



# FDOT Transportation Alternatives Set-Aside Program

## FUNDING APPLICATION

Submittal Date:

### APPLICANT INFORMATION

<b>Agency/Organization Name:</b>			
<b>Agency Contact Name:</b>		<b>Title:</b>	
<b>Mailing Address:</b>		<b>City:</b>	<b>State: FL    Zip Code:</b>
<b>County:</b>		<b>MPO/TPO (if applicable):</b>	
<b>Telephone:</b>		<b>Email Address:</b>	

### CERTIFICATION OF PROJECT SPONSOR/IMPLEMENTING AGENCY SUPPORT:

Certification of project sponsor/implementing agency support is attached.

Yes (Required)

PROJECT TYPE:  Infrastructure  Non-infrastructure

*FDOT requires locally administered infrastructure projects be implemented by a LAP certified agency; Non-infrastructure projects do not require LAP certification. If the project applicant intends to administer the project but is not LAP certified at the time of application submittal, they may seek project-specific certification prior to project authorization if their application is selected, or they may partner with a LAP certified agency or with FDOT to serve as the project sponsor and implementing agency. Non-profit organizations are not eligible for LAP certification.*

### FOR INFRASTRUCTURE PROJECTS ONLY - APPLICANT'S LOCAL AGENCY PROGRAM (LAP) CERTIFICATION STATUS

- Currently fully LAP Certified / Year of Certification:
- Not LAP Certified but will seek project-specific certification
- Not LAP Certified but project will be administered by the FDOT District
- Not LAP Certified but have secured a LAP Sponsor/Implementing Agency as identified below:

<b>LAP Sponsor/Implementing Agency Name:</b>			
<b>LAP Sponsor/Implementing Agency Contact Name:</b>		<b>Title:</b>	
<b>Mailing Address:</b>		<b>City:</b>	<b>State: FL    Zip Code:</b>
<b>Telephone:</b>		<b>Email Address:</b>	

## PROJECT INFORMATION

### PROJECT NAME/TITLE:

### ELIGIBLE TRANSPORTATION ALTERNATIVES PROJECT CATEGORY:

Please check the one Transportation Alternatives eligible project category that the proposed project will address. Checking more than one category does not ensure or increase eligibility. Additional guidance on eligible project activities is included in Appendix B of the [FDOT TA Program Guidance](#).

1.  Construction, planning and design of on and off-road facilities for bicyclists, pedestrians, and other forms of nonmotorized transportation (pedestrian and bicycle facilities)
2.  Construction, planning and design of infrastructure-related projects/systems to provide safe routes for non-drivers including children, older adults, individuals with disabilities (safe routes for non-drivers)
3.  Conversion and use of abandoned railroad corridors for non-motorized use
4.  Construction of turnouts, overlooks, and viewing areas
5.  Inventory, control or removal of outdoor advertising
6.  Historic preservation and rehabilitation of historic transportation facilities
7.  Vegetation management practices in transportation rights of way
8.  Archaeological activities related to impacts from transportation projects
9.  Environmental mitigation activities
10.  Safe Routes to School

**\*NOTE:** Safe Routes to School (SRTS) funding under Transportation Alternatives is separate from the FDOT SRTS Program; however, if FDOT SRTS Program funds are to be used on any phase of the project then the project will need to comply with the Florida SRTS program requirements. For more information, visit <https://www.fdot.gov/safety/2A-Programs/Safe-Routes.shtm>.

### PROJECT LOCATION:

<b>Roadway name:*</b>		
<input type="checkbox"/> <b>On-State System Road</b> <small>(State Roadway)</small>	<input type="checkbox"/> <b>Off-State System Road</b> <small>(Local Roadway)</small>	<b>Roadway number:</b> <small>(i.e. US, SR, CR, etc., if applicable)</small>

**\*NOTE:** For off-road/trail projects please indicate adjacent roadway

### PROJECT LIMITS:

If project has various locations (e.g. city-wide), include attachments specifying each termini and project length.

<b>South or West Termini:</b> <small>Street Name/Mile Post/Other</small>	<b>North or East Termini:</b> <small>Street Name/Mile Post/Other</small>
<b>Project Length (in miles):</b>	
<b>Attachment included?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>A location map with aerial view is attached to this application.</b> <input type="checkbox"/> Yes (Required) <i>Label important features, roadways, etc. to clearly locate and show the boundaries of the project.</i>	

**PROJECT DESCRIPTION:**

**Brief Description (1,000 character limit)** (e.g. *planning, design and construction of a sidewalk along Sample Road*)

*Detailed Scope of Work:*

A detailed scope of work is attached.

Yes (Required)

*Clearly describe the existing conditions and the proposed project in detail, including specifics on the major items of work (e.g. width of sidewalks or trails, materials to be used, etc.), the purpose and need for this project, and the desired improvements.*

Conceptual or design plans are attached.

Yes  No

Typical Section drawings are attached.

Yes  No

Other attachment (e.g. studies, documentation to support the project).

Yes  No

If yes, please describe (250 character limit):

**PUBLIC INVOLVEMENT(500 character limit for each question below):**

**Has the applicant received input from stakeholders?** Briefly explain:

Yes  No

**Have public information or community meetings been held?**

Yes  No

If yes, please provide a brief description and attach supporting documentation:

**Describe public and private support for the project** (e.g. *petitions, endorsements, resolutions, letters of support*):

**Is the project within limits of wetlands, contamination/hazardous waste areas or endangered/threatened species?**

Yes  No

If Yes, specify and provide documentation:

**Is environmental permitting required?**

Yes  No

If Yes, specify and provide documentation:

**Provide any additional project specific information that should be considered:**

## PROJECT IMPLEMENTATION

**Please indicate the project phases included in this funding request:**

- Planning activities
- Project Development and Environment Study (PD&E)
- Preliminary Engineering/Final Design
- Right-of-Way (ROW)
- Construction
- Construction Engineering and Inspection activities (CEI)

**Please indicate who will execute the project phases identified for this project:\***

Planning	PD&E	Preliminary Engineering/ Final Design	ROW	Construction	CEI
<input type="checkbox"/> Implementing agency staff	N/A	<input type="checkbox"/> Implementing agency staff	N/A	<input type="checkbox"/> Implementing agency staff	<input type="checkbox"/> Implementing agency staff
<input type="checkbox"/> Consultant	<input type="checkbox"/> Consultant	<input type="checkbox"/> Consultant	<input type="checkbox"/> Consultant	<input type="checkbox"/> Consultant	<input type="checkbox"/> Consultant
<input type="checkbox"/> FDOT	<input type="checkbox"/> FDOT	<input type="checkbox"/> FDOT	<input type="checkbox"/> FDOT	<input type="checkbox"/> FDOT	<input type="checkbox"/> FDOT
<input type="checkbox"/> Not applicable	<input type="checkbox"/> Not applicable	<input type="checkbox"/> Not applicable	<input type="checkbox"/> Not applicable	<input type="checkbox"/> Not applicable	<input type="checkbox"/> Not applicable

**\*NOTE:** Local agencies are not eligible to be certified in PD&E and/or ROW (Refer to FDOT LAP Manual Chapters 11 and 12).

