.S. FOUNDRY MODEL NO. 1117-BL (BOLTED WATER TIGHT MANHOLE RING AND COVER) OR EQUAL W/ THE WORDS "STORM SEWER" CAST ON COVER

WELL HEAD

NOTES FOR DRAINAGE WELLS

1. CONTRACTOR SHALL OBTAIN DRAINAGE WELL PERMIT FROM FDEP INCLUDING SUPPORTING DOCUMENTATION.
2. WELL CAPACITY MUST BE 1000 GPM PER FOOT OF HEAD AS WELL AS AT MINIMUM WATER QUALITY OF 10,000 mg/L TDS PER 62-528.200. T.F.C. THE OPEN HOLE DEPTH MAY VARY AS NEEDED TO ACHIEVE STATED CAPACITY.
3. CONTRACTOR TO PROVIDE WELL CAPACITY REPORTS TO THE ENGINEER UPON THE COMPLETION OF EACH WELL PRIOR TO DRILLING THE NEXT WELL.
4. RECOMMENDED WELL CASING DEPTH IS 100 FEET.
5. IF CONTRACTOR CHOOSES TO DE-WATER TO WELLS DURING CONSTRUCTION, THEY SHALL BE RESPONSIBLE FOR RE-ESTABLISHING WELL TO ACHIEVE ORIGINAL CAPACITIES AT NO ADDITIONAL COST TO THE OWNER.
6. MANHOLE TYPE J-7 (6' DIA). SEE FDOT INDEX NO. 200 & 201 FOR ADDITIONAL DETAILS.
TYPE II CONCRETE ALL AROUND MANHOLE FRAME AND COVER MATCH FINISH GRADE

AUTOMATIC AIR RELEASE VALVE MATCH FINISH GRADE FOR CLEAR COVER LESS THAN 14” USE HINGE TYPE MH (MIN 5“) 

BRICK 9 #5 EACH WAY 2” STAINLESS STEEL BALL VALVE 20” PVC SHORT PIPE (SCH.40 OR C900) FOR VALVE HOUSING EXTEND PIPE TO TOP OF MAIN

2” PVC PIPE (SCH. 80) THREADED AT BOTH ENDS 

5’X5’X8” MIN. THICKNESS CONCRETE SLAB FOR MANHOLE FOUNDATION WITH 24” Ø OPENING IN CENTER 

2” BRONZE THREADED COUPLING 1” X 2” CORPORATION STOP 

MAKE TAPPING CONNECTION PRIOR TO PIPE INSTALLATION AND RESTORE CERAMIC EPOXY LINING AROUND THE AIR RELEASE VALVE CONNECTION

NOTES
1. METALLIC THREADS TO BE COATED WITH BITUMASTIC COATING.
2. ON ARV’S FOR SEWARGE INSTALL 1” BLOW-OFF VALVE AND QUICK-DISCONECT BACKFLUSHING CONNECTION WITH SHOT-OFF VALVE.
3. INSTALL TAPPING SADDLE FOR THICKNESS CLASS D.I. MAINS 4” & SMALLER, PRESSURE CLASS S.I. MAINS 8” & SMALLER, OR WHEN MAINS IS PVC, HDPE, OR AL PIPE.

AUTOMATIC AIR RELEASE VALVE Scale: 1” : 2’

10/29/2019 4:42:48 PM

A.A.R.V. DETAIL

PS-9A

SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT KEY LARGO AND BIG PINE KEY: MONROE COUNTY - DEPARTMENT OF ENGINEERING
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND ALL LOCAL ORDINANCES.

2. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS MANNER AND SHALL BE COMPLETED AND FULLY OPERATIVE TO THE ACCEPTANCE OF THE OWNER, GENERAL CONTRACTOR AND ENGINEER.

3. CONTRACTOR SHALL GUARANTEE ALL ELECTRICAL WORK INCLUDING PARTS AND LABOR FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF THE FINAL WRITTEN ACCEPTANCE BY THE OWNER AND ENGINEER.

4. CONTRACTOR SHALL PAY FOR ALL FEES, INSPECTIONS, TESTS, FINES, ETC., AS REQUIRED.

5. PRIOR TO COMMENCEMENT OF WORK, VERIFY MEASUREMENTS AT SITE TO SUBMIT DISCREPANCIES AND DIFFERENCES TO ENGINEER FOR CONSIDERATION AND DECISION BEFORE INSTALLATION.

6. VERIFY ALL DIMENSIONS PRIOR TO ANY FABRICATION OR INSTALLATION.

7. OBTAIN FULL INFORMATION REGARDING REGULATIONS AND LIMITATIONS OF SPACE AVAILABLE FOR INSTALLATION FROM THE ENGINEER. PROVIDE READINESS ACCESSIBILITY TO ELECTRICAL EQUIPMENT, INSTALL AND MAKE ALL PART OF SYSTEM REQUIRED TO BE REVIEWED FOR MAINTENANCE AND OPERATIONS.

8. PROVIDE AN ACCURATE LAYOUT, GRADES AND ELEVATIONS, TAKE PROPER PRECAUTIONS TO PROTECT WORK AND EQUIPMENT FROM DAMAGE.

9. THE ELECTRICAL SERVICE INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY. CONTRACTOR SHALL CONTACT THE ELECTRICAL CONTRACTOR IN A FIRST CLASS MANNER AND PROVIDE READY ACCESSIBILITY TO ELECTRICAL EQUIPMENT, INSTALL AND MAKE ALL PART OF SYSTEM REQUIRED TO BE REVIEWED FOR MAINTENANCE AND OPERATIONS.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHERS AS WELL AS PROVIDING TEMPORARY POWER.

11. ALL MATERIAL SHALL BE NEW AND OF AMERICAN MANUFACTURE, RECOMMENDED AND APPROVED FOR THE APPLICATION.

12. ALL EQUIPMENT INSTALLED SHALL BE OF MANUFACTURER'S RECOMMENDED SIZE AND TO MEET ALL RECOMMENDED SPECIFICATIONS.


14. ALL CIRCUITS TO CARRY A FULL GROUND WIRE PER N.E.C. ARTICLE 250.

15. MINIMUM SHORT CIRCUIT RATING (SCR) OF THE ELECTRICAL PANEL SHALL BE 65 KA PER METABO 120/208 VOLT 3 PHASE 4 WIRE CIRCUIT BREAKER. THE ELEC. PANEL ENCLOSURE PROVIDED BY FPL AT TRANSFORMER SECONDARY.

16. PUMP CONTROL PANEL SHALL BE MANUFACTURED AND LABELED PER UL 508.

17. SUPPORTS SHALL MEET ASE 7-93 SECTION 6 END LOADS.

18. CARBOLINE'S BITUMASTIC NO. 50 OR EQUAL.

19. STAINLESS STEEL ENCLOSURE. TOP SHALL NOT BE HIGHER THAN THE TOP OF THE CABINET.

20. AS SUCH, ANY ELECTRICAL EQUIPMENT SHALL BE OF MANUFACTURER'S RECOMMENDED SIZE AND TO MEET ALL RECOMMENDED SPECIFICATIONS.

21. MAIN DISCONNECT SWITCH SIZED TO MATCH WITH IT IS RATED FOR CLASS 1, DIVISION 1, GROUP D (A PRIMARY EXAMPLE ARE THE PUMP ELECTRIC MOTOR, RATED FOR CLASS 1, DIVISION 1, GROUP D). IF ANY CHANGES FROM LOCATIONS SHOWN ON THE DRAWINGS FOLLOW:

22. CONTROL PANEL ENCLOSURES SHALL INCORPORATE A TAMPER/INTRUSION SWITCH LOCATED AT THE FIRE HYDRANT FOR MAINTENANCE AND OPERATIONS.

23. MAXIMUM GROUND RESISTANCE SHALL NOT EXCEED 25 OHMS PER ELECTRODE. SEE STANDARD REQUIREMENTS OF THE POWER COMPANY. DO NOT USE CONDUCTORS IN EXCESS OF SIZE AWG #12.
**NOTE:** CONTRACTOR SHALL COORDINATE WITH CONTROL PANEL MANUFACTURER TO VERIFY IF IT IS REQUIRED TO INSTALL ADDITIONAL VERTICAL STRUCTURAL SUPPORTS IN BETWEEN CONTROL PANEL ENCLOSURES TO COMPLY WITH THE 180 MPH WIND LOAD.

---

**PUMP CONTROL PANEL (NORTH VIEW)**

- (1) 3" CONDUIT TO PUMP MOTOR CONNECTION BOX FOR POWER WIRE
- (2) 4" CONDUITS FOR SERVICE FEEDERS
- (1) 3/4" CONDUIT TO D.T.T.
- (1) 3/4" CONDUIT TO PCP (120/240V)
- (1) 1-1/2" CONDUIT FOR METERING
- (1) 3/4" CONDUIT TO DISTRIBUTION PANEL
- (2) 4" CONDUITS FOR DISTRIBUTION PANEL FEEDERS
- (2) 4" CONDUITS FOR SERVICE FEEDERS
- (1) 3" CONDUIT FOR VFD 2 POWER FEEDER
- (1) 3" CONDUIT FOR VFD 1 POWER FEEDER
- (1) 3/4" CONDUIT TO D.T.T.
NOTE:
1-CONTRACTOR SHALL COORDINATE WITH CONTROL PANEL MANUFACTURER TO VERIFY IF IS REQUIRED TO INSTALL ADDITIONAL VERTICAL STRUCTURAL SUPPORTS BETWEEN ENCLOSURES TO COMPLY WITH THE 180 MPH WIND LOAD.

1. 3" TO PUMP MOTOR CONNECTION BOX FOR POWER WIRES
2. 2" CONDUIT TO CONTROL JUNCTION BOX FOR FLOAT SWITCHES
3. 1" CONDUIT TO CONTROL JUNCTION BOX FOR LEVEL TRANSDUCER
4. 1" SPARE CONDUIT TO CONTROL JUNCTION BOX

1. CONDUIT TO EACH VFD FOR ANALOG SIGNALS
2. CONDUIT TO EACH VFD FOR DISCRETE SIGNALS
3. 1/2" CONDUIT TO EACH VFD FOR MOTOR PROTECTION WIRES
4. 3/4" CONDUIT TO GFI RECEPTACLE FOR SUMP PUMP PROVISION
5. 3/4" CONDUIT FROM D.T.T. FOR 120/240V ELECTRICAL PANEL INSIDE THE PCP
6. 3/4" CONDUIT TO EACH VFD FOR 120V SPACE HEATER
7. 3/4" CONDUIT FROM VFDs 1 & 2 FOR POWER WIRES
8. 3" CONDUIT FROM VFDs 1 & 2 FOR POWER WIRES
9. 3" CONDUIT FROM VFDs 1 & 2 FOR PILOT CABLES (PROTECTION WIRES)
10. 1" CONDUIT TO VFD FOR POWER WIRES
11. 1" CONDUIT TO VFD FOR LEVEL TRANSDUCER
12. 1" SPARE CONDUIT TO VFD
13. 2" CONDUIT FROM DISTRIBUTION PANEL FOR POWER WIRES
14. 1" CONDUIT TO EACH VFD FOR DISCRETE SIGNALS
15. 1" CONDUIT TO EACH VFD FOR ANALOG SIGNALS

STEEL PIPE FOR DIMENSIONS REFER TO STRUCTURAL DWGS
NOTE:
CONTROL SCHEMATIC INDICATES MINIMUM REQUIREMENTS AND IT SHALL BE REVISED AND SUPPLEMENTED BY MANUFACTURER TO PROVIDE ALL NECESSARY FEATURES FOR A COMPLETE WORKING MOTOR SYSTEM.
NOTE: CONTROL SCHEMATIC INDICATES MINIMUM REQUIREMENTS AND IT SHALL BE REVISED AND SUPPLEMENTED BY MANUFACTURER TO PROVIDE ALL NECESSARY FEATURES FOR A COMPLETE WORKING MOTOR SYSTEM.
NOTE:
CONTROL SCHEMATIC INDICATES MINIMUM REQUIREMENTS AND IT SHALL BE REVISED AND SUPPLEMENTED BY MANUFACTURER TO PROVIDE ALL NECESSARY FEATURES FOR A COMPLETE WORKING MOTOR SYSTEM.
SPERI SOLID STORAGE
SUMP
INLET PIPES (TYP.)
ACCESS HATCH (TYP.)
L-BAFFLE
WET WELL
VALVE BOX
WET WELL STRUCTURE
TREATMENT UNIT
OUTFLOW PIPE EL-7.75
S-1A

STRUCTURAL NOTES

1 - GENERAL NOTES
1.1 The structural drawings comply with the applicable requirements of the Florida Building Code, 2017 Edition.

2 - CONCRETE
2.1 Concrete shall develop a minimum compressive strength of 5000 psi at 28 days.
2.2 Design of concrete components shall conform to ACI 318-14.

3 - REINFORCING STEEL
3.1 Reinforcing steel shall conform to ASTM A-615, Grade 60.
3.2 Welded wire fabric shall conform to ASTM A-185.
3.3 Fabrication and detailing shall conform to ACI 315.
3.4 Reinforcement cover shall be as follows unless noted otherwise:
   - For concrete cast against the ground: 2" formed concrete in contact with ground: 2" forced or precast slabs & walls: 2"

4 - DESIGN LOADS
4.1 Loads:
   - Dead load: based on concrete density of 150pcf.
   - Live load: HS20 wheel load per AASHTO specifications.
   - Live load surcharge: 240pcf.
   - Buoyancy: based on water density of 62.4pcf.
   - Wind loads: in accordance with FBC 2017 and ASCE 7-10, 175 mph wind speed, exposure "C".

