



DANIELLA LEVINE CAVA  
MAYOR  
MIAMI-DADE COUNTY

February 19, 2021

Mr. Oscar Camejo  
Transportation Alternatives Coordinator  
Miami-Dade Transportation Planning Organization  
150 West Flagler Street, Suite 1900  
Miami, FL 33130

RE: Ludlam Trail West Flagler Street Trail Overpass

Dear Mr. Camejo:

Please accept this letter in support of Miami-Dade County Parks, Recreation and Open Spaces (PROS) Department's application to the Miami-Dade Transportation Planning Organization (TPO) and the Florida Department of Transportation (FDOT) for funding from the Transportation Alternatives (TA) program 2020 cycle. The application titled *Ludlam Trail West Flagler Street Trail Overpass* is requesting funding to provide critical infrastructure to allow for seamless connectivity and increased safety along the Ludlam Trail for Miami-Dade County residents.

This proposal seeks funding for the construction phase of a non-motorized use bridge overpass over the West Flagler Street right-of-way located west of SW 69th Avenue, along the Ludlam Trail Corridor. The bridge will be designed and constructed to meet all applicable FDOT, American Association of State Highway and Transportation Officials (AASHTO), federal, state, and local regulations.

The complete Ludlam Trail project from a regional perspective, will connect to the Metrorail Dadeland North Station to the south, the proposed SMART Plan Corridor #2 (East-West Corridor) near NW 7<sup>th</sup> Street to the north, and to other planned trails including the Underline/ East Coast Greenway, Snapper Creek Trail, East/West Trail and Merrick Trail. In addition, the multi-use trail is a priority of the TPO as demonstrated in their 2045 Long Range Transportation Plan (LRTP) and 2020 Transportation Improvement Program (TIP). This evidence of regional significance highlights the importance of the proposed project.

Thank you in advance for your consideration of this application, for this significant project for Miami-Dade County.

Sincerely,

A handwritten signature in black ink, appearing to read "Jimmy Morales", is written over a horizontal line.

Jimmy Morales  
Chief Operations Officer



## FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT VI

TRANSPORTATION ALTERNATIVES  
APPLICATION FOR FISCAL YEAR 2026/2027

### 2021 Application Cycle

#### A. APPLICANT INFORMATION

<b>AGENCY (Local Agency PROJECT SPONSOR):</b> Miami-Dade County Parks, Recreation and Open Spaces Dept. (PROS)	
<b>APPLICATION CONTACT PERSON:</b> Dorothy Mills-Mayers	<b>TITLE:</b> Grants Supervisor
<b>ADDRESS:</b> 275 NW 2nd Street, Fifth Floor	<b>CITY / STATE / ZIP:</b> Miami, FL, 33128
<b>PHONE:</b> 305-755-7856	<b>EMAIL:</b> dorothea.mills-mayers@miamidade.gov
<b>PROJECT SPONSOR'S LOCAL AGENCY PROGRAM (LAP) CERTIFICATION STATUS</b> <sup>1</sup> Select one response	

- ☒ Full Certification: August 28, 2020 Responsible Charge: Alice N. Bravo, P.E.  
Phone: (786) 469-5406
- ☐ Project Specific Certification: Not Applicable Responsible Charge: Not Applicable  
Phone: Not Applicable
- ☐ Not Certified, Local Agency has attached a Certification Schedule \*
- ☐ Not Certified, Local Agency does not have a Certification Schedule\*

#### B. PROJECT INFORMATION

<b>PROJECT TITLE:</b> Ludlam Trail West Flagler Street Trail Overpass
<b>PROJECT LOCATION:</b> West Flagler Street / West of SW 69th Avenue and East of SW 71st Avenue
<b>ROADWAY NAME AND/OR NUMBER:</b> West Flagler Street / State Road 968
<b>PURPOSE OF PROJECT:</b> To construct a shared use bridge overpass across West Flagler Street Florida Department of Transportation (FDOT) right-of-way. The purpose of the project is to provide a continuous safe route for non-motorized use in a north/south direction along the Ludlam Trail. High roadway volumes coupled with adjacent driveways and a close signalized intersection requires an above-grade crossing to ensure trail user safety.
<b>PROJECT BRIEF DESCRIPTION:</b> This funding request is specific to the construction phase of the shared use trail overpass bridge across West Flagler Street FDOT right-of-way, located west of SW 69th Avenue, along the Ludlam Trail Corridor. The proposed bridge will span approximately 100 LF. The approach ramps on each side of the bridge are approximately 500-600 LF long. Elevator and stairs are planned to be included for accessibility.