Is this project related to other FDOT funded phases that are complete, underway, or in FDOT's 5-year Work Program?

Yes  No

If Yes, please describe. If previous phases of this project were constructed as LAP projects, please provide the associated FDOT Project Number (i.e. FPID/FMN numbers) (500 character limit):

Is there a proposed maintenance plan for when the project is complete?  Yes  No

If yes, please provide a brief description and attach supporting documentation as appropriate (500 character limit):

## PROJECT RIGHT-OF-WAY / EASEMENT REQUIREMENTS

Is right-of-way acquisition proposed?  Yes  No

If yes, describe existing right-of-way (ROW) ownerships along the project, including when the ROW was obtained and how ownership is documented (i.e., plats, deeds, prescriptions, easements) (500 character limit). Attach ROW documentation as appropriate.

Also describe proposed acquisition including timeline, expected fund source, limitations on fund use or availability, and who will acquire and retain ownership of proposed right-of-way (500 character limit):

Will temporary construction easements be required?  Yes  No

If Yes, please describe (500 character limit):

## PROJECT COST ESTIMATE AND FUNDING REQUEST

### ESTIMATED PROJECT COST:

A detailed project cost estimate is attached.

Yes (Required)

*Provide a summary of the estimated cost for the work being proposed, indicating local fund allocation as appropriate.*

Project Phase	TA funds	Local funds	Total Cost
Planning Activities	\$	\$	\$
Project Development & Environmental Study (PD&E)	\$	\$	\$
Design Costs/Plan Preparation	\$	\$	\$
Environmental Assessment (s) associated with the design phase	\$	\$	\$
Permits associated with the design phase (including application fees, mitigation and permit acquisition work)	\$	\$	\$
Right-of-Way	\$	\$	\$
Construction	\$	\$	\$
Construction Engineering and Inspection Activities (CEI)	\$	\$	\$
Other costs* (please describe)	\$	\$	\$
<b>TOTAL ESTIMATED PROJECT COST</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
<b>PERCENT OF TOTAL PROJECT COST</b>			<b>100%</b>

*\*FDOT does not allow programming for contingency costs. Any contingency costs should be accounted for using local funds.*



**FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT VI**  
**2022 TRANSPORTATION ALTERNATIVES APPLICATION CYCLE**  
**FOR FISCAL YEAR 2027/2028**

**PROJECT IMPLEMENTATION**

**1. Design Plans**

- a. Are signed and sealed design plans available for this project?  Yes  No
- b. If yes, are design plans updated to current standards and existing conditions?  Yes  No
1. Specify the date of design plans developed? *Click here to enter text.*
2. Enter the Engineer of Record contact information: *Click here to enter text.*
- c. If no, identify status of design plans:
- No plans
- 30%
- 60%
- 90%
- Other Describe: *Click here to enter text.*

**2. Identify Permits & Certification Requirements**

Respond to applicable permits/ certifications within the project limits

- a) Right of Way Certification needs and status including easements  Yes  No  
*Click here to enter text.*
- b) Utility Certification  Yes  No  
*Click here to enter text.*
- c) Railroad Recertification  Yes  No  
*Click here to enter text.*
- d) South Florida Water Management District Permits  Yes  No  
*Click here to enter text.*
- e) U S Army Corps of Engineers (USACE) Permits  Yes  No  
*Click here to enter text.*
- f) Other Describe  Yes  No  
*Click here to enter text.*

**3. Acquired Permits/ Certifications are attached**

Yes  No

List:

The proposed roadway project will require the following five (5) permits:

**FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT VI  
2022 TRANSPORTATION ALTERNATIVES APPLICATION CYCLE  
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1. Miami-Dade County – Regulatory and Environmental Resources (RER) – Stormwater
2. Miami-Dade County Department of Transportation & Public Works – Traffic Engineering Division
3. Miami-Dade County Fire Department
4. Tree Removal permit (only if required) with Miami-Dade County RER Tree Section
5. Town of Cutler Bay Building Permit



**FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT VI  
2022 TRANSPORTATION ALTERNATIVES APPLICATION CYCLE  
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**PROJECT SCHEDULE**

**Include the following** *as applicable*

1. Consultant(s) acquisition & award (Design & CEI)
2. Contractor acquisition & award
3. Project schedule
4. Production dates
5. Plans preparation
6. FDOT Review submittal (30 days review)
7. Environmental Assessments
8. Permits Acquisition

**Enter project schedule here**

Cutler Bay SW 200th Street and SW 103rd Avenue Roundabout

Task	Start Date	End Date	Duration in Days
<b>Pre-Construction Phase</b>			
Procure Engineering Design Contractor	Completed		
30% Design	10/1/2022	1/29/2023	120
60% Design Complete	1/29/2023	5/29/2023	120
90% Design with Construction Documents Engineer's Estimate of Probable Cost	5/29/2023	8/27/2023	90
Environmental Assessments During Design Phase	10/1/2022	6/8/2023	250
100% Design Complete & Seek FDOT Approval of Design	8/27/2023	2/23/2024	180
Complete LAP RE-Certification (if applicable)	2/23/2024	2/17/2025	360
Permitting	2/17/2025	8/26/2025	190
<b>Construction Phase</b>			
Public Outreach	8/26/2025	5/3/2026	250
Prepare Bid Documents and Seek FDOT Approval to proceed to procurement	5/3/2026	8/31/2026	120
Procure Construction Contractor	8/31/2026	5/3/2027	245
Construction Phase	5/3/2027	5/2/2028	365
Grant Closeout	5/2/2028	7/31/2028	90

**FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT VI**  
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\* If funding is available, the Town is prepared to begin the environmental assessment and construction phase before FY2027/28, upon completing LAP Certification.

**FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT VI**  
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**ENVIRONMENTAL EVALUATION**

Coordination with the Federal Highway Administration and the State Historic Preservation Officer will be required by Section 106 of the National Historic Preservation Act (NEPA)

**1. Has the Local Agency performed an environmental assessment for the project?**  Yes  No

List the environmental assessments performed: An environmental assessment will be performed during the project period. See scope of work from engineering contractor.