4.2 Loads:
   - Design of concrete components shall conform to ACI 318-14.
   - Welded wire fabric shall conform to ASTM A-185.

5 - SHOP DRAWINGS
The contractor has the option to construct a cast-in-place or precast structure. Shop drawings shall be submitted to the engineer for approval. The contractor shall indicate on the shop drawings whether the structure is precast or cast-in-place.

6 - COFFERDAM
The contractor shall submit design calculations and plans for the cofferdam and the tremie seal. All calculations and plans shall be signed and sealed by Florida registered professional engineers.

WSP USA, 7650 Corporate Center Drive, Suite 300, Miami, Florida 33126
CERTIFICATE OF AUTHORIZATION 01462
ROGER G. KHOURI, P.E.
P.E. LICENSE NUMBER 47745
MONROE COUNTY - DEPARTMENT OF ENGINEERING
MONROE COUNTY - DEPARTMENT OF ENGINEERING

SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY)
MONROE COUNTY - DEPARTMENT OF ENGINEERING
KEY LARGO PUMP STATION LAYOUT
TREATMENT UNIT-PLAN

SECTION A-A

TOP SLAB REINFORCEMENT DETAIL

SECTION B-B

REINFORCEMENT DETAIL

NOTES:
1. FOR TREATMENT UNIT LOCATION SEE SHEET S-1.
#7 @ 6" "TOP"
#7 @ 6" "BOTT.

#5 @ 6" "TOP"
#5 @ 6" "BOTT.

1. FOR TREATMENT UNIT LOCATION SEE SHEET S-1.

NOTES:

TOP SLAB ACCESS HATCH (TYP.)

TOP SLAB REINFORCEMENT

REINFORCEMENT DETAIL

## SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT
PROJECT (KEY LARGO AND BIG PINE KEY)
MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROGER G. KHOURI, P.E.
P.E. LICENSE NUMBER 47745
WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126
CERTIFICATE OF AUTHORIZATION 01462

VALVE BOX PLANS AND SECTIONS
### FL CDBG Mitigation

#### General Infrastructure Program Project Budget

<table>
<thead>
<tr>
<th>Project Name:</th>
<th>Twin Lakes Road Mitigation Project</th>
<th>Primary Contact Name and Phone Number:</th>
<th>Judith Clarke 305-295-4329</th>
<th>Official Applicant Entity Name:</th>
<th>Monroe County Board of County Commissioners</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>CDBG-MIT Amount</td>
<td>Other non CDBG-MIT Funds</td>
<td>Source of Funds*</td>
<td>Total Funds (CDBG-MIT and Other)</td>
<td>Notes</td>
</tr>
<tr>
<td><strong>DESIGN COSTS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Monroe County has already procured and expended funds for design currently at 90%</td>
</tr>
<tr>
<td>Roadway and drainage design analysis</td>
<td>$160,000</td>
<td></td>
<td>MCBOCC General Revenue Funds (GRF)</td>
<td>$160,000</td>
<td>Monroe County has already procured and expended funds for design currently at 90%</td>
</tr>
<tr>
<td>Construction Plans And Technical Specifications Preparation</td>
<td>$75,000</td>
<td></td>
<td>MCBOCC General Revenue Funds (GRF)</td>
<td>$75,000</td>
<td>Monroe County has already procured and expended funds for design currently at 90%</td>
</tr>
<tr>
<td>Survey</td>
<td>$30,000</td>
<td></td>
<td>MCBOCC General Revenue Funds (GRF)</td>
<td>$30,000</td>
<td>Monroe County has already procured and expended funds for design currently at 90%</td>
</tr>
<tr>
<td>Geotechnical investigation; wetland delineation</td>
<td>$25,000</td>
<td></td>
<td>MCBOCC General Revenue Funds (GRF)</td>
<td>$25,000</td>
<td>Monroe County has already procured and expended funds for design currently at 90%</td>
</tr>
<tr>
<td>Environmental Review</td>
<td>$25,000</td>
<td></td>
<td>MCBOCC General Revenue Funds (GRF)</td>
<td>$25,000</td>
<td>Monroe County has already procured and expended funds for design currently at 90%</td>
</tr>
</tbody>
</table>
| Permitting – SFWMD, NPS and FDEP | $5,750 | MCBOCC
General Revenue Funds (GRF) | $5,750 | Monroe County has already procured and expended funds for permits |
|---------------------------------|--------|---------------------------------|--------|------------------------------------------------------------------|
| Total Design and Permitting at 90% | $320,750 | MCBOCC
General Revenue Funds (GRF) | $320,750 | Monroe County has already procured and expended funds for permits and design currently at approximately 90% |

**CONSTRUCTION COSTS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
<th>Source</th>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobilization</td>
<td>$520,484</td>
<td>NA</td>
<td>$520,484</td>
<td>Based on Engineers Estimate at 90% design</td>
</tr>
<tr>
<td>Maintenance of Traffic</td>
<td>$72,000</td>
<td>NA</td>
<td>$72,000</td>
<td>Based on Engineers Estimate at 90% design</td>
</tr>
<tr>
<td>Roadway Construction</td>
<td>$1,361,271</td>
<td>NA</td>
<td>$1,361,271</td>
<td>Based on Engineers Estimate at 90% design</td>
</tr>
<tr>
<td>Utility Adjustments</td>
<td>$64,750</td>
<td>NA</td>
<td>$64,750</td>
<td>Based on Engineers Estimate at 90% design</td>
</tr>
<tr>
<td>Drainage system construction</td>
<td>$3,778,817</td>
<td>NA</td>
<td>$3,778,817</td>
<td>Based on Engineers Estimate at 90% design</td>
</tr>
<tr>
<td>Construction Contingency</td>
<td>$520,484</td>
<td>NA</td>
<td>$520,484</td>
<td>Based on Engineers Estimate at 90% design</td>
</tr>
<tr>
<td>Construction Engineering and Inspection (CEI)</td>
<td>$520,484</td>
<td>NA</td>
<td>$520,484</td>
<td>Based on Engineers Estimate at 90% design</td>
</tr>
<tr>
<td>Total Estimated Construction at 90% Design</td>
<td>$6,838,290</td>
<td>NA</td>
<td>$6,838,290</td>
<td>Based on Engineers Estimate at 90% design</td>
</tr>
<tr>
<td>Project Management</td>
<td>$341,914</td>
<td>NA</td>
<td>$341,914</td>
<td></td>
</tr>
</tbody>
</table>
All funds identified for use on your project must be fully disclosed and detailed to ensure budget accuracy and no duplication of benefits. Show the sources and amounts of other funds needed to complete the project below, including local funds and grants from other agencies. Any anticipated or committed funds must also be included.

<table>
<thead>
<tr>
<th>Source of Other Funds</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Monroe County Board of County Commissioners – General Revenue Funds for Design Work Already completed</td>
<td>$320,750</td>
</tr>
<tr>
<td>2.</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
</tr>
</tbody>
</table>
As required by the CDBG-MIT GIP Guidelines, attached are the following required documents to demonstrate that Public Participation Requirements have been met:

1. Documentation of newspaper advertisement: *Attachment 1*
   a. **Notice of Public Hearing**: The Notice was sent to the newspaper of general circulation on August 3, 2020 for publication on August 8, 2020. **The Public Hearing was scheduled for August 19, 2020 providing a total of 11 day notice of the public hearing.** *(Attachment 1a)*
   b. **Key West Citizen Newspaper notice**: Printed notice from the Key West Citizen on August 8, 2020. *(Attachment 1b)*

2. Print-out of Monroe County webpage showing public notice: *Attachment 2*

3. Evidence of a public meeting with the Monroe County Board of County Commissioners: *Attachment 3*
   a. **Online Recording of the BOCC Meeting**: The Public Hearing was conducted virtually on August 19, 2020 via ZOOM and recorded. The Board meeting may be viewed on demand at the following link: [https://monroefl.vod.castus.tv/vod/?video=a1956af6-d1c2-4db9-a372-5a4a9d1d99ed](https://monroefl.vod.castus.tv/vod/?video=a1956af6-d1c2-4db9-a372-5a4a9d1d99ed). The CDBG-MIT GIP grant application were heard at 2:11pm. By using the arrow at the bottom of the screen, viewers may fast forward to the appropriate time.
   b. **Board of County Commission Meeting Agenda**: The meeting agenda may be viewed in its entirety at the following weblink: [http://monroecountyfl.iqm2.com/citizens/FileOpen.aspx?Type=14&ID=1139&Inline=True](http://monroecountyfl.iqm2.com/citizens/FileOpen.aspx?Type=14&ID=1139&Inline=True). The Public Hearing for the CDBG-MIT GIP grant application was listed as an items in section “Q” on pages 13 and 14. Excerpts of the Agenda have been included at *Attachment 3a*.
   c. **Board of County Commission Meeting Agenda Packet**: This document contains the full Agenda Items as well as all of the supporting back-up documentation and may be view at the following weblink: [http://monroecountyfl.iqm2.com/citizens/FileOpen.aspx?Type=1&ID=1139&Inline=True](http://monroecountyfl.iqm2.com/citizens/FileOpen.aspx?Type=1&ID=1139&Inline=True)
The Agenda item for this grant application was excerpted and included at Attachment 3b. Attachment 3b.

4. Documentation of a meeting must include sign-in sheets and minutes
   a. Participant List from Virtual Meeting Log In Data (Attachment 4a)
   b. Meeting Minutes (Attachment 4b)
   c. Public Comments from the Public Hearing (Attachment 4c)
   d. Powerpoint Presentation of the Public Hearing 8-19-2020

Figure 1: Screen Shot of the Virtual Public Hearing at BOCC Meeting 8/19/2020
Attachment 1: Documentation of Newspaper Advertisement
Attachment 1a: Notice Sent to the Newspaper on August 3, 3030

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN TO WHOM IT MAY CONCERN, that on Wednesday, August 19, 2020, at 1:30P.M., the Board of County Commissioners of Monroe County, Florida, intends to consider the following:

A VIRTUAL PUBLIC MEETING REGARDING APPROVAL TO APPLY TO THE DEPARTMENT OF ECONOMIC OPPORTUNITY (“DEO”) FOR COMMUNITY DEVELOPMENT BLOCK GRANT-MITIGATION (CDBG-MIT) FUNDING FOR THE BELOW-DESCRIBED PROJECTS:

1. Sands Subdivision Road Elevation and Drainage Improvement Project: $8.5 Million
2. Twin Lakes Road Elevation and Drainage Improvement Project: $7.1 Million
3. Stillwright Point Road Elevation and Drainage Improvement Project: $21 Million
4. Public Works and Fleet Maintenance Facility Relocation to Rockland Key: $13.7 Million
5. Big Coppitt Key Road Elevation and Drainage Improvement Project: $8.5 Million

In compliance with program requirements, the applications has been posted for public comment at the following website: http://www.monroecounty-fl.gov/1200/CDBG-Mitigation-Programs for a 10-day minimum public comment period.

The State of Florida, Department of Economic Opportunity has allocated $475 Million to the General Infrastructure Program (GIP), funded through the Community Development Block Grant-Mitigation (CDBG-MIT) Program. The GIP will allow units of general local government (UGLG) to enhance community lifelines by mitigating community infrastructure.

Pursuant to Executive Order No. 20-69, Monroe County Emergency Directive 20-06, and the Center for Disease Control (“CDC”) social-distancing guidelines established to contain the spread of the COVID-19 virus, the August 19, 2020, meeting of the Board of County Commissioners of Monroe County, Florida, will be conducted via Communication Media Technology (“CMT”), using a Zoom Webinar platform. Executive Order 20-179 extends EO 20-69. If the Governor issues a subsequent order changing directives for Local Government Public Meetings, the County will provide updates on the County Website at MonroeCounty-FL.Gov. Public Hearings will commence at 1:30P.M. Below are the various options available to the public to view the live meeting and/or to make public comments on certain agenda items.
The public is strongly encouraged to watch the meeting on Monroe County’s MCTV Comcast Channel 76, or listen to audio-only from their phones by dialing (646) 518-9805 and, when prompted, enter the Webinar ID number 982 2806 0317 followed by the # key.

The public can watch the meeting online by visiting the County’s meeting portal at: [http://monroecountyfl.igmZ.com/Citizens/Default.aspx](http://monroecountyfl.igmZ.com/Citizens/Default.aspx) to view with live closed-captioning on an integrated page that includes the Agenda/Agenda backup.

If a person wishes to comment on a particular item on the agenda, when the Mayor calls for speakers on the item on which you wish to comment:

a) **If phoning in:** Dial *9 to “raise your hand” to be recognized by the Zoom webinar monitor;
b) **If watching online:** open the Zoom Webinar link below:

   [https://mcbocc.zoom.us/j/98228060317](https://mcbocc.zoom.us/j/98228060317)

When prompted, enter your email address and name to join the webinar and be recognized by the meeting monitor. The live Zoom Webinar link also appears in the published Agenda and Agenda Packet.

A person may submit written or other physical evidence on a particular agenda item for consideration at the BOCC meeting to: Lindsey Ballard, via email, to: ballard-lindsey@monroecounty-fl.gov, or by mail to: The County Administrator’s Office, 1100 Simonton Street, Key West, FL 33040. The documents must be received by 9:00A.M. on Monday, August 16, 2020, and must include the submitter’s name, address, phone number, email address, and the agenda item number to which the documents refer.