**Note:** All questions on the application must have a response. Failure to respond to all questions will result in a disqualification of the application. Should you feel that a question is not applicable to your project, please respond "not applicable."

FOR FDOT USE ONLY		
Application Complete	<input type="checkbox"/> YES	<input type="checkbox"/> NO

<sup>1</sup> All Agencies shall be certified according to the Local Agency Program Manual Chapter 2, for more details contact the Local Programs office at (305) 470-5141  
[https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/lap/manual/final-ch2-20190319.pdf?sfvrsn=a03958a9\\_2](https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/lap/manual/final-ch2-20190319.pdf?sfvrsn=a03958a9_2)

Project Eligible	<input type="checkbox"/> YES	<input type="checkbox"/> NO
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## C. TA QUALIFYING ACTIVITIES - PROJECT CRITERIA

Select the Transportation Alternative activity that the proposed project will address. Please select one activity that represents most of the work proposed. Eligible activities must be consistent with details described under 23 U.S.C. 101(a) (29) and 213(b). (Note: selecting more than one activity does not ensure or increase eligibility.)

1. ☒ Construction of on-road and off-road trail facilities for pedestrians, bicyclists, and other non-motorized forms of transportation, including sidewalks, bicycle infrastructure, pedestrian and bicycle signals, traffic calming techniques, lighting and other safety - related infrastructure, and transportation projects to achieve compliance with the Americans with Disabilities Act of 1990
2. ☐ Construction, planning, and design of infrastructure-related projects and systems that will provide safe routes or for non-drivers, including children, older adults, and individuals with disabilities to access daily needs
3. ☐ Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other non-motorized Transportation users
4. ☐ Construction of turnouts, overlooks, and viewing areas
5. ☐ Community improvement activities, which include but are not limited to:
  - a) ☐ Inventory, control, or removal of outdoor advertising
  - b) ☐ Historic preservation and rehabilitation of historic transportation facilities
  - c) ☐ Vegetation management practices in transportation rights-of-way to improve roadway safety, prevent against invasive species, and provide erosion control
  - d) ☐ Archaeological activities relating to impacts from implementation of a transportation project eligible under Title 23
6. ☐ Any environmental mitigation activity, including pollution prevention and pollution abatement activities and mitigation to:
  - a) ☐ Address storm water management, control, and water pollution prevention or abatement related to highway construction or due to highway runoff, including activities described in sections 133(b) (11), 328(a), and 329 of Title 23; or
  - b) ☐ Reduce vehicle-caused wildlife mortality or restore and maintain connectivity among terrestrial or aquatic habitats
7. ☐ SRTS program-eligible projects and activities listed in section 1404(f) of the SAFETEA-LU:
  - a) ☐ Infrastructure-related projects
  - b) ☐ Non-infrastructure-related projects
  - c) ☐ Safe Routes to School Coordinator
8. ☐ Planning, designing, and constructing boulevards<sup>2</sup> and other roadways largely in the Right-of-Way of former Interstate System routes or other divided highways
9. ☐ Recreational trails program<sup>3</sup>

<sup>2</sup> A boulevard is defined as a walkable, low speed (35 mph or less) divided arterial thoroughfare in urban environments designed to carry both through and local traffic, pedestrians and bicyclists. Boulevards may be long corridors, typically four lanes but sometimes wider, serve longer trips, provide pedestrian access to land, may be high ridership transit corridors, are primary emergency response routes and use vehicular and pedestrian access management techniques. Curb parking is encouraged.