**2. Does the Local Agency have a historic preservation planner?**  Yes  No

If yes, provide contact information: The Community Development Director serves as the unofficial historic preservation planner. Jared Munster, Ph.D Community Development Director (305) 234-4262 Jmunster@cutlerbay-fl.gov

**3. Is the project adjacent to a locally designated historic property or a National Register of Historic places-listed historic site?**  Yes  No

If yes, have any historic properties/places received Florida Department of State Historic Preservation Grant funds?

Yes  No

If yes, attach preservation agreements, covenants, or easements to this application.

**4. Are archeological sites or Native American sensitive sites located within proximity to or adjacent to the project?**  Yes  No

If yes, provide a brief description: [Click here to enter text.](#)

**5. Has the Local Agency coordinated with any Federal or State Agencies for this project?**  Yes  No

If yes, provide a brief description and submit supporting documentation: [Click here to enter text.](#)

**6. Are parks, recreation areas or wildlife or waterfowl refuges adjacent or near the project?**  Yes  No

If yes, provide a brief description: [Click here to enter text.](#)

**7. Are there any navigable waterways adjacent or near the project?**  Yes  No

If yes, provide a brief description: [Click here to enter text.](#)

**8. Does the project have any wetland impacts?**  Yes  No

If yes, will wetlands mitigation be needed?

Yes  No

If yes, provide a brief description: [Click here to enter text.](#)

**9. Has the Local Agency reviewed the project for potential protected species/ critical habitat impacts?**  Yes  No

If yes, provide a brief description: A full inspection will be conducted during the environmental risk review.

**10. Has the Local Agency reviewed the project for potential contamination that could affect the area?**  Yes  No

If yes, provide a brief description: The Town does not expect there to be any potential contamination. However, an evaluation will be performed during the project period.

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**11. Are there noise sensitive areas?**

Yes  No

If yes, provide a brief description: This proposed project locations are in residential areas. For this reason, all work will be performed during normal business hours from Monday - Friday to minimize noise disturbance to residents.

**FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT VI**  
**2022 TRANSPORTATION ALTERNATIVES APPLICATION CYCLE**  
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**PROJECT FUNDING**

TRANSPORTATION ALTERNATIVES FUNDS	\$ 362,500
LOCAL FUNDS ALLOCATED	\$ 90,475
<b>TOTAL PROJECT COST</b>	<b>\$ 452,975</b>

PERCENTAGE OF TA FUNDS	80%
PERCENTAGE OF LOCAL CONTRIBUTION	20 %

Note: The percentage of local contribution indicated above will be greater than or equal to the local contribution to the final contract award.

Example A: A 20% local contribution is indicated for a construction project. The local agency was awarded \$1,000,000. The bid amount is \$1,000,000. The awarded amount would be reduced to \$800,000. The local agency would contribute \$200,000.

Example B: A 20% local contribution is indicated for a construction project. The local agency was awarded \$1,000,000. The bid amount is \$1,400,000. The awarded amount would remain \$1,000,000. The local agency would contribute \$400,000.

**1. Describe in detail funding types and commitment funds that will fund the project:**

The Town's match is funded by the People Transportation Program (PTP)

**2. Provide the funding year for each phase(s) of the project:**

Design = FY 2022-2023 and Construction = State FY 2027. If funding is available, the Town is prepared to begin the environmental assessment and construction phase before FY2027/28, upon completing LAP Certification.

**3. Submit a letter from the Local Agency's Budget Office committing Local Funds to the project.**

A copy of the letter is included with this application.

Yes  No

**FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT VI  
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**LOCAL AGENCY BUDGET OFFICE COMMITMENT LETTER**

**Submit a letter from the Local Agency's Budget Office committing Local Funds to the project.**

**Agency must include this form as a cover for the letter.**

The Town of Cutler Bay is submitting two applications through the 2022 Transportation Alternatives Application Cycle for Fiscal Year 2027/2028. 1. Marlin Road Project Improvement Planning Project 2. SW 200th Street and SW 103rd Avenue Roundabout



## Office of the Town Manager

Rafael G. Casals, ICMA-CM, CFM  
Town Manager

February 18, 2022

Stacy Miller  
District VI Secretary  
Florida Department of Transportation  
1000 N.W. 111 Avenue  
Miami, Florida 33172

**Re: Town of Cutler Bay**  
2022 Application Cycle – Transportation Alternatives Program

Dear Ms. Miller,

The Town of Cutler Bay (the "Town") is pleased to join the Florida Department of Transportation ("FDOT") in expanding our mobility options for our residents. The Town requests \$362,500 in the 2022 Transportation Alternatives Program Application Cycle.

Funding from the Transportation Alternatives Program will be used for the project's construction phase. A roundabout at the intersection provides traffic calming in a residential community near a pedestrian bridge commonly used by children and families that attend Cutler Ridge Elementary School or Cutler Ridge Park, one of the Town's most active community parks. The Town is currently in the planning and design phase. Consistent with the Town's design standard for roundabouts, planned improvements include a new roundabout, new concrete sidewalks, ADA ramps, curbs and gutter, relocation of a fire hydrant, utility poles, and drainage improvements, as required.

The Town commits a local match of \$90,475 (20%) to support the pre-construction phase and portions of the construction phase of this project. Funding for this project became available on October 1, 2022. If you have any questions or concerns, please feel free to contact Mr. Alfredo Quintero, Public Works Director, at (305) 234-4262 or at [aquintero@cutlerbay-fl.gov](mailto:aquintero@cutlerbay-fl.gov).

Thank you,

Rafael G. Casals  
Town Manager

**FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT VI**  
**2022 TRANSPORTATION ALTERNATIVES APPLICATION CYCLE**  
**FOR FISCAL YEAR 2027/2028**


**PROJECT SPONSORSHIP CERTIFICATION**

I hereby certify that the proposed project herein described is supported by Town of Cutler Bay (Local Agency, county, state or federal agency, or tribal council) and that said entity will: (1) provide any required funding match; (2) enter into a maintenance agreement with the Florida Department of Transportation (FDOT); (3) comply with the Federal Uniform Relocation Assistance and Acquisition Policies Act for any Right of Way actions required for the project, (4) Comply with Local Agency Program Manual during all phases of the project, (5) comply with the NEPA process prior to construction, which may involve coordination with the State Historic and Preservation Office (SHPO) prior to construction, and (6) support other actions necessary to fully implement the proposed project.

I further certify that the estimated costs are reasonable and understand that Town of Cutler Bay (Local Agency, county, state or federal agency, or tribal council) will bear all expenses in excess of the total cost of the project. Upon notification of project award, I further certify that the aforementioned entity will work with the FDOT to ensure the associated contracts are executed in the fiscal year programmed. Project deferrals are highly discouraged and are subject to fund availability.