For additional assistance, please call (305) 292-4441, or email your request to your request or inquiry to:

   Lindsey Ballard ([ballard-lindsey@monroecounty-fl.gov](mailto:ballard-lindsey@monroecounty-fl.gov)), or
   Liz Yongue ([yonque-liz@monroecounty-fl.gov](mailto:yonque-liz@monroecounty-fl.gov))

ADA ASSISTANCE: If you are a person with a disability who needs special accommodation in order to participate in this meeting, please contact the County Administrator’s Office, by phoning (305) 292-4441, between the hours of 8:30 a.m.---5:00
p.m., no later than five (5) calendar days prior to the scheduled meeting; if you are hearing-or voice-impaired, call “711”.

Pursuant to Section 286.0105, Florida Statutes, notice is given that if a person decides to appeal any decision made by the Board with respect to any matter considered at such hearings or meetings, such person will need a record of the proceedings, and that, for such purpose, such person may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Dated at Key West, Monroe County, Florida, this 5th day of August, 2020.

(SEAL)

KEVIN MADOK, Clerk of the Circuit Court and ex officio Clerk of the Board of County Commissioners of Monroe County.

Florida Publication Dates:
Citizen: Sat., 08/08/2020
Keys Weekly: Thur., 08/13/2020
News Barometer: Fri., 08/14/2020
Attachment 1B: Publication of Advertisement in the Key West Citizen on August 8, 2020; the News Barometer August 14, 2020; and the Keys Weekly August 13, 2020.
59 Public Hearings

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN TO WHOM IT MAY CONCERN, that on Wednesday, August 19, 2020, at 1:30PM, the Board of County Commissioners of Monroe County, Florida, intends to consider the following:

A VIRTUAL PUBLIC MEETING REGARDING APPROVAL TO APPLY TO THE DEPARTMENT OF ECONOMIC OPPORTUNITY ("DEO") FOR COMMUNITY DEVELOPMENT BLOCK GRANT-MITIGATION (CDBG-MIT) FUNDING FOR THE BELOW-DESCRIBED PROJECTS:

1. Sands Subdivision Road Elevation and Drainage Improvement Project: $8.5 Million
2. Twin Lakes Road Elevation and Drainage Improvement Project: $7.1 Million
3. Stillwright Point Road Elevation and Drainage Improvement Project: $21 Million
4. Public Works and Fleet Maintenance Facility Relocation to Rockland Key: $13.7 Million
5. Big Coppitt Key Road Elevation and Drainage Improvement Project: $8.5 Million

In compliance with program requirements, the applications have been posted for public comment at the following website: http://www.monroecounty.fl.gov/1200/CDBG-Mitigation-Programs for a 10-day minimum public comment period.

The State of Florida, Department of Economic Opportunity has allocated $475 Million to the General Infrastructure Program (GIP), funded through the Community Development Block Grant-Mitigation (CDBG-MIT) Program. The GIP will allow units of general local government (UGLG) to enhance community lifelines by mitigating community infrastructure.

Pursuant to Executive Order No. 20-69, Monroe County Emergency Directive 20-06, and the Center for Disease Control ("CDC") social-distancing guidelines established to contain the spread of the COVID-19 virus, the August 19, 2020, meeting of the Board of County Commissioners of Monroe County, Florida, will be conducted via Communication Media Technology ("CMT"), using a Zoom Webinar platform. Executive Order 20-179 extends EO 20-69. If the Governor issues a subsequent order changing directives for Local Government Public Meetings, the County will provide updates on the County Website at MonroeCounty-FL.Gov. Public Hearings will commence at 1:30PM. Below are the various options available to the public to view the live meeting and to make public comments on certain agenda items.

The public is strongly encouraged to watch the meeting on Monroe County’s MCTV Comcast Channel 76, or listen to audio-only from their phones by dialing (646) 518-9805 and, when prompted, enter the Webinar ID number 982 2806 0317 followed by the # key.

The public can watch the meeting online by visiting the County’s meeting portal at: http://monroecountyfl.flyrmz.com/Citizens/Default.aspx to view with live closed-captioning on an integrated page that includes the Agenda/Agenda backup.

If a person wishes to comment on a particular item on the agenda, when the Mayor calls for speakers on the item on which you wish to comment:

a) If phoning in: Dial "9" to "raise your hand" to be recognized by the Zoom webinar monitor;

b) If watching online: open the Zoom webinar link below: https://mcbcc.zoom.us/j/98238060317

When prompted, enter your email address and name to join the webinar and be recognized by the meeting monitor. The live Zoom webinar link also appears in the published Agenda and Agenda Packet.

A person may submit written or other public evidence on a particular agenda item for consideration at the BOCC meeting to: Lindsey Ballard, via email to: bballard@monroecounty-fl.gov, or by mail to: The County Administrator's Office, 1100 Simonton Street, Key West, FL 33040.

The documents must be received by 9:00A.M. on Monday, August 17, 2020, and must include the submitter’s name, address, phone number, email address, and the agenda item number to which the documents refer.

For additional assistance, please call (305) 292-4441, or email your request to your request or inquiry to: Lindsey Ballard (bballard@monroecounty-fl.gov), or Liz Yongue (liz@monroecounty-fl.gov)

ADA ASSISTANCE: If you are a person with a disability who needs special accommodation in order to participate in this meeting, please contact the County Administrator's Office, by phoning (305) 292-4441, between the hours of 8:30 a.m.—5:00 p.m., no later than five (5) calendar days prior to the scheduled meeting; if you are hearing- or voice-impaired, call “711”.

Pursuant to Section 286.0105, Florida Statutes, notice is given that if a person decides to appeal any decision made by the Board with respect to any matter considered at such hearings or meetings, such person will need a record of the proceedings, and that, for such purpose, such person may need to ensure that a verbatim record of the proceed-
STATE OF FLORIDA
COUNTY OF MONROE

Before the undersigned authority personally appeared Steve Estes, who on oath says that he is the Publisher for the News-Barometer, a weekly newspaper published each Friday in Big Pine Key, Monroe County, Florida; that the attached copy of advertisement, being a legal notice in the matter of:

LEGAL NOTICE: PUBLIC HEARING CDBG-MIT DRAINAGE PROJECTS: MONROE COUNTY PLANNING & ENVIRONMENTAL RESOURCES, 102050 OVERSEAS HIGHWAY, Key Largo, FL 33037

was published in said newspaper in the issue(s) of:
AUGUST 14, 2020

Affiant further says that the News-Barometer is a weekly newspaper published in Big Pine Key, in said Monroe County, Florida and that said newspaper has heretofore been continuously published in said Monroe County, Florida each week and has been entered as first-class mail matter at the post office in Big Pine Key, in said Monroe County, Florida, for a period of 1 year next preceeding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in said newspaper.

[Signature of Affiant]

Sworn and subscribed before me this 17TH day of AUGUST, 2020

[Signature of Notary] [Printed Name of Notary]

Expires 10/14/2020

Personally Known [X] Produced Identification

Type of Identification Produced
NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN TO WHOM IT MAY CONCERN, that on Wednesday, August 19, 2020, at 1:00 P.M., the Board of County Commissioners of Monroe County, Florida, intends to consider the following:

A VIRTUAL PUBLIC MEETING REGARDING APPROVAL TO APPLY TO THE DEPARTMENT OF ECONOMIC OPPORTUNITY (“DEO”) FOR COMMUNITY DEVELOPMENT BLOCK GRANT-MITIGATION (CBG-MIT) FUNDING FOR THE BELOW-DESERVED PROJECTS:

1. Sand Subdivision Road Elevation and Drainage Improvement Project: $8.1 Million
2. Twin Lakes Road Elevation and Drainage Improvement Project: $7.1 Million
3. Stillwater Point Road Elevation and Drainage Improvement Project: $21 Million
4. Public Works and Zirer Maintenance Facility Relocation to Rockland Key: $13.7 Million
5. Big Coppitt Key Road Elevation and Drainage Improvement Project: $8.5 Million

In compliance with program requirements, the application has been posted for public comment at the following website: http://www.monroecounty-fl.gov/1304/Community-Development-Block-Grants for a 10-day minimum public comment period.

The State of Florida, Department of Economic Opportunity has allotted $472 Million to the General Infrastructure Program (GIP), funded through the Community Development Block Grant-Mitigations (CBG-MIT) Program. The GIP will allow units of general local government (ULGLG) to establish public and community benefit through public improvements or projects.

Pursuant to Executive Order No. 79-86, Monroe County Emergency Directive 25-86, and the Center for Disease Control (“CDC”) social-distancing guidelines established to contain the spread of the COVID-19 virus, the August 19, 2020, meeting of the Board of County Commissioners of Monroe County, Florida, will be conducted via Communication Media Technology (CMT), using a Zoom Webinar platform. Executive Order 25-19/20 enumerates COVID-19 if the Governor issues a subsequent order classifying direction for Local Government Public Meetings, the Monroe County Website at MonroeCountyFL.gov. Public Hearings will commence at 1:00 P.M. Below are various options available to the public to view the live meeting and/or to make public comments on certain agenda items.

The public is strongly encouraged to watch the meeting on Monroe County’s MCTV Comcast Channel 56, or listen audio-only from their phones by dialing (468) 518-9803 and, when prompted, enter the Webinar ID-number 903 286 6177 followed by the # key.

The public can watch the meeting online by visiting the County’s meeting portal at http://monroecounty-fl.gov/Citizens/Default.aspx to view with live closed-captioning on an integrated application that includes the Agenda/Agenda backup.

If a person wishes to comment on a particular item on the agenda, when the Mayor calls for speakers on the item, the person must state the item they wish to comment on:

a) If in person: Dial *9 to “mute your hand” to be recognized by the Zoom webinar monitor.
b) If watching online: open the Zoom Webinar link below: https://meetingszoom.com/j/9032866177

When prompted, enter your name and address to join the webinar and be recognized by the meeting monitor. The Live Zoom Webinar link also appears in the published Agenda and Agenda Packet.

A person may submit written or other physical evidence on a particular agenda item for consideration at the BOCC meeting to: Lindsey Ballard, via email, to: l.ballard@monroecounty-fl.gov, or by mail to: The County Administrator’s Office, 1108 Streetton Street, Key West, FL 33040. The documents must be received by 9:00 A.M. on Monday, August 17, 2020, and must include the submitter’s name, address, phone number, email address, and the agenda item number to which the documents refer.

For additional assistance, please call (305) 295-4441, or email your request or inquiry to: l.ballard@monroecounty-fl.gov or vsonge@monroecounty-fl.gov

ADA ASSISTANCE: If you are a person with a disability who needs special accommodation in order to participate in this meeting, please contact the County Administrator’s Office, by phoning (305) 295-4441 between the hours of 8:00 a.m. - 5:00 p.m., no later than five (5) calendar days prior to the scheduled meeting; if you are hearing- or voice-impaired, call “711”.

Pursuant to Section 386.0105, Florida Statutes, notice is given that if a person decides to appeal any decision made by the Board with respect to any material issue considered in such hearing or meeting, such person will need a record of the proceedings, and that, for such purpose, such person may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Dated at Key West, Monroe County, Florida, this 5th day of August, 2020.

(Seal)

KEVIN MADOK, Clerk of the Circuit Court and ex officio Clerk of the Board of County Commissioners of Monroe County, Florida
Published Weekly
Marathon, Monroe County, Florida

PROOF OF PUBLICATION

STATE OF FLORIDA
COUNTY OF MONROE

Before the undersigned authority personally appeared JASON KOLER who on oath, says that he is PUBLISHER of the WEEKLY NEWSPAPERS, a weekly newspaper published in Marathon, Monroe County, Florida: that the attached copy of advertisement was published in said newspaper in the issues of: (date(s) of publication)

August 13, 2020

Affiant further says that the said WEEKLY NEWSPAPERS is a newspaper published at Marathon, in said Monroe County, Florida, and that the said newspaper has herefore been continuously published In said Monroe County, Florida, once each week on the Day and has been qualified as a second class mail matter at the post office in Marathon, Monroe County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement. The affiant further says that he has neither paid nor promised any person, firm, or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper(s) and that The Weekly Newspapers is in full compliance with Chapter 50 of the Florida State Statutes on Legal and Official Advertisements.

Sworn to and subscribed before me this 13 day of August, 2020.

(SEAL)

TERRY PATTERSON
Notary Public
County of Monroe
State of Florida

The public can watch the meeting online by visiting the County's meeting portal at: http://monroecountyfl.gov/Agenda/Default.aspx to view the live closed-captioning on an integrated page that includes the Agenda/Agenda backup.

If a person wishes to comment on a particular item on the agenda, when the Mayor calls for speakers on the item on which you wish to comment, you should call the following: (Dial 9 to “raise your hand” to be recognized by the Zoom webinar monitor; if watching online: open the Zoom webinar link below: https://zoom.us/j/9822806307
When prompted, enter your email address and name to join the webinar and be recognized by the meeting monitor. The live Zoom Webinar link also appears in the published Agenda and Agenda Packet.

A person may submit written or other physical evidence on a particular agenda item for consideration at the BCC meeting to: Lindsey Ballard, via email to: lballard@monroecounty-fl.gov, or by mail to: The County Administrator’s Office, 1100 Serramonte Street, Key West, FL 33040. The documents must be received by 5:00 p.m. on Monday, August 16, 2020, and must include the submitter’s name, address, phone number, email address, and the agenda item number to which the documents refer.

For additional assistance, please call (305) 292-4441, or email your request to your request or inquiry to: Lindsey Ballard (lballard@monroecounty-fl.gov), or Liz Yonke (lizyonke@monroecounty-fl.gov). ADA ASSISTANCE: If you are a person with a disability who needs special accommodation in order to participate in this meeting, please contact the County Administrator’s Office, by phoning (305) 292-4441, between the hours of 8:30 a.m. – 5:00 p.m., no later than five (5) calendar days prior to the scheduled meeting. If you are hearing or voice-impaired, call 711.