<sup>3</sup> [https://www.fhwa.dot.gov/environment/transportation\\_alternatives/guidance/guidance\\_2016.cfm#RecreationalTrails](https://www.fhwa.dot.gov/environment/transportation_alternatives/guidance/guidance_2016.cfm#RecreationalTrails)



## D. PROJECT DETAILS

### 1. Roadway Classification:

☒ State Roadway
 ☐ Federal Aid Roadway
 ☐ Local Roadway
 ☐ Other

### 2. Project Termini:

**Begin:** Approximately 600 LF south of West Flagler St.

**End:** Approximately 500 LF north of West Flagler St

**Project Length:** Approximately 1,200 LF

If the project has various locations, include an attachment specifying each termini and project length.

Attachment included? ☒ Yes ☐ No

### 3. Location maps and aerals are attached: REQUIRED

☒ Yes ☐ No

**4. Provide the Scope of Work:** The scope of work for this application is specific to the construction phase of a bicycle and pedestrian bridge structure for non-motorized use over the Florida Department of Transportation (FDOT) West Flagler Street (SR 968) right-of-way between SW 69th and 70th Avenues. The project includes approach ramps, elevators, and stairs, and at-grade connections to West Flagler Street. The complete project will include planning, design, permitting, and procurement to prepare for the construction phase. The purpose of the bridge is to provide safe, uninterrupted connectivity for Ludlam Trail users across West Flagler Street. The bridge structure, approach ramps, elevators and stairs will be designed and constructed to meet all applicable FDOT, American Association of State Highway and Transportation Officials (AASHTO), federal, state, and local regulations and accommodate all people as required by ADAAG. The bridge structure over West Flagler Street is expected to measure approximately 23.1' wide by 100' long with a vertical height clearance of 17.5'. Based on preliminary plans the approach ramp on the south side of West Flagler Street is anticipated to measure approximately 23.1' wide by 627' long and the approach ramp on the north side is anticipated to measure approximately 23.1 wide x 525' long. Major work elements of the bridge structure are anticipated to include Maintenance of Traffic, excavation, remediation, foundations, columns, beams, deck, MSE walls, parapet railings with full screen enclosure, expansion joints, drainage collection/disposal, lightning protection, architectural enhancements, electrical and safety features, elevators, and stairs. Consultant firms will be procured to carry out the following professional services: planning, survey, geotechnical, environmental including the National Environmental Policy Act (NEPA) re-evaluation, design development, structural, Construction Engineering and Inspection (CEI), public outreach as needed, and other disciplines as required.

A detailed scope of work is attached ☐ Yes ☒ No  
 Conceptual plans are attached ☒ Yes ☐ No  
 Typical section drawings are attached ☒ Yes ☐ No

**5. Identify the project stakeholders:** Project stakeholders include PROS, FDOT, Miami-Dade Transportation Planning Organization (TPO), and Miami-Dade County Department of Transportation and Public Works (DTPW), City of Miami, and the general public.

Has the Local Agency received input from stakeholders? ☒ Yes ☐ No

Briefly explain PROS actively collaborates with FDOT and the TPO for all phases of the Ludlam Trail project. PROS has been awarded approximately \$22 M via FDOT for the planning, design, acquisition, and construction phases of the project. PROS has partnered with DTPW Engineering staff to incorporate the staff's expertise into the preliminary scoping for the bridge, inspections, and maintenance. A Ludlam Trail Corridor Project Development and Environment (PD&E) Study is ongoing. Recently on November 19, 2020 Public Information Meeting (PIM) was held which provided an overview of the project and PD&E findings to the public.

**6. Has the Local Agency performed public awareness activities or held community meetings?** ☒ Yes ☐ No



If yes, provide a brief description and attach supporting documentation: On November 19, 2020, a PIM was held for Ludlam Trail Corridor which included a virtual presentation of the trail preliminary design and PD&E findings. There were 624 registrants and 421 attendees that participated in the 2-hour event. Over 290 comments, questions and suggestions were submitted. A public hearing for the project will be scheduled in Spring of 2021. Please see summary of PIM here: <https://www.miamidade.gov/parks/library/ludlam-trail-meeting-summary.pdf>. In 2018 a charrette process was completed where PROS, FECI, and Friends of the Ludlam Trail (FOLT) engaged citizens, designers, developers, county staff and officials in intensive planning sessions which resulted in a community supported vision of the corridor which was codified by the Comprehensive Development Master Plan (CDMP) amendment.