**Name (please type or print):** Rafael G. Casals, ICMA-CM, CFM

**Title:** Town Manager

**Signature:**  \_\_\_\_\_

**Date:** 02/18/2022

Signature of person with budget authority  
(i.e., County Administrator, or Public Works Director)



**FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT VI  
2022 TRANSPORTATION ALTERNATIVES APPLICATION CYCLE  
FOR FISCAL YEAR 2027/2028**

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If you have any questions about this application or need assistance, please contact:

**Oscar Camejo**

Miami-Dade Transportation Planning Organization  
Phone: (305) 375-1837  
Email: [Oscar.Camejo@miamidade.gov](mailto:Oscar.Camejo@miamidade.gov)

**Janene Sclafani**

Monroe County  
Phone: (305) 289-2545  
Email: [Sclafani-Janene@MonroeCounty-FL.Gov](mailto:Sclafani-Janene@MonroeCounty-FL.Gov)

**Xiomara Nunez**

Florida Department of Transportation District Six  
Phone: (305) 470-5404  
[xiomara.nunez@dot.state.fl.us](mailto:xiomara.nunez@dot.state.fl.us)

**RESOURCES**

FDOT Local Agency Program Manual

<https://www.fdot.gov/programmanagement/LAP/LAP-TOC.shtm>

FDOT PD&E Manual

<https://www.fdot.gov/environment/pubs/pdeman/pdeman1.shtm>

Basis of Estimates Manual

<http://www.fdot.gov/programmanagement/Estimates/BasisofEstimates/BOEManual/BOEOnline.shtm>

January 24, 2022 (Revised)

## Scope of Work for Design Phase

Town of Cutler Bay  
Department of Public Works  
10720 Caribbean Blvd., Suite 105  
Cutler Bay, FL 33189

ATTN: Mr. Alfredo Quintero  
Director of Public Works

Re: **Traffic Circle – SW 200<sup>th</sup> Street and SW 103<sup>rd</sup> Avenue**

Dear Mr. Quintero,

We appreciate this opportunity to prepare this Proposal for Professional Services for the referenced project. In accordance with our Agreement for Professional Engineering Services, we are submitting our understanding of the Scope of Work and Fee Proposal to provide Professional Consulting Engineering Services in connection with the referenced project.

### SCOPE OF WORK

The scope of work for this project is to provide engineering design, preparation of construction documents, plans processing and permitting (Town of Cutler Bay, FDOT Reviews, and Miami-Dade County Regulatory and Economic Resources (RER)), and provide limited construction phase support services to the Town of Cutler Bay for the construction of a new traffic circle at SW 200<sup>th</sup> Street and SW 103<sup>rd</sup> Avenue.

The design of the circle shall be in accordance with the Intergovernmental Agency Agreement with Miami-Dade County to Perform Traffic Engineering Functions. Design of circle shall drainage improvements, as required, new concrete sidewalks, ADA ramps, curbs and gutter, relocation of fire hydrant and utility poles, landscaping of circle, and permitting with government agencies (RER and Town of Cutler Bay).

Our **Basic Professional Services** will consist of:

- **30% and 90% Submittal** – This phase will consist of a 30% and 90% design submittal including copies of geotechnical reports, topographical survey, utility designates, preparation of base plans, drainage calculations, analysis of the proposed drainage system, design layout of proposed roadway plan and profile, preparation of summary of quantities, pavement marking and signage plans, signage and marking quantities, SWPPP, specifications, and engineer's estimate of probable construction cost. Services provided during this phase including the following:
  - SRS shall prepare and mail out Ballot Notices to each of the four corner (adjacent) property owner. This task shall include preparing a sample sketch of proposed circle, preparation of sample Ballot Notice, meeting with Town for review and approval of the sketch and sample ballot prior to mailing to property owners, preparation of ballot notices to owners, mail notices (certified mail receipt), prepare log of responses, and follow-up meeting with Town.

- Coordinate and attend meetings with Town of Cutler Bay staff and local regulatory agencies including MD-DTPW and RER to establish design guidelines and permit submittal requirements.
- After the initial meeting with Town staff, the first step will be to gather all available data concerning the project site and associated design requirements. This task includes conducting a utility search and identification of existing utilities, existing traffic controls, review roadway designs standards, etc.
- Contract and coordinate with the Surveyor to obtain survey information required for design. The survey will obtain all topography and right of way information within the limits of our project. See attached fee proposal from Hadonne Corp. for additional information.
- Contract and coordinate with a geotechnical test lab to prepare geotechnical report with recommendations for design and to conduct soil borings and percolation tests, as required for roadway and drainage design. See attached fee proposal from Nelco Testing and Engineering Services, Inc. for additional information.
- Contract and coordinate with Landscape Architect to prepare landscaping plans and details. See attached fee proposal from Curtis + Rogers Design Studio, Inc. for additional information.
- Conduct a pre-design field site visit and inspection of existing roadways. This task includes reviewing existing survey information and verifying it with existing field conditions.
- Once the survey, geotechnical and utilities information is gathered, the design base maps (existing conditions) are prepared. The base maps will include all topographical and boundary information, road centerline and right of ways, easements, and existing utilities. The base map shall be prepared in AutoCAD format at a scale of 1 inch = 40 feet or as needed.
- Conduct a drainage study of project area. Drainage calculation will be prepared. Drainage system shall consist of an interconnected exfiltration trench system with no discharge to the canal or water bodies. Analysis will be based on a 5-year return period using the rational method and a minimum time of concentration of 10 minutes. Also, includes a design documentation report.
- Preparation of project title sheet.
- Preparation of general notes sheet.
- Preparation of summary of quantities sheet.
- Preparation of typical cross sections sheet.
- Preparation of paving, grading and drainage plan sheet.
- Preparation of drainage structures section sheets.
- Preparation of summary of drainage structures.
- Preparation of roadway pavement marking and signage.