Pursuant to Section 286.0105, Florida Statutes, notice is given that if a person decides to appeal any decision made by the Board with respect to any matter considered at such hearings or meetings, such person will need a record of the proceedings and that, for such purpose, such person may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Dated at Key West, Monroe County, Florida, this 5th day of August, 2020.

KEVIN MADDOX, Clerk of the Circuit Court and ex officio Clerk of the Board of County Commissioners of Monroe County, Florida

Publish: August 13, 2020
The Weekly Newspapers
Attachment 2: Print-out of Monroe County webpage showing public notice posted on August 6, 2020

http://www.monroecounty-fl.gov/1200/CDBG-Mitigation-Programs

CDBG-MITIGATION PROGRAMS

The U.S. Department of Housing and Urban Development (HUD) announced that $533 million in first-of-its-kind funding would be available to the state of Florida for disaster mitigation projects in areas impacted by presidentially declared disasters in 2010 and 2017. These funds are available through HUD’s newly created Community Development Block Grant - Mitigation (CDBG-MIT) and will be used to fund disaster mitigation programs to better protect Florida from future disasters.

DEO has launched all of the CDBG-Mitigation Programs

1. Critical Facility Hardening Program (CFHP) ($75 Million) launched on April 15 with a submission deadline of June 30, 2020.
   Staff requested approval from the Board of County Commissioners at their June 17, 2020 meeting to submit two grant applications for the CFHP. The following application were submitted to the Florida Department Economic Opportunity on June 23, 2020.
   - Hardening of the Tavernier Fire Station #22
   - Hardening of the Monroe County Sheriff’s Office Detention Center on Stock Island.

   General Planning Support Grant Application submitted to DEO on July 28, 2020. Below is the submitted grant application.
   (PDF) We are now awaiting notification from the Florida Department of Economic Opportunity.
   Florida Keys Regional Resilience Plan and Neighborhood Livability Outreach and Planning

3. General Infrastructure Program- Round 1 Funding (CDBG-MIT funding $475 Million) launched on June 15, 2020 with a deadline of September 14, 2020. Monroe County intends to submit the following grant applications to the Florida Department of Economic Opportunity upon approval of the Monroe County Board of County Commissioners. In compliance with the program guidelines, Monroe County will host a public meeting on August 19, 2020 at 1:30 pm. The notice of the public hearing will be posted in a Citizen and the Keys Weekly at least 5 days prior to the virtual public meeting and is located here. Public comments on these proposed grant applications may be submitted via email to the contact listed below from August 3, 2020 through September 3, 2020.
   - Sands Subdivision Road Elevation and Drainage Improvement Project, $85 Million
   - Twin Lakes Road Elevation and Drainage Improvement Project, $71 Million
   - Stillwater Point Road Elevation and Drainage Improvement Project, $21 Million
   - Public Works and Fleet Maintenance Facility Relocation to Rockland Key, $13.7 Million
   - Big Coppitt Key Road Elevation and Drainage Improvement Project, $8.5 Million

Public Comments

Public comments on the proposed applications will be accepted as required by the US Department of Housing and Urban Development. To submit public comment, send an email to Washington-Helgeng@monroecounty-fl.gov

Additional Information

For additional information on the Florida Department of Economic Opportunity Rebuild Florida mitigation grant programs go to http://www.florediges.org/rebuildflorida/mitigation
Attachment 3: Evidence of a public meeting with the Monroe County Board of County Commissioners
Attachment 3a: Excerpts from the Monroe County Board of County Commissioners August 19, 2020 Board Agenda.

Public Hearings are listed in Section Q. The full Agenda may be viewed online at http://monroecountyfl.iqm2.com/citizens/FileOpen.aspx?Type=14&ID=1139&Inline=True.

REVISED AGENDA
MONROE COUNTY BOARD OF COUNTY COMMISSIONERS

PUBLIC NOTICE
August 19, 2020 Regular Meeting
Zoom webinar: http://www.monroecounty-fl.gov/BoccMeetingAugust19

To report problems with the broadcast or Zoom webinar, please call (305) 872-8831.

Pursuant to Executive Order No. 20-69 (extended by Executive Orders No. 20-112, 20-139, 20-150 and 20-179); Monroe County Emergency Directives 20-66 and 20-10; and the Center for Disease Control (“CDC”) social distancing guidelines established to contain the spread of the COVID-19 virus: the August 19, 2020 Meeting of the Board of County Commissioners of Monroe County, FL will be conducted via Communication Media Technology (“CMT”) using a Zoom Webinar platform. The meeting will commence at 9:00 A.M. Below are the various options available to the public to view the live meeting and/or to make public comments on certain agenda items during the public portion of the meeting.

The public is strongly encouraged to watch the meeting on Monroe County’s MCTV on Comcast Channel 76, or AT&T UVerse Channel 99. Also, if a citizen has a Roku device, they can search for and add “MCTV” to their personal lineup. Monroe County’s “MCTV” is also provided via the Monroe County mobile apps for iOS and Android and through our streaming web portal @ https://monroecounty-fl.xod.castus.tv/vod?live-ch=ch1&nav=live. Citizens can listen to audio only from their phone by dialing (669) 518-9805 or (669) 900-6833 and, when prompted, enter the Webinar ID# 982 2806 0217 followed by the # key.

The public can watch the Zoom webinar on the County’s web portal, as done prior to COVID-19, by visiting the County’s meeting portal @ http://monroecountyfl.iqm2.com/Citizens/Default.aspx and selecting the “Watch Live” banner. This option allows you to view the live meeting with live closed captioning on an integrated page that includes the agenda and agenda backup.

The public can comment on a particular item(s) on the public portion of the agenda either by phoning in or using the live Zoom webinar link (see instructions for each option below).

a) To comment on an item by phone: Dial (669) 518-9805 or (669) 900-6833 and, when prompted, enter the Webinar ID# 982 2806 0317 followed by the # key, then *# to “Raise your hand” to be recognized by the Zoom webinar host.

b) To comment on an item using the live Zoom webinar link: Open this live Zoom webinar link @ http://www.monroecounty-fl.gov/BoccMeetingAugust19 (that also appears in both the published Agenda and Agenda Packet). When prompted, enter your email address and name to join the webinar. When the Mayor calls for speakers on the item(s) you wish to comment on, or when the Board is nearing your item(s) as the meeting progresses, select the “Raised Hand” feature that appears at the bottom of the Zoom webinar screen to be recognized by the Zoom webinar host.

The Zoom webinar host will request the item # you wish to speak on and enable your participation when the Mayor calls for public speakers on your item. To report problems with the broadcast or participation in the Zoom webinar, please call (305) 872-8831.

A person may submit written comments or other physical evidence on a particular agenda item for consideration at the BOC meeting via email to Liz Yongue @ l Yongue-liz@monroecounty-fl.gov, County Administrator’s Office, no later than 5:00 P.M. on Monday, August 17, 2020. The email must include the submitter’s name, address, phone number and email address and the agenda item number the documents/comments are regarding. For additional assistance, please call (305) 292-4441 or email your inquiry to: Yongue-liz@monroecounty-fl.gov.
1:30 P.M. Q. PUBLIC HEARINGS

1. COUNTY ATTORNEY: A Public Hearing to consider amendments to Ordinance No. 024-2020 (amended mask ordinance adopted 7/21/2020) and Ordinance No. 025-2020 (closures/alcohol ban during lobster mini season as adopted 7/27/20) in response to COVID-19 pandemic.

2. ENGINEERING AND ROADS: A Public Hearing to consider adoption of an Ordinance revising Section 19-4 of the Monroe County Code to increase the toll rates for Card Sound Road Toll.

3. LOCAL DISASTER RECOVERY: A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Sands Subdivision Road Elevation and Storm Water Drainage Improvement Project, which will elevate and improve drainage on Father Tony Way in Big Pine Key, in the amount of $8.5 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the Federal Housing and Urban Development Agency (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.

4. LOCAL DISASTER RECOVERY: A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Twin Lakes Subdivision Road Elevation and Drainage Improvement Project, which will elevate and improve drainage in the Twin Lakes Subdivision, in the amount of $7.1 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.

5. LOCAL DISASTER RECOVERY: A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Stillwright Point Subdivision Road Elevation and Stormwater Drainage Improvement Project, which will elevate and improve drainage within the Stillwright Point Subdivision, in the amount of $21 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.
1:30 P.M.  Q. PUBLIC HEARINGS (CONTINUED)

6. LOCAL DISASTER RECOVERY: A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Big Coppitt Key Road Elevation and Stormwater Drainage Improvement Project, which will elevate and improve drainage within Big Coppitt Key, in the amount of $8.5 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the US Department of Housing and Urban Development (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.

7. LOCAL DISASTER RECOVERY: A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Public Works Facility Maintenance Building Relocation, which will relocate the building from the Key West International Airport to Rockland Key, in the amount of $13.7 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.

R. COMMISSIONER'S COMMENTS

S. ADD ONS

1. BUDGET AND FINANCE: Approval to advertise a Budget Amendment for the Law Enforcement Trust Fund, Fund 162. The budget amendment is needed to accommodate the new directive issued by the Department of Justice and the Department of Treasury to transition the Sheriff's equitable sharing accounts to the county finance offices.

2. COUNTY ATTORNEY: Approval of a pre-litigation settlement agreement with K2M Design, Inc. to resolve issues arising from design of the Customs Terminal Security Enhancements at Key West International Airport, through which K2M will pay $150,000 to resolve all claims.
Attachment 3b: Agenda Item for Grant Application

County of Monroe
The Florida Keys

County Commission Meeting
August 19, 2020
Agenda Item Number: Q.4
Agenda Item Summary #7150

BULK ITEM: No DEPARTMENT: Local Disaster Recovery
TIME APPROXIMATE: 1:30 P.M. PUBLIC HEARING

STAFF CONTACT: Judith Clarke (305) 295-4329

AGENDA ITEM WORDING: A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Twin Lakes Subdivision Road Elevation and Drainage Improvement Project, which will elevate and improve drainage in the Twin Lakes Subdivision, in the amount of $7.1 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.

ITEM BACKGROUND:
Hurricane Irma, a Category 4 hurricane, made landfall in the Florida Keys on September 10, 2017, causing the destruction and significant flooding of low-lying areas throughout the Florida Keys. Congress appropriated $633 Million for the State of Florida in the aftermath of Hurricane Irma for the Community Development Block Grant - Mitigation (CDBG-MIT) Program. The Florida Department of Economic Opportunity developed an Action Plan and allocated $475 Million for the General Infrastructure Program. In Round 1 Funding, $150 Million will be available (Round 2 - $175 Million in 2021, Round 3 - $150 Million in 2022). In order to build more resilient neighborhoods countywide which are in the highest risk, staff request approval to submit a CDBG-MIT grant application to elevate portions of the roadway and improve stormwater drainage within the Twin Lakes Subdivision of Key Largo in the amount of $7.1 Million in CDBG-MIT funds.

DEO Program Parameters follow:
2.3 Rebuild Florida General Infrastructure Program (GIP) Overview

The GIP program is designed to provide funding to units of general local government (UCLG), state agencies, non-profits and non-governmental organizations to implement innovative, collaborative, multi-jurisdictional and/or large-scale mitigation activities that reduce previously-identified hazard risks for local communities to better withstand emergency-related challenges. These regional investments include, but are not limited to, upgrading of water, sewer, solid waste, communications, energy, transportation, health and medical and other public infrastructure projects.

DEO has allocated $475,000,000 in CDBG-MIT funding for the GIP program. DEO will use a subrecipient model to deliver funding for approved projects. Funding will be awarded to selected subrecipients through a request for applications (RFA) process in accordance with established application guidelines and evaluation criteria. This is not a direct grant program.

An overview of the GIP program is illustrated in Table 2.
Table 2: General Infrastructure Program Summary

<table>
<thead>
<tr>
<th>Rebuild Florida General Infrastructure Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding Dollars</td>
</tr>
<tr>
<td>Funding Percentage</td>
</tr>
<tr>
<td>Application Type</td>
</tr>
<tr>
<td>Applicant Eligibility</td>
</tr>
<tr>
<td>Geographic Eligibility</td>
</tr>
<tr>
<td>National Objectives Fulfilled</td>
</tr>
<tr>
<td>Hazard Risks Addressed</td>
</tr>
</tbody>
</table>

- Maximum amount per applicant: $475,000,000
- Minimum amount per applicant: $500,000

The GIP program will be implemented in three rounds. Round I will provide an initial allocation of resources to units of local government (UGLG) and entities that apply in partnership with their UGLG. $150 million will be available in Round I. The state anticipates that regional coalitions and local governments or local public entities will act as partners in the implementation of this program.

Round II will commence in 2021. $175 million and any remaining unobligated funding from Round I will be made available in Round II. Round III will commence in 2022. All remaining funding, including unobligated funds, will be made available to fund projects submitted for the $150 million allocation for Round III.

This meeting serves as a public meeting to hear public comment. The County has met the CDBG-MIT and DEO requirements for notice and documentation. As per the grant requirements, public notice of this virtual public meeting and public notice of the 10-day public comment period was published in the Citizen, as the newspaper of general circulation in Monroe County and also posted to the County’s website.
No match funding is required.

Administrative funding to manage the grant is: $341,914.

Contact Person: Judith Clarke may be reached via email at Clarke-Judith@monroecounty-fl.gov. Monroe County’s application for CDBG-DR Mitigation funds can be found at monroecounty-fl.gov/irmarecovery website.