**7. Is there public and/or private support for the project?**

☒ Yes ☐ No

If yes, provide a brief description and attach supporting documentation (e.g. petitions, written endorsements, resolutions, letters of support, etc.): On November 19, 2020, a PIM was held for Ludlam Trail Corridor which included a virtual presentation of the Trail preliminary design and PD&E findings. There were 624 registrants and 421 attendees that participated in the 2-hour event. PIM included virtual polling in which the public demonstrated clear support for the project and the preliminary design. Project includes partnerships with three private developers for mixed use projects within the corridor which includes an easement for construction and maintenance for the trail. Broad-based public support for the Ludlam Trail is demonstrated by the community organization FOLT. Information regarding FOLT may be viewed on their website, <http://www.ludlamtrail.org> or their Facebook page at <https://www.facebook.com/LudlamTrail/>. FOLT is highly supportive of the re-development of the Ludlam Trail and has hosted over 20 events. Public support was also evidenced by Miami-Dade residents' engagement in the 2018 Ludlam Trail acquisition hearing where the majority of public comments were in support of the trail. Additionally, public support is signified by the trail's implementation into multiple Miami-Dade County plans, greenway transportation networks, resolutions (MDC R-939-18), and ordinances (MDC # 18-107 and MDC #17-91).

**E. PROJECT IMPLEMENTATION PLAN**

**1. Select the project phase(s) the local agency is applying for in this application:**

- |   |   |
|---|---|
| <input type="checkbox"/> Planning Activities                  | <input type="checkbox"/> Project Development & Environment <sup>4</sup> |
| <input type="checkbox"/> Preliminary Engineering/Final Design | <input type="checkbox"/> Right of Way <sup>5</sup>                      |
| <input checked="" type="checkbox"/> Construction              | <input type="checkbox"/> Construction Engineering & Inspection (CEI)    |

*NOTE: Local agencies are not eligible to be certified in PD&E and/or ROW; therefore, funds cannot be requested to self-administer PD&E and/or ROW phase (s).*

**2. Select who will execute the project phase (s) identified in the question above. Check all applicable boxes:**

PLANNING	PD&E	DESIGN	ROW	CONSTRUCTION	CEI
<input type="checkbox"/> Local Agency Staff	<input type="checkbox"/> FDOT	<input checked="" type="checkbox"/> Local Agency Staff	<input type="checkbox"/> FDOT	<input checked="" type="checkbox"/> Contractor	<input checked="" type="checkbox"/> Local Agency Staff <sup>6</sup>
<input type="checkbox"/> Consultant	<input checked="" type="checkbox"/> Not Applicable	<input type="checkbox"/> Consultant	<input checked="" type="checkbox"/> Not Applicable	<input type="checkbox"/> FDOT	<input type="checkbox"/> Consultant
<input checked="" type="checkbox"/> Not Applicable		<input type="checkbox"/> FDOT		<input type="checkbox"/> Not Applicable	<input type="checkbox"/> FDOT
		<input type="checkbox"/> Not Applicable			<input type="checkbox"/> Not Applicable

*Note: Chapter 337.14 Florida Statutes was amended by HB 905, effective July 1, 2019 prohibiting an entity from performing both design services and construction engineering and inspection services for a project wholly or partially funded by the Department of Transportation and administered by a local governmental entity.*

**3. Is this project related to other FDOT funded phase(s) that are complete, underway or in FDOT's 5-year Work Program?**

☒ Yes ☐ No

If yes, provide the associated 11-digit Financial Management number(s): EDTF 2016 and 2017 for Acquisition: FM Nos. 416660-2-48-01, 416660-2-48-02, State Appropriations for Acquisition: FM No. 416660-5-48-01, SUN Trail funds for Ludlam Trail Corridor Segment A Phase II Construction: FM No. 416660-4-58-01, Federal Earmark for Design: FM No.