- Preparation of miscellaneous details sheets.
- Preparation of project specifications. The project final specifications package using format provided by the Town of Cutler Bay and add any Special Provisions and Technical Special provisions incidental to the work to be performed.
- Preparation of engineer's estimate of probable construction cost.
- Submit 30% complete construction documents including, geotechnical reports, topographical survey, drainage calculations report, design of proposed roadway paving, grading and drainage plan, pavement marking and signage plans.
- Submit 90% complete construction documents including finalized drainage calculations report, title sheet, general notes sheet, design of proposed roadway paving, grading and drainage plan, preparation of summary of quantities, pavement marking and signage plans, signage and marking quantities, drainage structures and profiles, typical cross sections, landscaping plans and details, specifications, and engineer's estimate of probable construction cost.
- Submit copies of 90% complete construction documents to Town of Cutler Bay and FDOT/ERC for review and comments.
- **100% Submittal** – will consist of the finalizing construction documents for the project. This work will include the finalizing construction drawings, updating specifications and construction cost estimate. Prepare applications and documentation for approval by regulatory agencies. Services provided during this phase include the following:
  - Progress meeting with Town and County staff to review comments from previous submittal and discuss project and permit requirements.
  - Prepare and process permits applications and documentation for approval.
    - Prepare the Standard Drainage Permit application, report, drainage calculations and supporting documentation for submittal to the RER for permitting the proposed drainage system.
    - Prepare drawings for submittal to Town of Cutler Bay Public Works for review and permitting of the roadway and pavement marking and signage.
  - Submit 100% complete construction documents including project drawings, technical specifications, and copies of approved project drawings, permit applications and approvals.
  - Submit copies of 100% complete construction documents and permit applications to Town of Cutler Bay and RER for their review and approval.
  - Prepare drawings for submittal to FDOT/ERC for review and approval of the roadway and pavement marking and signage.
- **Florida Bonneted Bats** - RS Environmental, Inc. (Environmental Scientist) will provide biologists to fully inspect and examine potential habitat for Florida Bonneted Bats. During the habitat survey, any potential suitable habitat that is encountered will be permanently documented with photographs, appropriate agency forms as needed. Survey will follow the most recent USFWS habitat assessment protocol and the Consultation Key for the Florida Bonneted Bat, Oct. 22, 2019.

- **Bid and Award Phase Services** – will consist of pre-construction support services including attending pre-bid meeting, responding to pre-bid request for information, and review of bids.
  - Attend pre-bid meeting
  - Provide supplemental information and/or clarification of construction documents to prospective bidders during the bid solicitation process.
  - Review bid submittals and attend bid-opening meeting.
  
- **Construction Phase Services** – will consist of limited construction support services including attending pre-construction meeting with City, responding to request for information, and review and approval of shop drawings.
  - Attend pre-construction meeting (1) and prepare minutes for distribution.
  - Review and process shop drawings.
  - Respond to Contractor request for information and clarification of contract documents.
  - Review and recommend Contractor change order requests, if any.
  - Conduct four (4) construction site visits to observe the work in progress.
  - Conduct one final substantial completion site inspection and for completion.

Our Additional Professional Services, if requested by you in writing which are not within the scope of this contract and would be negotiated as per our contract agreement with the Town of Cutler Bay.

- Preparation of traffic studies or warrant studies, if required by MD-DTPW.
- Submitting drawings to MD-DTPW for review and approval.
- Coordinating or attending community meetings.
- Follow up, in-person meetings with residents.
- Environmental engineering and permitting associated with site contamination issues, including testing of soil and ground water for contamination.
- Design of Street Lighting and irrigation.
- Providing construction observation site visits and inspection services.
- Preparation of “As-built” drawings or easement documents.
- Additional construction phase services other than those mentioned above.
- Other professional engineering services as may be requested by you.