PREVIOUS RELEVANT BOCC ACTION: N/A

CONTRACT/AGREEMENT CHANGES:
NA

STAFF RECOMMENDATION: APPROVE

DOCUMENTATION:
gip-guidelines_6.12.20
DRAFT CDBG-MIT Twin Lake Application All 07-20-20

FINANCIAL IMPACT:

Effective Date: PENDING
Expiration Date:

Total Dollar Value of Contract: NA
Total Cost to County: Monroe County BOCC has previously dedicated $320,750 to design the road elevation and drainage improvement project for Twin Lakes. The design is currently at 90% completion and will be shovel ready for construction if grant funds are received.
Current Year Portion: NA
Budgeted: No
Source of Funds: NA
CPI:
Indirect Costs:
Estimated Ongoing Costs Not Included in above dollar amounts:

Revenue Producing: NA If yes, amount:
Grant: $ 7.1 Million which includes a 5% administrative cost
County Match: $ 0
Insurance Required: 0

Additional Details:
<table>
<thead>
<tr>
<th>REVIEWED BY</th>
<th>Status</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Helene Wetherington</td>
<td>Completed</td>
<td>07/27/2020 8:53 AM</td>
</tr>
<tr>
<td>Assistant County Administrator Christine Hurley</td>
<td>Completed</td>
<td>07/28/2020 4:59 PM</td>
</tr>
<tr>
<td>Judith Clarke</td>
<td>Completed</td>
<td>07/29/2020 2:38 PM</td>
</tr>
<tr>
<td>Rhonda Haag</td>
<td>Completed</td>
<td>07/29/2020 4:00 PM</td>
</tr>
<tr>
<td>Christine Limbert</td>
<td>Completed</td>
<td>07/31/2020 4:29 PM</td>
</tr>
<tr>
<td>Purchasing</td>
<td>Completed</td>
<td>07/31/2020 4:34 PM</td>
</tr>
<tr>
<td>Budget and Finance</td>
<td>Completed</td>
<td>08/03/2020 8:25 AM</td>
</tr>
<tr>
<td>Maria Slavik</td>
<td>Completed</td>
<td>08/03/2020 8:26 AM</td>
</tr>
<tr>
<td>Kathy Peters</td>
<td>Completed</td>
<td>08/03/2020 9:20 AM</td>
</tr>
<tr>
<td>Board of County Commissioners</td>
<td>Pending</td>
<td>08/19/2020 9:00 AM</td>
</tr>
</tbody>
</table>
4. Documentation of a meeting must include sign-in sheets and minutes
## Attachment 4a: List of Participants from Virtual Meeting Log In Data

<table>
<thead>
<tr>
<th>Participant</th>
<th>Location</th>
<th>Time In</th>
<th>Time out</th>
</tr>
</thead>
<tbody>
<tr>
<td>12158735054</td>
<td>(US)</td>
<td>1:37 PM</td>
<td>01:49 PM (12158735054 left the meeting.)</td>
</tr>
<tr>
<td>12158735054</td>
<td>(US)</td>
<td>1:49 PM</td>
<td>01:51 PM (12158735054 left the meeting.)</td>
</tr>
<tr>
<td>12158735054</td>
<td>(US)</td>
<td>1:56 PM</td>
<td>02:02 PM (12158735054 left the meeting.)</td>
</tr>
<tr>
<td>13052944641</td>
<td>(US)</td>
<td>9:24 AM</td>
<td>09:57 AM (13052944641 left the meeting.)</td>
</tr>
<tr>
<td>13052967171</td>
<td>(US)</td>
<td>11:41 AM</td>
<td>11:49 AM (13052967171 left the meeting.)</td>
</tr>
<tr>
<td>13053044180</td>
<td>(US)</td>
<td>10:46 AM</td>
<td>10:46 AM (13053044180 left the meeting.)</td>
</tr>
<tr>
<td>13053044180</td>
<td>(US)</td>
<td>11:15 AM</td>
<td>11:20 AM (13053044180 left the meeting.)</td>
</tr>
<tr>
<td>13053228913</td>
<td>(US)</td>
<td>9:40 AM</td>
<td>10:31 AM (13053228913 left the meeting.)</td>
</tr>
<tr>
<td>13053408526</td>
<td>(US)</td>
<td>12:02 PM</td>
<td>12:03 PM (13053408526 left the meeting.)</td>
</tr>
<tr>
<td>13053408526</td>
<td>(US)</td>
<td>1:32 PM</td>
<td>02:12 PM (13053408526 left the meeting.)</td>
</tr>
<tr>
<td>1305395808</td>
<td>(US)</td>
<td>1:42 PM</td>
<td>02:43 PM (1305395808 left the meeting.)</td>
</tr>
<tr>
<td>13053951710</td>
<td>(US)</td>
<td>1:53 PM</td>
<td>01:54 PM (13053951710 left the meeting.)</td>
</tr>
<tr>
<td>13054693660</td>
<td>(US)</td>
<td>10:32 AM</td>
<td>10:51 AM (13054693660 left the meeting.)</td>
</tr>
<tr>
<td>13055092177</td>
<td>(US)</td>
<td>8:57 AM</td>
<td>08:58 AM (13055092177 left the meeting.)</td>
</tr>
<tr>
<td>13055092177</td>
<td>(US)</td>
<td>9:00 AM</td>
<td>12:06 PM (13055092177 left the meeting.)</td>
</tr>
<tr>
<td>13055092177</td>
<td>(US)</td>
<td>1:31 PM</td>
<td>01:42 PM (13055092177 left the meeting.)</td>
</tr>
<tr>
<td>13057319972</td>
<td>(US)</td>
<td>1:34 PM</td>
<td>02:15 PM (13057319972 left the meeting.)</td>
</tr>
<tr>
<td>19549133300</td>
<td>(US)</td>
<td>1:55 PM</td>
<td>02:43 PM (19549133300 left the meeting.)</td>
</tr>
</tbody>
</table>