<sup>4</sup> Refer to LAP Manual Chapter 11

<sup>5</sup> Refer to LAP Manual Chapter 12

<sup>6</sup> Work done by local agency staff requires prior FDOT approval in any phase identified

416660-1-38-01, Federal Earmark for Planning Study: FM No. 416660-3-18-01, Federal Earmark for Preliminary Engineering: FM No. 416660-1-28-01, TAP funds for Ludlam Trail Segment B Phase I Design: FM No. 416660-6-38-01, and TAP funds for Ludlam Trailhead and Access Improvements at A.D. Barnes Park: FM No. 446059-1-38-01, Ludlam Trail Bridge Overpass at SW 40th Street (Bird Road) - Construction Phase: FM No. 447967-1

**4. Are signed and sealed design plans available for the project associated with this application?** ☐ Yes ☒ No

- a. 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 Engineer of Record contact information: [Click here to enter text.](#)
- b. If no, identify status of design plans
- ☐ No plans
  - ☐ 30%
  - ☐ 60%
  - ☐ 90%
  - ☒ Other Describe: 15%

**5. Attach a project schedule** (dates may be tentative)[Click here to enter text.](#)

Include (as applicable):

- |  |   |                             |
|--|---|-----------------------------|
| Consultant acquisition & award                             | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Contractor acquisition & award                             | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Project schedule and production dates                      | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Plans preparation & review submittal (FDOT 30 days review) | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Environmental Assessments                                  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Permit Acquisition   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

**6. Identify permits required:** Anticipated required permits include a dry run permit from the Miami-Dade County Department of Regulatory and Economic Resources (RER) which may include Structural, Zoning, Building, Electrical, Mechanical, and Fire reviews and approvals. Environmental permits include Miami-Dade County Environmental Resources Management (DERM) approvals, which may include the following: Soils Management Plan, Health and Safety Plan, Dust Control Plan, Air Monitoring Plan, and Groundwater Assessment. PROS anticipate the modification of the DERM Class VI drainage permit and modification of the South Florida Water Management District (SFWMD) Environmental Resource Permit. If dewatering is required as part of the final plans for foundation construction, a DERM Class V dewatering permit would be required and SFWMD Consumptive Use Permit may also be required. PROS may require reviews from DTPW and the Florida Department of Environmental Protection (FDEP). Additionally, PROS will actively work with FDOT for any permits required for the project.

Copies of permits are attached to this application ☐ Yes ☒ No

**7. Is a maintenance plan proposed?** ☒ Yes ☐ No

Describe: Based on current maintenance of similar pedestrian bridge structures within PROS' inventory, responsibilities may include sweeping the bridge deck, providing litter removal services, providing maintenance services, and removing graffiti, as needed. Additionally, PROS anticipate entering into a Memorandum of Understanding with DTPW for services including inspections as well as bridge structure and substructure maintenance. Maintenance of all proposed elements will be accounted for in PROS annual budget. Once construction of the bridge is completed, annual operational and maintenance costs are expected to be approximately \$10,000 to address the maintenance needs of the bridge, stairs, and elevators.



**8. Attach documents requested as exhibits to this application. List exhibits:** Exhibit D3-A Location Map, D3-B Aerial Map, D4-A Conceptual Plans, D4-B Typical Section, Exhibit D4-C Typical Elevation, Exhibit D7 Public /Private Support, Exhibit E5 Project Schedule, Exhibit G-E State Agency Coordination, Exhibit H1 Opinion of Probable Cost, Exhibit I2 Budget Book 2021, Exhibit I3 Local Funds Commitment, and Attachment A FDOT Project Status Report

## **F. RIGHT OF WAY**

**1. Is the project within the Local Agency's right of way?** ☒ Yes ☐ No

If yes, describe the project's existing Right-of-Way ownership as it relates to the project. (i.e. plats, deeds, prescriptions, certified surveys, easements). West Flagler St is an FDOT roadway (SR 968). On December 18, 2018, the County received a Quit Claim Deed from FEC 1 LLC a successor by merger to Ludlam Trail 1 Holdings LLC for West Flagler St and a Special Warranty Deed on December 21, 2018 which indicates County ownership of the areas north and south of the FDOT roadway, where the ramps for the bridge would be built. For transparency in this application, there is an Interim Trails Use Agreement for the northern one -mile section of the corridor, which includes West Flagler St, and states that rail use could be reactivated by the US Surface Transportation Board. This is unlikely to occur due to a 2006 abandonment of rail use south of the one-mile section.