**ENGINEERING COST BREAKDOWN**  
**Town of Cutler Bay**  
**SW 200th Street and SW 103rd Avenue**  
**Traffic Circle**

DATE: 1/24/2022

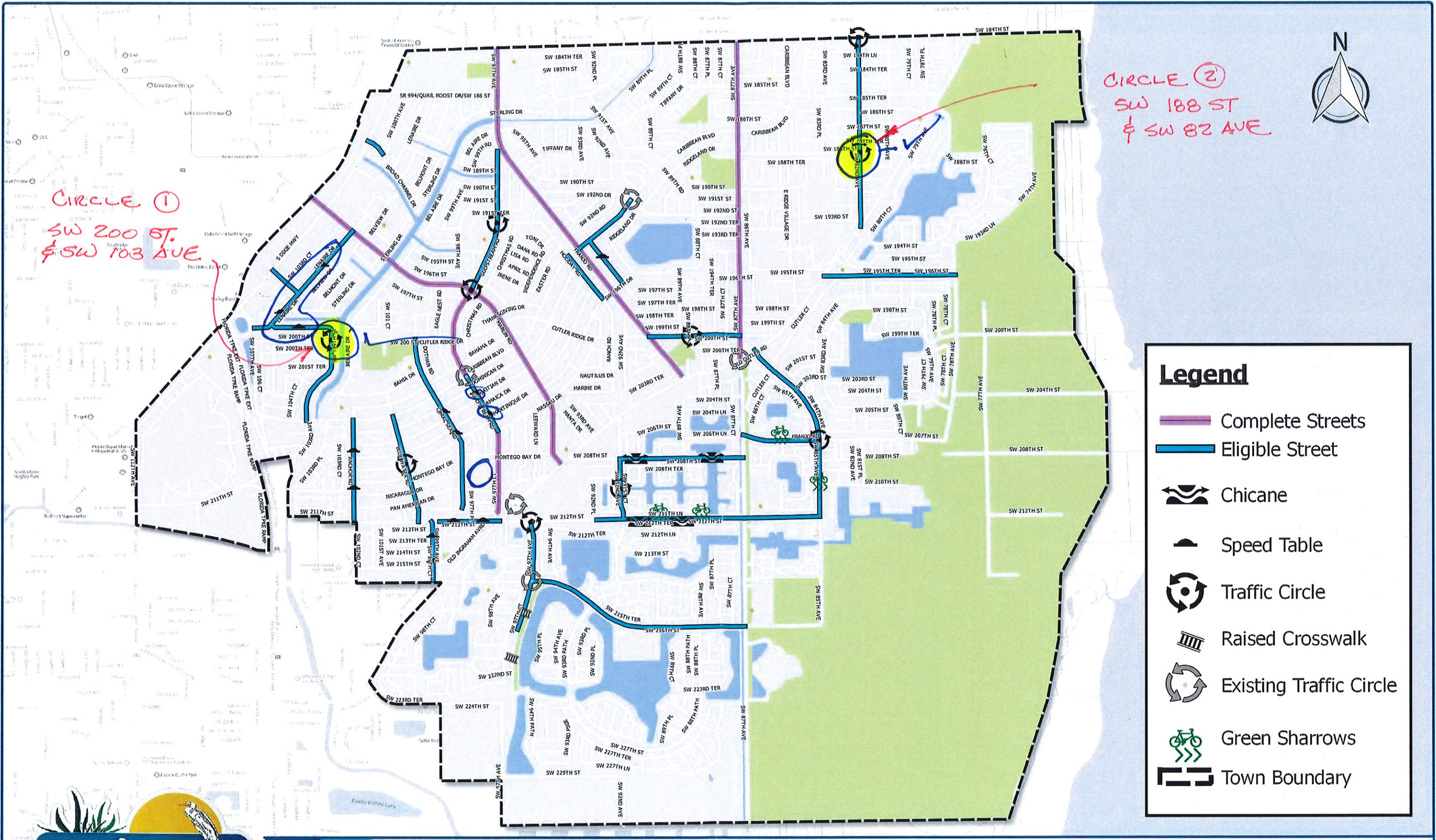
ACTIVITY BY SRS	PRINCIPAL		PROJECT MGR		ENGINEER		CAD TECH		CONST. MGR.		CONST. INSP.		CLERICAL		TOTAL	TOTAL
	HRS	RATE	HRS	RATE	HRS	RATE	HRS	RATE	HRS	RATE	HRS	RATE	HRS	RATE	HOURS	COST
ROADWAY DESIGN		\$230.00		\$185.00		\$120.00		\$95.00		\$116.00		\$86.00		\$65.00		
PROJECT MANAGEMENT & COORDINATION	3	\$230.00	2.0	\$185.00		\$120.00		\$95.00		\$116.00		\$86.00	1	\$65.00	6	\$1,125.00
NOTIFICATIONS TO ADJACENT PROPERTY OWNERS		\$230.00	2.0	\$185.00	2	\$120.00		\$95.00		\$116.00		\$86.00	4	\$65.00	8	\$870.00
FIELD INVESTIGATIONS		\$230.00	2.0	\$185.00	4	\$120.00		\$95.00		\$116.00		\$86.00		\$65.00	6	\$850.00
CONDUCT UTILITY SEARCH		\$230.00		\$185.00	2	\$120.00	4	\$95.00		\$116.00		\$86.00		\$65.00	6	\$620.00
PREPARATION OF BASE PLANS		\$230.00		\$185.00	1	\$120.00	4	\$95.00		\$116.00		\$86.00		\$65.00	5	\$500.00
PREPARE DRAINAGE REPORT & CALCULATIONS		\$230.00	1.0	\$185.00	4	\$120.00		\$95.00		\$116.00		\$86.00		\$65.00	5	\$665.00
TYPICAL CROSS SECTIONS		\$230.00	0.5	\$185.00	4	\$120.00	4	\$95.00		\$116.00		\$86.00		\$65.00	9	\$952.50
PAVING, GRADING, AND DRAINAGE PLAN		\$230.00	0.5	\$185.00	8	\$120.00	8	\$95.00		\$116.00		\$86.00		\$65.00	17	\$1,812.50
DRAINAGE STRUCTURE AND DETAILS		\$230.00	0.5	\$185.00	4	\$120.00	4	\$95.00		\$116.00		\$86.00		\$65.00	9	\$952.50
PAVEMENT MARKING AND SIGNAGE GEN. NOTES, QUANTITIES AND MISC. DETAILS		\$230.00	0.5	\$185.00	2	\$120.00	8	\$95.00		\$116.00		\$86.00		\$65.00	11	\$1,092.50
PREPARE CONSTRUCTION COST ESTIMATES		\$230.00	0.5	\$185.00	4	\$120.00	2	\$95.00		\$116.00		\$86.00		\$65.00	7	\$762.50
PREPARE TECHNICAL SPECIFICATIONS		\$230.00	1.0	\$185.00	8	\$120.00		\$95.00		\$116.00		\$86.00	1	\$65.00	10	\$1,210.00
PREPARE 90% DESIGN PLAN SUBMITTAL	2	\$230.00	3.0	\$185.00	2	\$120.00	1	\$95.00		\$116.00		\$86.00	1	\$65.00	9	\$1,415.00
SUBMIT TO TOWN & RER OF REVIEW AND COMMENTS	2	\$230.00	6.0	\$185.00	6	\$120.00	3	\$95.00		\$116.00		\$86.00		\$65.00	17	\$2,575.00
SUBMIT TO FDOT/LAP FOR REVIEW AND COMMENTS	2	\$230.00	6.0	\$185.00	6	\$120.00	3	\$95.00		\$116.00		\$86.00		\$65.00	17	\$2,575.00
PREPARE 100% DESIGN PLAN SUBMITTAL	2	\$230.00	4.0	\$185.00	2	\$120.00	2	\$95.00		\$116.00		\$86.00	1	\$65.00	11	\$1,695.00
BID PHASE SERVICES		\$230.00	4.0	\$185.00	3	\$120.00		\$95.00		\$116.00		\$86.00		\$65.00	7	\$1,100.00
CONSTRUCTION PHASE SERVICES		\$230.00	6.0	\$185.00	24	\$120.00		\$95.00		\$116.00		\$86.00		\$65.00	30	\$3,990.00
<b>TOTAL</b>	<b>11</b>	<b>\$230.00</b>	<b>40</b>	<b>\$185.00</b>	<b>90</b>	<b>\$120.00</b>	<b>49</b>	<b>\$95.00</b>	<b>0</b>	<b>\$116.00</b>	<b>0</b>	<b>\$86.00</b>	<b>8</b>	<b>\$65.00</b>	<b>198</b>	<b>\$25,905.00</b>

ACTIVITY BY OTHERS	DESCRIPTION	COST
HADONNE CORP.	TOPOGRAPHICAL SURVEY	\$5,110.00
NELCO	GEOTECHNICAL REPORT AND TESTING	\$1,300.00
CURTIS + ROGERS DESIGN STUDIO, INC.	LANDSCAPE ARCHITECTURE	\$5,420.00
RS ENVIRONMENTAL, INC.	FLORIDA BONNETED BAT SURVEY	\$1,200.00
<b>TOTAL =</b>		<b>TOTAL = \$13,030.00</b>

SUMMARY










ACTIVITIES BY SRS (Salaries)	\$25,905	X	1.00	\$25,905.00
ACTIVITIES BY OTHERS				\$13,030.00
Estimated OUT OF POCKET EXPENSES including reproduction costs, etc.				\$40.00
<b>TOTAL THIS PROPOSAL =</b>				<b>\$38,975.00</b>