<p>| Alan MacEachern         | Key West (US)     | 8:45 AM  | 02:43 PM (Alan MacEachern Host closed meeting) |
| Alexsa Leto             | Key West (US)     | 8:50 AM  | 10:29 AM (Alexsa Leto disconnect from the meeting) |
| Alexsa Leto             | Key West (US)     | 10:29 AM | 12:39 PM (Alexsa Leto disconnect from the meeting) |
| Alexsa Leto             | Key West (US)     | 12:39 PM | 02:43 PM (Alexsa Leto Host closed meeting) |
| Alicia Betancourt UF_IFAS | Key West (US)     | 9:02 AM  | 02:43 PM (Alicia Betancourt UF_IFAS left the meeting.) |
| Amanda Leggett          | Key West (US)     | 8:44 AM  | 12:03 PM (Amanda Leggett left the meeting.) |
| Amanda Leggett          | Key West (US)     | 1:21 PM  | 02:43 PM (Amanda Leggett Host closed meeting) |
| Andrew Sikora           | Key Largo (US)    | 12:59 PM | 01:00 PM (Andrew Sikora left the meeting.) |
| Andrew Sikora           | Key Largo (US)    | 1:24 PM  | 02:38 PM (Andrew Sikora left the meeting.) |
| Annalise Mannix Candidate for County Commission | Key West (US) | 8:57 AM | 12:03 PM (Annalise Mannix Candidate for County Commission left the meeting.) |
| Annalise Mannix Candidate for County Commission | Key West (US) | 1:31 PM | 02:43 PM (Annalise Mannix Candidate for County Commission Host closed meeting) |
| AT                      | Miami (US)        | 1:45 PM  | 02:36 PM (AT left the meeting.) |
| Bob Shillinger          | Key West (US)     | 8:39 AM  | 02:43 PM (Bob Shillinger Host closed meeting) |
| Bob Shillinger          | Key West (US)     | 8:38 AM  | 08:39 AM (Bob Shillinger left the meeting.) |
| Brandy                  | Marathon (US)     | 8:42 AM  | 02:43 PM (Brandy left the meeting.) |
| Brandy                  | Marathon (US)     | 8:42 AM  | 08:42 AM (Brandy left the meeting.) |
| Bruce Halle             | Marathon (US)     | 9:36 AM  | 09:37 AM (Bruce Halle left the meeting.) |
| Bruce Halle             | Marathon (US)     | 8:51 AM  | 09:35 AM (Bruce Halle left the meeting.) |
| Bruce Halle             | Marathon (US)     | 9:37 AM  | 09:37 AM (Bruce Halle left the meeting.) |</p>
<table>
<thead>
<tr>
<th>Name</th>
<th>City/State</th>
<th>Time In</th>
<th>Time Out</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>edierx</td>
<td>Tallahassee</td>
<td>10:17 AM</td>
<td>10:18 AM</td>
<td>(edierx left the meeting.)</td>
</tr>
<tr>
<td>edierx</td>
<td>Tallahassee</td>
<td>1:38 PM</td>
<td>02:13 PM</td>
<td>(edierx left the meeting.)</td>
</tr>
<tr>
<td>Ed Koconis</td>
<td>Key West</td>
<td>10:18 AM</td>
<td>10:23 AM</td>
<td>(Ed Koconis left the meeting.)</td>
</tr>
<tr>
<td>Ed Koconis</td>
<td>Key West</td>
<td>9:03 AM</td>
<td>10:18 AM</td>
<td>(Ed Koconis left the meeting.)</td>
</tr>
<tr>
<td>Ed Koconis</td>
<td>Key West</td>
<td>10:23 AM</td>
<td>02:43 PM</td>
<td>(Ed Koconis Host closed meeting)</td>
</tr>
<tr>
<td>Elizabeth Young</td>
<td>Key West</td>
<td>8:55 AM</td>
<td>02:43 PM</td>
<td>(Elizabeth Young Host closed meeting)</td>
</tr>
<tr>
<td>Emergency Management</td>
<td>Key West</td>
<td>10:00 AM</td>
<td>10:04 AM</td>
<td>(Emergency Management left the meeting.)</td>
</tr>
<tr>
<td>Emergency Management</td>
<td>Ashburn</td>
<td>10:01 AM</td>
<td>01:22 PM</td>
<td>(Emergency Management left the meeting.)</td>
</tr>
<tr>
<td>Emergency Management</td>
<td>Key West</td>
<td>1:26 PM</td>
<td>02:12 PM</td>
<td>(Emergency Management left the meeting.)</td>
</tr>
<tr>
<td>Emilie Stewart</td>
<td>Key West</td>
<td>12:54 PM</td>
<td>12:54 PM</td>
<td>(Emilie Stewart left the meeting.)</td>
</tr>
<tr>
<td>Emilie Stewart</td>
<td>Key Largo</td>
<td>1:19 PM</td>
<td>01:19 PM</td>
<td>(Emilie Stewart left the meeting.)</td>
</tr>
<tr>
<td>Emilie Stewart</td>
<td>Key Largo</td>
<td>1:30 PM</td>
<td>02:36 PM</td>
<td>(Emilie Stewart left the meeting.)</td>
</tr>
<tr>
<td>Emily Schemper</td>
<td>Key West</td>
<td>8:57 AM</td>
<td>12:03 PM</td>
<td>(Emily Schemper left the meeting.)</td>
</tr>
<tr>
<td>Emily Schemper</td>
<td>Key West</td>
<td>1:14 PM</td>
<td>02:43 PM</td>
<td>(Emily Schemper Host closed meeting)</td>
</tr>
<tr>
<td>Erin Deady</td>
<td>Lake Worth</td>
<td>1:46 PM</td>
<td>02:37 PM</td>
<td>(Erin Deady left the meeting.)</td>
</tr>
<tr>
<td>Gabe Price</td>
<td>Key West</td>
<td>8:28 AM</td>
<td>02:43 PM</td>
<td>(Gabe Price left the meeting. Reason: Host ended the meeting.)</td>
</tr>
<tr>
<td>Gabriela Henri</td>
<td>Florida</td>
<td>9:06 AM</td>
<td>09:11 AM</td>
<td>(Gabriela Henri left the meeting.)</td>
</tr>
<tr>
<td>Gabriela Henri</td>
<td>Florida</td>
<td>8:34 AM</td>
<td>08:34 AM</td>
<td>(Gabriela Henri left the meeting.)</td>
</tr>
<tr>
<td>Gabriela Henri</td>
<td>Florida</td>
<td>8:55 AM</td>
<td>09:06 AM</td>
<td>(Gabriela Henri left the meeting.)</td>
</tr>
<tr>
<td>Gabriela Henri</td>
<td>Florida</td>
<td>9:11 AM</td>
<td>09:11 AM</td>
<td>(Gabriela Henri left the meeting.)</td>
</tr>
<tr>
<td>Gambuzza-Dina</td>
<td>Key West</td>
<td>9:17 AM</td>
<td>09:20 AM</td>
<td>(Gambuzza-Dina left the meeting.)</td>
</tr>
<tr>
<td>Gambuzza-Dina</td>
<td>Key West</td>
<td>8:50 AM</td>
<td>09:17 AM</td>
<td>(Gambuzza-Dina left the meeting.)</td>
</tr>
<tr>
<td>Gambuzza-Dina</td>
<td>Key West</td>
<td>9:20 AM</td>
<td>09:20 AM</td>
<td>(Gambuzza-Dina left the meeting.)</td>
</tr>
<tr>
<td>Gambuzza-Dina</td>
<td>Key West</td>
<td>12:33 PM</td>
<td>12:35 PM</td>
<td>(Gambuzza-Dina left the meeting.)</td>
</tr>
<tr>
<td>Gastesi-Roman</td>
<td>Key West</td>
<td>9:00 AM</td>
<td>02:43 PM</td>
<td>(Gastesi-Roman Host closed meeting)</td>
</tr>
<tr>
<td>Gastesi-Roman</td>
<td>Key West</td>
<td>9:00 AM</td>
<td>09:00 AM</td>
<td>(Gastesi-Roman left the meeting.)</td>
</tr>
<tr>
<td>George Smyth</td>
<td>Key Largo</td>
<td>1:15 PM</td>
<td>02:43 PM</td>
<td>(George Smyth Host closed meeting)</td>
</tr>
<tr>
<td>Ginny Stones</td>
<td>Key West</td>
<td>9:18 AM</td>
<td>09:19 AM</td>
<td>(Ginny Stones left the meeting.)</td>
</tr>
<tr>
<td>Ginny Stones</td>
<td>Key West</td>
<td>8:55 AM</td>
<td>09:18 AM</td>
<td>(Ginny Stones left the meeting.)</td>
</tr>
<tr>
<td>Ginny Stones</td>
<td>Key West</td>
<td>9:20 AM</td>
<td>09:20 AM</td>
<td>(Ginny Stones left the meeting.)</td>
</tr>
<tr>
<td>Greg Corning</td>
<td>Key West</td>
<td>12:11 PM</td>
<td>12:12 PM</td>
<td>(Greg Corning left the meeting.)</td>
</tr>
<tr>
<td>Greg Corning</td>
<td>Ohio</td>
<td>1:24 PM</td>
<td>01:39 PM</td>
<td>(Greg Corning left the meeting.)</td>
</tr>
<tr>
<td>Greg Corning</td>
<td>Ohio</td>
<td>1:44 PM</td>
<td>02:00 PM</td>
<td>(Greg Corning left the meeting.)</td>
</tr>
<tr>
<td>griffin-rick</td>
<td>Key West</td>
<td>9:45 AM</td>
<td>09:52 AM</td>
<td>(griffin-rick disconnect from the meeting)</td>
</tr>
<tr>
<td>griffin-rick</td>
<td>Key West</td>
<td>9:52 AM</td>
<td>10:03 AM</td>
<td>(griffin-rick left the meeting.)</td>
</tr>
<tr>
<td>griffin-rick</td>
<td>Key West</td>
<td>10:36 AM</td>
<td>10:46 AM</td>
<td>(griffin-rick disconnect from the meeting)</td>
</tr>
<tr>
<td>griffin-rick</td>
<td>Key West</td>
<td>10:46 AM</td>
<td>10:46 AM</td>
<td>(griffin-rick left the meeting.)</td>
</tr>
<tr>
<td>Guerra-Cynthia</td>
<td>Key West</td>
<td>9:24 AM</td>
<td>09:35 AM</td>
<td>(Guerra-Cynthia left the meeting.)</td>
</tr>
<tr>
<td>Guerra-Cynthia</td>
<td>Key West</td>
<td>9:05 AM</td>
<td>09:24 AM</td>
<td>(Guerra-Cynthia left the meeting.)</td>
</tr>
</tbody>
</table>
Guerra-Cynthia  Key West (US )  9:35 AM  09:38 AM(Guerra-Cynthia left the meeting.)  
Guerra-Maria  Key West (US )  11:54 AM  12:03 PM(Guerra-Maria left the meeting.)  
Guerra-Maria  Key West (US )  1:29 PM  02:43 PM(Guerra-Maria Host closed meeting)  
Gunderson-Janet  Key West (US )  9:59 AM  02:43 PM(Gunderson-Janet Host closed meeting)  
Hitchins-Celia  Key West (US )  9:00 AM  10:17 AM(Hitchins-Celia left the meeting.)  
Hurley-Christine  Key West (US )  9:24 AM  09:35 AM(Hurley-Christine left the meeting.)  
Hurley-Christine  Key West (US )  10:18 AM  10:23 AM(Hurley-Christine left the meeting.)  
Hurley-Christine  Key West (US )  8:59 AM  09:24 AM(Hurley-Christine left the meeting.)  
Hurley-Christine  Key West (US )  9:35 AM  10:17 AM(Hurley-Christine left the meeting.)  
Hurley-Christine  Key West (US )  10:23 AM  12:03 PM(Hurley-Christine left the meeting.)  
Hurley-Christine  Key West (US )  1:30 PM  02:43 PM(Hurley-Christine Host closed meeting)  
Jesse Wagner  Key West (US )  1:54 PM  01:55 PM(Jesse Wagner left the meeting. Reason: Removed by host.)  
Jethon Williams II  Key West (US )  8:27 AM  08:32 AM(Jethon Williams II left the meeting.  
Jodi & Scott  Key West (US )  9:44 AM  09:48 AM(Jodi & Scott left the meeting.)  
Joe  Tampa (US )  8:45 AM  09:06 AM(Joe left the meeting.)  
Joe Tuttle  Key West (US )  9:16 AM  12:12 PM(Joe Tuttle left the meeting.)  
John  Key West (US )  9:30 AM  10:55 AM(John left the meeting.)  
Jon Rizzo  Key West (US )  9:47 AM  10:17 AM(Jon Rizzo left the meeting.)  
Jon Rizzo  Key West (US )  9:24 AM  09:47 AM(Jon Rizzo left the meeting.)  
Jon Rizzo  Key West (US )  10:17 AM  10:17 AM(Jon Rizzo left the meeting.)  
Karrie Porter Bond  Key (US )  11:06 AM  11:33 AM(Karrie Porter Bond left the meeting.)  
Kathryn Norris  Key West (US )  9:00 AM  12:03 PM(Kathryn Norris left the meeting.)  
Kathryn Norris  Key West (US )  12:50 PM  02:43 PM(Kathryn Norris Host closed meeting)  
Katie Atkins  Key West (US )  9:02 AM  12:03 PM(Katie Atkins left the meeting.)  
Katie Atkins  Key West (US )  1:38 PM  02:43 PM(Katie Atkins Host closed meeting)  
Kelly A. Cummings  Key West (US )  8:58 AM  02:43 PM(Kelly A. Cummings Host closed meeting)  
Ken Marshall  Key West (US )  9:36 AM  09:51 AM(Ken Marshall left the meeting.)  
Kevin Wilson  Key West (US )  8:44 AM  12:03 PM(Kevin Wilson left the meeting.)  
Kevin Wilson  Key West (US )  1:26 PM  02:38 PM(Kevin Wilson left the meeting.)  
Kevin Wilson  Key West (US )  2:38 PM  02:41 PM(Kevin Wilson disconnect from the meeting)  
Kevin Wilson  Key Largo (US )  2:41 PM  02:43 PM(Kevin Wilson Host closed meeting)  
Key Largo Chamber  Key Largo (US )  2:29 PM  02:43 PM(Key Largo Chamber Host closed meeting)  
Kimberly Matthews  Key West (US )  10:55 AM  11:05 AM(Kimberly Matthews left the meeting.)  
Kimberly Matthews  Key West (US )  8:48 AM  09:30 AM(Kimberly Matthews disconnect from the meeting)  
Kimberly Matthews  Key West (US )  9:30 AM  09:47 AM(Kimberly Matthews disconnect from the meeting)  
Kimberly Matthews  Key West (US )  9:47 AM  10:55 AM(Kimberly Matthews left the meeting.)  
Kimberly Matthews  Key West (US )  11:05 AM  02:43 PM(Kimberly Matthews Host closed meeting)  
Kristen Livengood  Key West (US )  9:06 AM  09:11 AM(Kristen Livengood left the meeting.)  
Kristen Livengood  Key West (US )  11:10 AM  11:14 AM(Kristen Livengood left the meeting.)  
Kristen Livengood  Key West (US )  8:53 AM  09:06 AM(Kristen Livengood left the meeting.)  
Kristen Livengood  Key West (US )  9:11 AM  09:20 AM(Kristen Livengood left the meeting.)  
Kristen Livengood  Key West (US )  9:21 AM  09:25 AM(Kristen Livengood left the meeting.)
<table>
<thead>
<tr>
<th>Participant</th>
<th>Location</th>
<th>Join Time</th>
<th>Leave Time</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kristen Livengood</td>
<td>Key West (US)</td>
<td>9:28 AM</td>
<td>09:48 AM</td>
<td>Kristen Livengood disconnect from the meeting.</td>
</tr>
<tr>
<td>Kristen Livengood</td>
<td>Key West (US)</td>
<td>10:02 AM</td>
<td>10:48 AM</td>
<td>Kristen Livengood disconnect from the meeting.</td>
</tr>
<tr>
<td>Kristen Livengood</td>
<td>Key West (US)</td>
<td>10:52 AM</td>
<td>11:10 AM</td>
<td>Kristen Livengood left the meeting.</td>
</tr>
<tr>
<td>Limbert-Christine</td>
<td>Key West (US)</td>
<td>11:14 AM</td>
<td>11:28 AM</td>
<td>Kristen Livengood left the meeting.</td>
</tr>
<tr>
<td>Limbert-Christine</td>
<td>Key West (US)</td>
<td>9:24 AM</td>
<td>09:35 AM</td>
<td>Limbert-Christine left the meeting.</td>
</tr>
<tr>
<td>Limbert-Christine</td>
<td>Key West (US)</td>
<td>11:19 AM</td>
<td>11:25 AM</td>
<td>Limbert-Christine left the meeting.</td>
</tr>
<tr>
<td>Limbert-Christine</td>
<td>Key West (US)</td>
<td>8:52 AM</td>
<td>08:54 AM</td>
<td>Limbert-Christine left the meeting.</td>
</tr>
<tr>
<td>Limbert-Christine</td>
<td>Key West (US)</td>
<td>8:56 AM</td>
<td>09:24 AM</td>
<td>Limbert-Christine left the meeting.</td>
</tr>
<tr>
<td>Limbert-Christine</td>
<td>Key West (US)</td>
<td>9:35 AM</td>
<td>11:19 AM</td>
<td>Limbert-Christine left the meeting.</td>
</tr>
<tr>
<td>Limbert-Christine</td>
<td>Key West (US)</td>
<td>11:25 AM</td>
<td>12:04 PM</td>
<td>Limbert-Christine left the meeting.</td>
</tr>
<tr>
<td>Limbert-Christine</td>
<td>Key West (US)</td>
<td>1:28 PM</td>
<td>02:43 PM</td>
<td>Limbert-Christine closed meeting</td>
</tr>
<tr>
<td>Lindsey Ballard</td>
<td>Key West (US)</td>
<td>8:48 AM</td>
<td>02:43 PM</td>
<td>Lindsey Ballard Host closed meeting</td>
</tr>
<tr>
<td>Lindsey Ballard</td>
<td>Key West (US)</td>
<td>8:48 AM</td>
<td>08:48 AM</td>
<td>Lindsey Ballard left the meeting.</td>
</tr>
<tr>
<td>Lisa Tennyson</td>
<td>Key West (US)</td>
<td>8:58 AM</td>
<td>02:23 PM</td>
<td>Lisa Tennyson left the meeting.</td>
</tr>
<tr>
<td>Lisa Tennyson</td>
<td>Key West (US)</td>
<td>2:34 PM</td>
<td>02:43 PM</td>
<td>Lisa Tennyson closed meeting</td>
</tr>
<tr>
<td>maddox-natalie</td>
<td>Key West (US)</td>
<td>8:52 AM</td>
<td>09:17 AM</td>
<td>maddox-natalie left the meeting.</td>
</tr>
<tr>
<td>Manuel Castillo</td>
<td>Key West (US)</td>
<td>11:32 AM</td>
<td>12:03 PM</td>
<td>Manuel Castillo left the meeting.</td>
</tr>
<tr>
<td>Manuel Castillo</td>
<td>Key West (US)</td>
<td>9:02 AM</td>
<td>09:04 AM</td>
<td>Manuel Castillo left the meeting.</td>
</tr>
<tr>
<td>Manuel Castillo</td>
<td>Key West (US)</td>
<td>9:20 AM</td>
<td>11:32 AM</td>
<td>Manuel Castillo left the meeting.</td>
</tr>
<tr>
<td>Manuel Castillo</td>
<td>Key West (US) Key Biscayne (US)</td>
<td>12:03 PM</td>
<td>01:31 PM</td>
<td>Manuel Castillo left the meeting.</td>
</tr>
<tr>
<td>mark 32 S Blackwater</td>
<td>Key West (US) Prairieville (US)</td>
<td>1:30 PM</td>
<td>02:37 PM</td>
<td>mark 32 S Blackwater left the meeting.</td>
</tr>
<tr>
<td>Marston Fowler</td>
<td>Prairieville (US)</td>
<td>9:25 AM</td>
<td>09:35 AM</td>
<td>Marston Fowler left the meeting.</td>
</tr>
<tr>
<td>Marston Fowler</td>
<td>Prairieville (US)</td>
<td>9:03 AM</td>
<td>09:25 AM</td>
<td>Marston Fowler left the meeting.</td>
</tr>
<tr>
<td>Mayor Carruthers</td>
<td>Key West (US)</td>
<td>8:39 AM</td>
<td>12:13 PM</td>
<td>Mayor Carruthers left the meeting.</td>
</tr>
<tr>
<td>Mayor Carruthers</td>
<td>Key West (US)</td>
<td>1:21 PM</td>
<td>02:43 PM</td>
<td>Mayor Carruthers Host closed meeting</td>
</tr>
<tr>
<td>Mayor Carruthers</td>
<td>Key West (US)</td>
<td>8:39 AM</td>
<td>08:39 AM</td>
<td>Mayor Carruthers left the meeting.</td>
</tr>
<tr>
<td>Mayor Carruthers</td>
<td>Key West (US)</td>
<td>1:15 PM</td>
<td>01:21 PM</td>
<td>Mayor Carruthers left the meeting.</td>
</tr>
<tr>
<td>McPherson-Cynthia</td>
<td>Key West (US)</td>
<td>9:06 AM</td>
<td>09:11 AM</td>
<td>McPherson-Cynthia left the meeting.</td>
</tr>
<tr>
<td>McPherson-Cynthia</td>
<td>Key West (US)</td>
<td>8:50 AM</td>
<td>09:06 AM</td>
<td>McPherson-Cynthia left the meeting.</td>
</tr>
<tr>
<td>McPherson-Cynthia</td>
<td>Key West (US)</td>
<td>9:11 AM</td>
<td>02:43 PM</td>
<td>McPherson-Cynthia Host closed meeting</td>
</tr>
<tr>
<td>MCTVKW</td>
<td>Key West (US)</td>
<td>8:28 AM</td>
<td>02:43 PM</td>
<td>MCTVKW closed meeting</td>
</tr>
<tr>
<td>MCTVKW</td>
<td>Key West (US)</td>
<td>8:28 AM</td>
<td>08:28 AM</td>
<td>MCTVKW left the meeting.</td>
</tr>
<tr>
<td>Mercado-Pedro</td>
<td>Key West (US)</td>
<td>9:04 AM</td>
<td>12:03 PM</td>
<td>Mercado-Pedro left the meeting.</td>
</tr>
<tr>
<td>Mercado-Pedro</td>
<td>Key West (US)</td>
<td>1:53 PM</td>
<td>02:43 PM</td>
<td>Mercado-Pedro Host closed meeting</td>
</tr>
<tr>
<td>Mike Roberts</td>
<td>Key West (US)</td>
<td>9:03 AM</td>
<td>10:02 AM</td>
<td>Mike Roberts left the meeting.</td>
</tr>
<tr>
<td>Morris-Peter</td>
<td>Key West (US)</td>
<td>9:10 AM</td>
<td>09:17 AM</td>
<td>Morris-Peter left the meeting.</td>
</tr>
<tr>
<td>Murphy-sylvia</td>
<td>Key West (US)</td>
<td>8:32 AM</td>
<td>02:43 PM</td>
<td>Murphy-sylvia Host closed meeting</td>
</tr>
<tr>
<td>Murphy-sylvia</td>
<td>Key West (US)</td>
<td>8:32 AM</td>
<td>08:32 AM</td>
<td>Murphy-sylvia left the meeting.</td>
</tr>
<tr>
<td>Participant</td>
<td>Location</td>
<td>Join Time</td>
<td>Leave Time</td>
<td>Note</td>
</tr>
<tr>
<td>pattison-charles</td>
<td>Key West (US)</td>
<td>9:18 AM</td>
<td>09:20 AM</td>
<td>pattison-charles left the meeting.</td>
</tr>
<tr>
<td>pattison-charles</td>
<td>Key West (US)</td>
<td>8:50 AM</td>
<td>09:18 AM</td>
<td>pattison-charles left the meeting.</td>
</tr>
<tr>
<td>pattison-charles</td>
<td>Key West (US)</td>
<td>9:20 AM</td>
<td>01:23 PM</td>
<td>pattison-charles left the meeting.</td>
</tr>
<tr>
<td>Name</td>
<td>Location</td>
<td>Time In</td>
<td>Time Out</td>
<td>Event Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------------</td>
<td>---------</td>
<td>-------------------</td>
<td>-------------------------------------------------------------</td>
</tr>
<tr>
<td>Perez-JoseA</td>
<td>Key West (US)</td>
<td>9:04 AM</td>
<td>02:43 PM</td>
<td>Perez-JoseA Host closed meeting</td>
</tr>
<tr>
<td>Peters-Katherine</td>
<td>Key West (US)</td>
<td>8:47 AM</td>
<td>02:43 PM</td>
<td>Peters-Katherine Host closed meeting</td>
</tr>
<tr>
<td>Rhonda Haag</td>
<td>Key West (US)</td>
<td>2:30 PM</td>
<td>02:36 PM</td>
<td>Rhonda Haag left the meeting</td>
</tr>
<tr>
<td>Rhonda Haag</td>
<td>Key West (US)</td>
<td>9:03 AM</td>
<td>02:30 PM</td>
<td>Rhonda Haag left the meeting</td>
</tr>
<tr>
<td>Rhonda Haag</td>
<td>Key West (US)</td>
<td>2:36 PM</td>
<td>02:43 PM</td>
<td>Rhonda Haag Host closed meeting</td>
</tr>
<tr>
<td>rice-david</td>
<td>Marathon (US)</td>
<td>8:43 AM</td>
<td>08:43 AM</td>
<td>rice-david left the meeting</td>
</tr>
<tr>
<td>rice-david</td>
<td>Marathon (US)</td>
<td>8:43 AM</td>
<td>08:47 AM</td>
<td>rice-david left the meeting</td>
</tr>
<tr>
<td>rice-david</td>
<td>Marathon (US)</td>
<td>8:43 AM</td>
<td>08:43 AM</td>
<td>rice-david left the meeting</td>
</tr>
<tr>
<td>rice-david</td>
<td>Marathon (US)</td>
<td>8:43 AM</td>
<td>08:50 AM</td>
<td>rice-david left the meeting</td>
</tr>
<tr>
<td>Rodriguez-Monica</td>
<td>Key West (US)</td>
<td>8:57 AM</td>
<td>02:43 PM</td>
<td>Rodriguez-Monica Host closed meeting</td>
</tr>
<tr>
<td>Rosch-Mark</td>
<td>Key West (US)</td>
<td>9:18 AM</td>
<td>09:19 AM</td>
<td>Rosch-Mark left the meeting</td>
</tr>
<tr>
<td>Rosch-Mark</td>
<td>Key West (US)</td>
<td>8:51 AM</td>
<td>09:17 AM</td>
<td>Rosch-Mark left the meeting</td>
</tr>
<tr>
<td>Rosch-Mark</td>
<td>Key West (US)</td>
<td>9:19 AM</td>
<td>02:43 PM</td>
<td>Rosch-Mark Host closed meeting</td>
</tr>
<tr>
<td>Scull-Paunece</td>
<td>Key West (US)</td>
<td>8:27 AM</td>
<td>12:10 PM</td>
<td>Scull-Paunece left the meeting</td>
</tr>
<tr>
<td>Scull-Paunece</td>
<td>Key West (US)</td>
<td>1:29 PM</td>
<td>02:21 PM</td>
<td>Scull-Paunece left the meeting</td>
</tr>
<tr>
<td>Sheryl Graham</td>
<td>Key West (US)</td>
<td>12:03 PM</td>
<td>12:04 PM</td>
<td>Sheryl Graham left the meeting</td>
</tr>
<tr>
<td>Sheryl Graham</td>
<td>Key West (US)</td>
<td>1:15 PM</td>
<td>02:43 PM</td>
<td>Sheryl Graham Host closed meeting</td>
</tr>
<tr>
<td>Shryl Graham</td>
<td>Key West (US)</td>
<td>11:32 AM</td>
<td>12:03 PM</td>
<td>Shryl Graham left the meeting</td>
</tr>
<tr>
<td>Shryl Graham</td>
<td>Key West (US)</td>
<td>9:04 AM</td>
<td>11:32 AM</td>
<td>Shryl Graham left the meeting</td>
</tr>
<tr>
<td>Slavik-Maria</td>
<td>Key West (US)</td>
<td>9:31 AM</td>
<td>12:35 PM</td>
<td>Slavik-Maria disconnect from the meeting</td>
</tr>
<tr>
<td>Slavik-Maria</td>
<td>Key West (US)</td>
<td>12:35 PM</td>
<td>02:43 PM</td>
<td>Slavik-Maria Host closed meeting</td>
</tr>
<tr>
<td>srusso</td>
<td>Key Largo (US)</td>
<td>8:57 AM</td>
<td>12:04 PM</td>
<td>srusso Host closed meeting</td>
</tr>
<tr>
<td>srusso</td>
<td>Key Largo (US)</td>
<td>1:26 PM</td>
<td>02:43 PM</td>
<td>srusso Host closed meeting</td>
</tr>
<tr>
<td>Stacey Mitchell</td>
<td>Key West (US)</td>
<td>9:39 AM</td>
<td>09:45 AM</td>
<td>Stacey Mitchell left the meeting</td>
</tr>
<tr>
<td>Stacey Mitchell</td>
<td>Key West (US)</td>
<td>9:11 AM</td>
<td>09:18 AM</td>
<td>Stacey Mitchell left the meeting</td>
</tr>
<tr>
<td>Stacey Mitchell</td>
<td>Key West (US)</td>
<td>9:19 AM</td>
<td>09:39 AM</td>
<td>Stacey Mitchell left the meeting</td>
</tr>
<tr>
<td>Stacey Mitchell</td>
<td>Key West (US)</td>
<td>9:45 AM</td>
<td>11:26 AM</td>
<td>Stacey Mitchell disconnect from the meeting</td>
</tr>
<tr>
<td>Stacey Mitchell</td>
<td>Key West (US) Mt. Pleasant(US)</td>
<td>1:35 PM</td>
<td>02:13 PM</td>
<td>Stacey Mitchell Host closed meeting</td>
</tr>
<tr>
<td>Stephen G.</td>
<td>Mt. Pleasant (US)</td>
<td>11:50 AM</td>
<td>02:03 PM</td>
<td>Stephen G. left the meeting</td>
</tr>
<tr>
<td>Strickland-Richard</td>
<td>Key West (US)</td>
<td>1:37 PM</td>
<td>01:43 PM</td>
<td>Strickland-Richard left the meeting</td>
</tr>
<tr>
<td>Strickland-Richard</td>
<td>Key West (US)</td>
<td>8:57 AM</td>
<td>12:03 PM</td>
<td>Strickland-Richard left the meeting</td>
</tr>
<tr>
<td>Strickland-Richard</td>
<td>Key West (US)</td>
<td>1:31 PM</td>
<td>01:37 PM</td>
<td>Strickland-Richard left the meeting</td>
</tr>
<tr>
<td>Strickland-Richard</td>
<td>Key West (US)</td>
<td>1:43 PM</td>
<td>02:43 PM</td>
<td>Strickland-Richard Host closed meeting</td>
</tr>
<tr>
<td>terry gross</td>
<td>(US)</td>
<td>1:47 PM</td>
<td>01:49 PM</td>
<td>terry gross left the meeting</td>
</tr>
<tr>
<td>terry gross</td>
<td>(US)</td>
<td>1:50 PM</td>
<td>02:43 PM</td>
<td>terry gross Host closed meeting</td>
</tr>
<tr>
<td>Tiffany Duong</td>
<td>Sacramento (US)</td>
<td>9:00 AM</td>
<td>02:43 PM</td>
<td>Tiffany Duong Host closed meeting</td>
</tr>
<tr>
<td>Tina Boan</td>
<td>Key West (US)</td>
<td>9:21 AM</td>
<td>09:24 AM</td>
<td>Tina Boan left the meeting</td>
</tr>
<tr>
<td>Tina Boan</td>
<td>Key West (US)</td>
<td>8:36 AM</td>
<td>08:43 AM</td>
<td>Tina Boan disconnect from the meeting</td>
</tr>
<tr>
<td>Tina Boan</td>
<td>Key West (US)</td>
<td>8:43 AM</td>
<td>08:48 AM</td>
<td>Tina Boan disconnect from the meeting</td>
</tr>
<tr>
<td>Tina Boan</td>
<td>Key West (US)</td>
<td>8:56 AM</td>
<td>09:12 AM</td>
<td>Tina Boan disconnect from the meeting</td>
</tr>
<tr>
<td>Tina Boan</td>
<td>Key West (US)</td>
<td>9:12 AM</td>
<td>09:21 AM</td>
<td>Tina Boan left the meeting</td>
</tr>
</tbody>
</table>
| Tina Boan          | Key West (US)             | 9:24 AM | 02:43 PM         | Tina Boan Host closed meeting                              