If no, describe the existing ROW conditions. [Click here to enter text.](#)

**2. Is Right-of-Way acquisition proposed in this application?** ☐ Yes ☒ No

If yes, describe the proposed acquisition and provide a ROW map [Click here to enter text.](#)

Identify entity acquiring and retaining ownership of proposed Right-of-Way<sup>7</sup>: [Click here to enter text.](#)

Will temporary construction easements be required? ☒ Yes ☐ No

If yes, please describe: Yes, PROS will secure construction easement beyond the right-of-way on each side of West Flagler Street to install the bridge base structures. PROS will collaborate with FDOT for all reviews and approvals necessary for the construction of the bridge along the West Flagler Street right-of-way.

## **G. 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.*

**A. Has the Local Agency performed an environmental assessment for the project?** ☒ Yes ☐ No

List the environmental assessments performed: The Ludlam Trail Corridor PD&E Study is currently underway and is anticipated to be completed by Fall 2021. Work includes a Section 4(f), Recreational Resources - two Exception/Exemption forms for enhancements & one No Use form; a Natural Resources Evaluation (NRE); a Contamination Screening Evaluation Report (CSER), a Sociocultural and Effects Evaluation technical memorandum (SCEE Tech Memo); State Historic Highway (SHH) Tech memo, a Cultural Resources Assessment Survey (CRAS). The Advance Notification (AN) was submitted through FDOT's ETDM process as project #14369 – Ludlam Trail Corridor. The Environmental Technical Advisory Team (ETAT) evaluated the project's effects on various natural, physical, and social resources. During the ETAT evaluation, PROS committed to documenting environmental impacts in accordance with the PD&E manual. The NRE fulfills that commitment and will be submitted to the resource agencies for comments and coordination. Commitments will be documented per Part 2, Chapter 22, Commitments, of the PD&E Manual. After agency consultation has been completed, the NRE, any addendums, and the agency concurrence letters will be uploaded to SWEPT. See Exhibit G-E for State Historic Preservation Office (SHPO) concurrence with CRAS being complete and sufficient.

**B. Does the Local Agency have a historic preservation planner?** ☒ Yes ☐ No

<sup>7</sup> All right-of-way acquisitions must comply with State and Federal rules, regulations and procedures.



If yes, provide contact information: Sarah Cody, Historic Preservation Chief, Miami-Dade County Office of Historic Preservation - [scody@miamidade.gov](mailto:scody@miamidade.gov) - (305) 375-4438 - 111 NW 1st St., 12th Floor, Miami, FL, 33128

**C. Is the proposed project located 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.

**D. 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:

**E. 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: PROS has coordinated with various State and Federal agencies as part of its PD&E study, mandated by FDOT, to meet the NEPA requirements for a federalized project. This study calls for collaboration with review from the US Coast Guard, FDOT's Office of Environmental Management, FL Dept. of Agriculture and Consumer Services, FL Dept. of Economic Opportunity, FL Department of State, FL Fish and Wildlife Conservation Commission, National Marine Fisheries Service, National Park Service, Seminole Tribe of Florida, SFWMD, US Army Corps of Engineers, US Coast Guard, US Environmental Protection Agency, and the US Fish and Wildlife Service.

**F. Are parks, recreation areas or wildlife or waterfowl refuges in close proximity to the project?** ☒ Yes ☐ No

If yes, provide a brief description: Robert King High Park is a 16.5-acre publicly owned park, owned and maintained by the City of Miami, located adjacent to the Ludlam Trail project on the west side of the trail corridor. The property address is 7025 W. Flagler Street, Miami, Florida, 33144. The park is open to the public seven days a week from 7:00 AM to 10:00 PM. Park amenities include basketball courts, baseball field, soccer field, tennis courts, playground, picnic shelters, camping, fishing, biking, walking, jogging, pavilion, and computer lab. A.D. Barnes Park and Preserve is a 60.93 acre publicly owned park and preserve, owned and maintained by Miami Dade County. The park is located adjacent and to the west of the proposed Ludlam Trail project. The property address is 3401 SW 72nd Avenue Miami, FL 33155. The park is open to the public seven days a week from 7:00 AM to 7:00 PM. Ludlam corridor is directly adjacent to A.D. Barnes Park. New sidewalks and access points are intended to enhance park accessibility while preserving existing Park functions. Palmer Park is an 8.57-acre community park located on 6100 SW 67th Ave Miami, FL 33155. The park is accessible to the Ludlam Trail as it is located behind a school that adjacent to the trail.