CIRCLE ②  
SW 188 ST  
& SW 82 AVE

CIRCLE ①  
SW 200 ST  
& SW 103 AVE

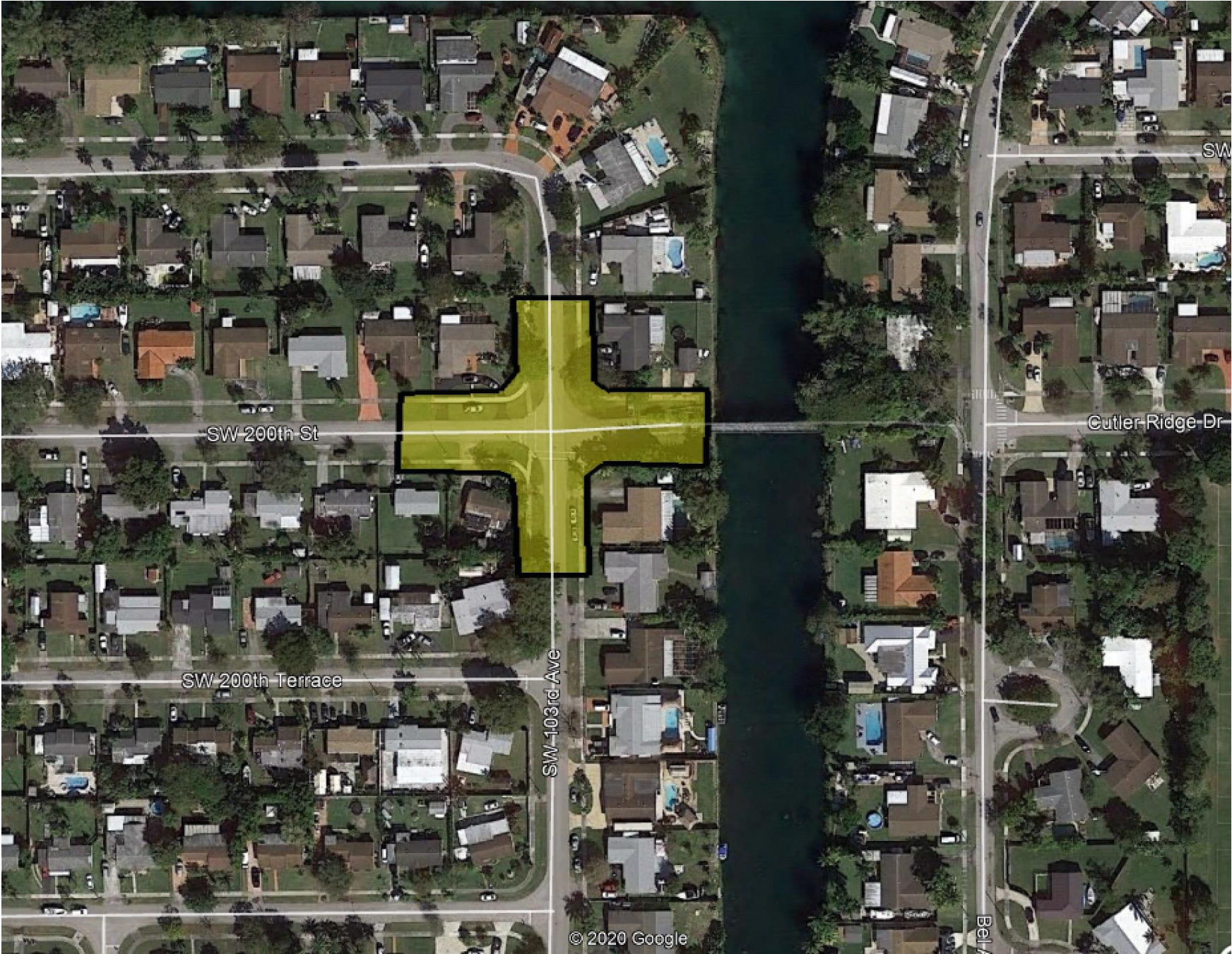
- ### Legend
-  Complete Streets
  -  Eligible Street
  -  Chicane
  -  Speed Table
  -  Traffic Circle
  -  Raised Crosswalk
  -  Existing Traffic Circle
  -  Green Sharrows
  -  Town Boundary



TOWN-WIDE TRAFFIC CALMING MASTER PLAN  
**FIGURE 8 : RECOMMENDED TRAFFIC CALMING PLAN**



EXHIBIT "A"





**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST**

**ROADWAY AND DRAINAGE IMPROVEMENTS  
TRAFFIC CIRCLE**



5001 S.W. 74 Court Suite 201  
Miami, Florida 33155  
Tel: (305) 662-8887  
Fax: (305) 662-8858

February 9, 2022

**Cost Estimate**

Pay Item No.	Description	Quantity	Unit Measure	Unit Price	Total
<b>ROADWAY</b>					
001	AS BUILT	1	LS	\$6,000.00	\$6,000.00
101-1	MOBILIZATION	1	LS	\$5,587.68	\$5,587.68
102-1	MAINTENANCE OF TRAFFIC	1/90	LS/DA	\$524.13	\$23,585.85
104-18	INLET PROTECTION SYSTEM	8	EA	\$100.54	\$804.32
110-1-1	CLEARING AND GRUBBING	1/0.6	LS/AC	\$10,000.00	\$6,000.00
110-4-10	REMOVAL OF EXISTING CONCRETE	500	CY	\$16.45	\$8,225.00
120-1	REGULAR EXCAVATION	1,100	CY	\$15.21	\$16,731.00
160-4	TYPE B STABILIZATION	1,645	SY	\$2.53	\$4,161.85
285-706	LIMEROCK BASE (8") (OPTIONAL BASE, BASE GROUP 06)	1,645	SY	\$24.73	\$40,680.85
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C (SP-9.5) (1")	75	TN	\$106.10	\$7,957.50
337-7-82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5 (1")	75	TN	\$132.58	\$9,943.50
425-2-41B	MANHOLE (TYPE P-7) < 10'	4	EA	\$4,000.00	\$16,000.00
425-1-361	INLETS (CURB TYPE P-6) (= < 10)	8	EA	\$4,700.14	\$37,601.12
430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	160	LF	\$69.13	\$11,060.80
443-70-4	EXFILTRATION DRAIN (24")	150	LF	\$149.73	\$22,459.50
520-1-10	CONCRETE CURB AND GUTTER (TYPE "F")	640	LF	\$22.01	\$14,086.40
520-2-4	CONCRETE CURB, TYPE D	400	LF	\$25.28	\$10,112.00
520-2-8	CONCRETE CURB, TYPE RA	130	LF	\$25.00	\$3,250.00
522-2	CONCRETE SIDEWALK (6" THICK) (INCLUDES DRIVEWAYS) + 10%	465	SY	\$53.05	\$24,668.25
527-2	DETECTABLE WARNINGS	180	SF	\$22.43	\$4,037.40
575-1-1	PERFORMANCE TURF, SOD	999.0	SY	\$2.76	\$2,757.24
	LANDSCAPING	1	LS	\$10,000.00	\$10,000.00
	UTILITY ADJUST	1	LS	\$5,000.00	\$5,000.00
<b>SUBTOTAL ROADWAY</b>					<b>\$290,710.26</b>
<b>PAVEMENT MARKING AND SIGNALIZATION</b>					
710-11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	0.40	GM	\$768.24	\$307.30
	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	0.02	GM	\$1,112.97	\$22.26
710-11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	192	LF	\$0.23	\$44.16
710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	160	LF	\$0.91	\$145.60
710-11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	0.22	GM	\$746.99	\$164.34
711-1-11	SIGN (PANEL ONLY)	48	EA	\$30.00	\$1,440.00
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	32	AS	\$362.16	\$11,589.12
706-1-1	RAISED PAVEMENT MARKER, TYPE B WITHOUT FINAL SURFACE MARKINGS (W/R)	8	EA	\$4.58	\$36.64
706-1-1	RAISED PAVEMENT MARKER, TYPE B WITHOUT FINAL SURFACE MARKINGS (Y/Y)	300	EA	\$4.58	\$1,374.00
706-1-1	RAISED PAVEMENT MARKER, TYPE B WITHOUT FINAL SURFACE MARKINGS (BLUE)	1	EA	\$4.58	\$4.58
711-11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	0.02	GM	\$5,615.88	\$112.32
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	192	LF	\$1.59	\$305.28
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	160	LF	\$3.36	\$537.60
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	0.40	GM	\$3,944.64	\$1,577.86
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	0.22	GM	\$3,953.91	\$869.86
<b>SUBTOTAL SIGNALIZATION</b>					<b>\$18,530.91</b>
<b>SUBTOTAL GENERAL</b>					<b>\$309,241.17</b>
	PROJECT SIGN	2	EA	\$450.00	\$900.00
	CONTINGENCY FUND (15% OF SUBTOTAL GENERAL)	1	LS	\$46,386.17	\$46,386.17
	BOND & INSURANCE FUND (2% OF SUBTOTAL GENERAL)	1	LS	\$6,184.82	\$6,184.82
<b>TOTAL CONSTRUCTION</b>					<b>\$362,712.16</b>