GIP Public Participation  Page 28 of 36
<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Time</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>weiner-shannon</td>
<td>Key West (US)</td>
<td>9:47 AM</td>
<td>09:55 AM (weiner-shannon left the meeting.)</td>
</tr>
<tr>
<td>weiner-shannon</td>
<td>Key West (US)</td>
<td>9:55 AM</td>
<td>10:17 AM (weiner-shannon left the meeting.)</td>
</tr>
<tr>
<td>Weiner-Shannon</td>
<td>Key West (US)</td>
<td>8:27 AM</td>
<td>08:31 AM (Weiner-Shannon left the meeting.)</td>
</tr>
<tr>
<td>weiner-shannon</td>
<td>Key West (US)</td>
<td>8:27 AM</td>
<td>09:47 AM (weiner-shannon left the meeting.)</td>
</tr>
<tr>
<td>weiner-shannon</td>
<td>Key West (US)</td>
<td>9:55 AM</td>
<td>09:55 AM (weiner-shannon left the meeting.)</td>
</tr>
<tr>
<td>weiner-shannon</td>
<td>Key West (US)</td>
<td>10:17 AM</td>
<td>02:43 PM (weiner-shannon Host closed meeting)</td>
</tr>
<tr>
<td>Wetherington-Helene</td>
<td>Key West (US)</td>
<td>2:11 PM</td>
<td>02:36 PM (Wetherington-Helene left the meeting.)</td>
</tr>
<tr>
<td>Wetherington-Helene</td>
<td>Cleveland (US)</td>
<td>8:54 AM</td>
<td>10:25 AM (Wetherington-Helene left the meeting.)</td>
</tr>
<tr>
<td>Wetherington-Helene</td>
<td>Key West (US)</td>
<td>10:26 AM</td>
<td>12:03 PM (Wetherington-Helene left the meeting.)</td>
</tr>
<tr>
<td>Wetherington-Helene</td>
<td>Key West (US)</td>
<td>1:15 PM</td>
<td>01:18 PM (Wetherington-Helene left the meeting.)</td>
</tr>
<tr>
<td>Wetherington-Helene</td>
<td>Key West (US)</td>
<td>1:21 PM</td>
<td>02:10 PM (Wetherington-Helene left the meeting.)</td>
</tr>
<tr>
<td><a href="mailto:wetherington-helene@monroecounty-fl.gov">wetherington-helene@monroecounty-fl.gov</a></td>
<td>Key West (US)</td>
<td>2:42 PM</td>
<td>02:43 PM (<a href="mailto:wetherington-helene@monroecounty-fl.gov">wetherington-helene@monroecounty-fl.gov</a> Host closed meeting)</td>
</tr>
<tr>
<td>william lay</td>
<td>Fort Lauderdale (US)</td>
<td>8:40 AM</td>
<td>01:16 PM (william lay left the meeting.)</td>
</tr>
<tr>
<td>william lay</td>
<td>Fort Lauderdale (US)</td>
<td>1:17 PM</td>
<td>02:26 PM (william lay left the meeting.)</td>
</tr>
<tr>
<td>Williams-Steve</td>
<td>Key West (US)</td>
<td>8:55 AM</td>
<td>12:03 PM (Williams-Steve left the meeting.)</td>
</tr>
<tr>
<td>Williams-Steve</td>
<td>Key West (US)</td>
<td>1:23 PM</td>
<td>02:43 PM (Williams-Steve Host closed meeting)</td>
</tr>
<tr>
<td>Yzenas-Michelle</td>
<td>Key West (US)</td>
<td>9:57 AM</td>
<td>02:43 PM (Yzenas-Michelle left the meeting.)</td>
</tr>
<tr>
<td>Yzenas-Michelle</td>
<td>Key West (US)</td>
<td>10:27 AM</td>
<td>10:30 AM (Yzenas-Michelle left the meeting.)</td>
</tr>
</tbody>
</table>
Attachment 4b: Meeting Minutes