# TOWN OF CUTLER BAY

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## TOWNWIDE TRAFFIC CALMING MASTER PLAN



JANUARY 2018

**Town of Cutler Bay**

**PREPARED BY:**

MARLIN Engineering, Inc. | 1700 NW 66TH Ave, Plantation, FL 33313 | [www.marlinengineering.com](http://www.marlinengineering.com)

**MARLIN**



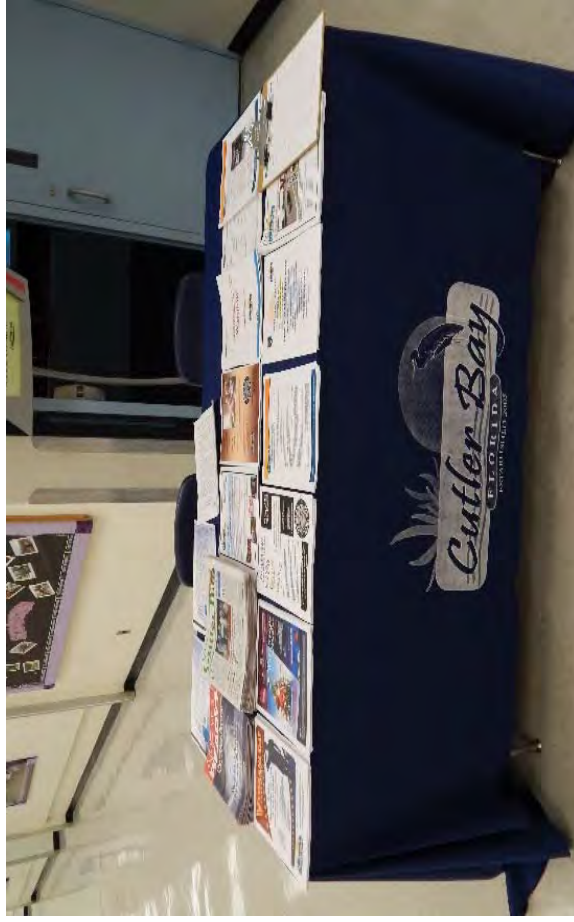
the agenda were mailed to residents in advance of the meeting. In addition, the meeting notice placed on the Town website. The following public feedback alternatives were available for the residents:

- Public Meetings
- Comment Cards
- Online Surveys
- E-mails



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designated zones. During those meetings, residents were able to interact with the staff of engineers from MARLIN and get direct feedback on the plan and status of the study. The Zone 1 meeting was held on September 28, 2016, Zone 2 met on October 26, 2016 and Zone 3 met on November 10, 2016. A final workshop was held on May 23, 2017 which included all the zones within the study area, to gather additional input. The Public Involvement Flyers are provided in **Appendix A.**



The Town of Cutler bay with the support of MARLIN conducted five public meetings. However we have found, the most significant input was received through the “Kick-off” and “Public Workshops”. The Kick-off meeting was the first meeting, and included residents from all three zones. This meeting took place on September 8, 2016 after the kick-off meeting, the Town also organized individual meeting for each of the

### 2.2.1 Kick-Off Meeting

During the Kick-off meeting, the Town and MARLIN staff discussed to the residents the traffic calming process, eligibility and minimum threshold requirements. MARLIN staff also explained the data collection and initial analysis process steps and provided projections as to which streets may be considered for traffic calming. It was also



explained that the results of the data collection and initial analysis will show if the streets meet the criteria for traffic calming. PowerPoint (Kick-off meeting) and meeting photos taken during the workshops are included in **Appendix B**.



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- On SW 103 Avenue and SW 104 Court at Caribbean Blvd, it is difficult to make a left to go east on Caribbean Blvd.
- A traffic light with left-turn arrow is needed for SW 87th Avenue and SW 185 Street.
- Vehicles are speeding in our residential neighborhood on SW 92 Avenue between SW 212 Street and SW 216 Street (Speed Hump needed).



- The speed limit along SW 92 Avenue and SW 206 Street needs to be reduced from 30 mph to 20 or 25 mph.
- I live at Jamaica Drive and Anchor Road. I have observed vehicles on occasion, travelling between SW 212 Street and Caribbean Blvd on Anchor Road at a high rate of speed

### 2.2.2 Public Workshops

During the workshops, MARLIN was able to collect more than 200 resident concerns. Accompanying these concerns were alternative feedback comments provided by the residents on how to address these concerns. Some of the concerns and traffic issues mentioned by the residents included:

- A “No left-turn” sign is needed on Old Cutler Road at SW 185 Terrace and a stop for pedestrian on all approaches.