INSERT MEETING MINUTES FROM https://minutes.monroe-clerk.com/WebLink/Browse.aspx?id=268583&dbid=0&repo=Monroe-County-Clerk-of-the-Court

MINUTES
OF THE MONROE COUNTY
BOARD OF COUNTY COMMISSIONERS

Regular Meeting
Board of County Commissioners
Wednesday, August 19, 2020
Via Communication Media Technology

A regular meeting of the Monroe County Board of County Commissioners convened at 9:00 a.m. via Communication Media Technology. Present and answering to roll call were Commissioner Craig Cates, Commissioner Michelle Coldiron, Commissioner Sylvia Murphy, Commissioner David Rice, and Mayor Heather Carruthers. Also present at the meeting were Roman Gastesi, County Administrator; Bob Shillinger, County Attorney; Kevin Madok, Clerk of Court; Pamela Hancock, Deputy Clerk; county staff, members of the press and radio; and the general public.

Items Q3, Q4, Q5, Q6, Q7 on pages 16 and 17.
Helene Wetherington, Director of Disaster Recovery, gave a Power Point Presentation regarding the following five items (Q3 to Q7):

Q3 A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Sands Subdivision Road Elevation and Storm Water Drainage Improvement Project, which will elevate and improve drainage on Father Tony Way in Big Pine Key, in the amount of $8.5 million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the Federal Housing and Urban Development Agency, after a duly noticed 10 day public comment period; after a 5 day public notice and approval to submit grant application to DEO.

Q4 A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Twin Lakes Subdivision Road Elevation and Drainage Improvement Project, which will elevate and improve drainage in the Twin Lakes Subdivision, in the amount of $7.1 million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development, after a duly noticed 10 day public comment period; after a 5 day public notice and approval to submit grant application to DEO.

Q5 A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Stillwright Point Subdivision Road Elevation and Stormwater Drainage Improvement Project, which will elevate and improve drainage within the Stillwright Point Subdivision, in the amount of $21 million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic
Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development, after a duly noticed 10 day public comment period; after a 5 day public notice and approval to submit grant application to DEO.

Q6 A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Big Coppitt Key Road Elevation and Stormwater Drainage Improvement Project, which will elevate and improve drainage within Big Coppitt Key, in the amount of $8.5 million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the US Department of Housing and Urban Development, after a duly noticed 10 day public comment period; after a 5 day public notice and approval to submit grant application to DEO.

Q7 A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Public Works Facility Maintenance Building Relocation, which will relocate the building from the Key West International Airport to Rockland Key, in the amount of $13.7 million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development, after a duly noticed 10 day public comment period; after a 5 day public notice and approval to submit grant application to DEO.

Ms. Clarke and Rhonda Haag, Chief Resilience Officer, addressed the Board. The following individuals addressed the Board: Dotti Moses, Andrew Sikora, George Smyth, Emilie Stewart, Stephanie Russo and Mark Stearn. After discussion, motion was made by Commissioner Rice and seconded by Commissioner Coldiron granting approval of Items Q3 through Q7. Motion carried unanimously.
Attachment 4c: Public Comments Received at the Public Hearing on 8/19/2020

Dotty Mosses, Key Largo
Question: Will the grant have to be awarded in the full amount or could the state fund only a portion?
Answer: There is no local match requirement. If funded, the state would fund the project at the full amount.
Question: How will the County fund long-term maintenance? Would the gas tax be used to maintain the road.
Answer: Through general revenue as directed by the BOCC. The operations cost of a pump station is the largest cost and will vary over time. Toward the end of the life span of the equipment and rising seas, the costs for maintenance will go up. The current estimates for the pump station begin at $17,000 / year. Over time the costs will increase up to $ 200,000 per year as the pumps must run more frequently. The BOCC may also seek alternate revenue sources to fund sea level rise initiatives in the long-term.
Question: Where will the new Public Works facility be located?
Answer: On Rockland Key.

Andy Secora, Stillwright Point
He thanked the county for applying for the grant and requests approval to submit the application. Stillwright Point is an average income community and not a rich community. Flooding is a very big problem for the 200 people that live in the Stillwright Point neighborhood. It floods very severely, and it didn’t flood as severely in the past. One of the reasons is the king tide and sea level rise.

George Smyth
He thanked the County in applying for the grant and encouraged board to approve application submission. He also urged the Board to continue to keep the neighborhoods updated.

Emilie Stewart
She thanked the Board for moving forward with the grant application. Last year the flooding started on September 1, and the community hopes it won’t be as bad this year.

**Stephanie Russo**

She supports the grant application and thanked the Board for their efforts.

**Question:** Are there other funding sources for sea level rise projects?

**Answer:** Yes, the county is looking into BRIC funding from FEMA. The Commission has also received notice that the State legislature may be released some grant funds through the WISE grant for Transportation and Infrastructure projects. They are looking for shovel ready projects. Contact the congress man to find out more.

**Mark Stern, Stillwright Point**

Thanked the Board for moving forward in applying for grant funds for mitigation projects. He reiterated that these are very important projects for the neighborhood. He chose to retire in this neighborhood many years ago and it did not flood. The community is surrounded by mangroves and, therefore, they can’t mitigate the flooding. He want to enjoy the keys in retirement. He appreciates the county’s support.
Attachment 4d: Powerpoint Presentation of the Public Hearing 8-19-2020

CDBG-MIT BOCC Public Hearing 08-19-2020 9/9/2020

Grant Criteria
- Benefit Low to Moderate Income Families
- Innovative, collaborative, multi-jurisdictional and/or large-scale mitigation activities
- Reduction of risk to community livelihoods
- Minimum 900,000 with a Maximum of $475 Million

Purpose
- in order to build more resilient neighborhoods countywide which are in the
  benefit low to moderate income, and regions approved to submit a CDBG-MIT
  grant application for the following projects:
  - 21.0: Sands Subdivision Road Elevation and Drainage Improvement 8.5 Million
  - 21.1: Twin Lakes Subdivision Road Elevation and Drainage Improvement 4.2 Million
  - 21.2: Public/Privatized Neighborhoods in Dade County 1.9 Million
  - 21.3: For the final Maintenance Uniform Division in Dade County 1.9 Million
  - Note: this is not a project under dams and represent a workon. Each project will be evaluated
    against the above requirement.
  - Total Funding Request: $108 Million (Total Available Funding Statewide: $205 Million)

Sands Subdivision Road Elevation and Drainage Improvement (Agenda Item 03)
- Purpose: Reduce Flooding and Maintain Access to Neighborhood
- Project: Elevate Floating Ferry Way and Install Drainage Improvement Structures
- Cost: $81.5 Million
- Contact: Judith Clark, Senior Director, judith.clark@monroecounty.fl.gov

Twin Lakes Road Elevation and Drainage Improvement (Agenda Item 04)
- Purpose: Reduce Flooding and Maintain Access to Neighborhood
- Project: Elevate Roadway and Install Drainage Improvement Structures
- Cost: $17.2 Million
- Contact: Judith Clark, Senior Director, judith.clark@monroecounty.fl.gov
Stillwright Point Road Elevation and Drainage Improvement (Agenda Item Q3)
- Purpose: Reduce Flooding and Maintain Access to Neighborhood
- Project: Elevate Roadway and Install Drainage Improvement Structures
- Cost: $2.4 Million
- Contact: Judith Clarke, Senior Director, Clarke.Judith@MonroeCounty-fl.gov

Big Coppitt Stormwater Drainage Improvement (Agenda Item Q6)
- Purpose: Reduce Flooding and Maintain Access to the Johnsonville Subdivision Neighborhood
- Project: Elevate Roadway and Install Drainage Improvement Structures
- Cost: $8.9 Million
- Contact: Judith Clarke, Senior Director, Clarke.Judith@MonroeCounty-fl.gov

Public Works Maintenance Facility Relocation (Agenda Item Q7)
- Purpose: Relocate the facility from the Key West International Airport to a lower risk site on Stock Island
- Project: Demolish Facilities Maintenance Facility and Construct New Facility
- Cost: $11.7 Million
- Contact: Kevin Wilson, Wilson.Kevin@MonroeCounty-fl.gov

Public Participation
- A Public Notice was released as follows:
  - Citizen, Set, editReach
  - Keys Weekly: Thurs, 6/17/2020
  - News Briefs: Fri, 6/19/2020
- Public Hearing on August 19, 2020
- Applications are posted at the following website:
  http://www.monroecounty-fl.gov/2000/CDBG Mitigation Program
- At least a 30 Day Public Comment Period

Contact Information
CDBG-MIT Contact:
Helene Wetherington, Disaster Recovery Director
Wetherington-Helene@MonroeCounty-fl.gov
<table>
<thead>
<tr>
<th>OBJECTID</th>
<th>GEOID</th>
<th>Source</th>
<th>geoname</th>
<th>Stusab</th>
<th>County</th>
<th>State</th>
<th>Tract</th>
<th>Blockgrp</th>
<th>Low</th>
<th>Lowmod</th>
<th>Lmmi</th>
<th>Lowmodur</th>
<th>Lowmod _ucLowmod</th>
<th>ucLowmod</th>
<th>MOE_Low</th>
<th>MOE_ucLowmod</th>
<th>MOE ucLo Shape</th>
<th>Ar Shape</th>
<th>Le x</th>
<th>y</th>
</tr>
</thead>
<tbody>
<tr>
<td>47295</td>
<td>1.21E+11</td>
<td>2015ACS</td>
<td>Block Grou</td>
<td>FL</td>
<td>Monroe</td>
<td>C</td>
<td>12</td>
<td>87</td>
<td>970300</td>
<td>2</td>
<td>485</td>
<td>840</td>
<td>1085</td>
<td>1500</td>
<td>56</td>
<td>0</td>
<td>+/-20.40</td>
<td>0.000947</td>
<td>0.146557</td>
<td></td>
</tr>
<tr>
<td>47296</td>
<td>1.21E+11</td>
<td>2015ACS</td>
<td>Block Grou</td>
<td>FL</td>
<td>Monroe</td>
<td>C</td>
<td>12</td>
<td>87</td>
<td>970400</td>
<td>1</td>
<td>420</td>
<td>455</td>
<td>590</td>
<td>700</td>
<td>65</td>
<td>0</td>
<td>+/-36.86</td>
<td>0.0006</td>
<td>0.136261</td>
<td></td>
</tr>
<tr>
<td>47297</td>
<td>1.21E+11</td>
<td>2015ACS</td>
<td>Block Grou</td>
<td>FL</td>
<td>Monroe</td>
<td>C</td>
<td>12</td>
<td>87</td>
<td>970400</td>
<td>2</td>
<td>770</td>
<td>1150</td>
<td>1470</td>
<td>1730</td>
<td>66.47</td>
<td>0</td>
<td>+/-19.31</td>
<td>0.000237</td>
<td>0.085974</td>
<td></td>
</tr>
<tr>
<td>47298</td>
<td>1.21E+11</td>
<td>2015ACS</td>
<td>Block Grou</td>
<td>FL</td>
<td>Monroe</td>
<td>C</td>
<td>12</td>
<td>87</td>
<td>970400</td>
<td>3</td>
<td>255</td>
<td>450</td>
<td>475</td>
<td>850</td>
<td>52.94</td>
<td>0</td>
<td>+/-40.71</td>
<td>7.99E-05</td>
<td>0.042032</td>
<td></td>
</tr>
<tr>
<td>47299</td>
<td>1.21E+11</td>
<td>2015ACS</td>
<td>Block Grou</td>
<td>FL</td>
<td>Monroe</td>
<td>C</td>
<td>12</td>
<td>87</td>
<td>970400</td>
<td>4</td>
<td>290</td>
<td>395</td>
<td>480</td>
<td>705</td>
<td>56.03</td>
<td>0</td>
<td>+/-28.09</td>
<td>0.001243</td>
<td>0.171325</td>
<td></td>
</tr>
</tbody>
</table>