**G. Are there any navigable waterways adjacent or near the project?**

☐ Yes ☒ No

If yes, provide a brief description: Click here to enter text.

**H. Does the project have any wetland impacts?**

☐ Yes ☒ No

If yes, will wetlands mitigation be needed?

☐ Yes ☒ No

If yes, provide a brief description: N/A

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

If yes, provide a brief description: The Ludlam Trail Corridor PD&E study reviewed the project for potential protected species/critical habitat impacts in the NRE report. The project study area was evaluated for the presence of federal and state protected species and their suitable habitats in accordance with Section 7 of the ESA and Part 2, Chapter 16 of the FDOT PD&E Manual. The Preferred Alternative will not result in any permanent impacts to habitats potentially used by federally listed and state-listed species. See Exhibit G-I Protected Species /Critical Habitat Impacts for the respective



effect determinations assigned to each federally listed and state-listed species based on their probability ranking and the implementation measures and/or commitments to be followed to offset potential impacts to the species. The Preferred Alternative will not adversely affect any federally designated Critical Habitat.

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

If yes, provide a brief description: In accordance with Volume 2, Chapter 20 (dated January 14, 2019) of the FDOT PD&E Manual, potential contamination impacts in the area surrounding the project corridor were identified in the Ludlam Trail Corridor PD&E study NRE report. After a review of all available data, such as agency file reviews at FDEP, DERM, the EDR database report, Ludlam Trail Corridor Phase I and Phase II reports, aerial photography, and confirmed by site reconnaissance, contamination of soil and groundwater has been documented in the vicinity and within the project corridor. A total of 15 sites of potential environmental concern were identified within the applicable buffers of project corridor; of these, two (2) sites, including the proposed corridor, are rated as High risk, five (5) sites are rated as Medium risk, and eight (8) sites are rated as Low risk. The status of the sites will be updated accordingly at each future design phase. The soil and groundwater assessments conducted within the Ludlam corridor between 2017 and 2019 indicated presence of arsenic and BaPE in the soils and groundwater on site. Additional boundary assessments conducted in 2018 to delineate the contamination on site indicated that BaPE concentrations along the site boundary are within the background concentrations at the site. Based on that, an engineering control plan was recommended in a report dated October 18, 2017. This included using the hard surface (pavement, pavers, etc.) of trail and 2-ft of clean fill cap or 1-ft of clean fill with high-visibility, puncture resistant fabric as effective engineering controls. Further, during a meeting between DERM and SCS on October 16, 2017, it was discussed that a cut and fill analysis was necessary to evaluate the impacted soil management following a topographic survey. In DERM's correspondence dated October 31, 2017 in response to the Phase II report, DERM acknowledged the NFAC request with institutional and engineering controls; however, DERM requested additional hot spot sampling regardless of the closure option elected. Moving forward meetings and close coordination with DERM will be required in the future for implementation of the proposed engineering control plan.

**K. Are there noise sensitive areas?** ☒ Yes ☐ No

If yes, provide a brief description: The residential areas adjacent to the East boundary of the project limits would be considered noise sensitive areas. These properties adjacent to the project corridor may experience some intermittent vibration and noise impacts from construction activities. However, the vibration and noise impacts from construction activities are a short-term effect of the project. The proposed project is classified as a Type III project and not expected to result in any substantial noise increases that would warrant noise abatement. Construction noise and vibration impacts to these adjoining sites will be minimized by adherence to the controls listed in the latest edition of the FDOT's Standard Specifications for Road and Bridge Construction Noise sensitivity issues for this project would only occur during construction. Once construction is completed the bridge will not cause an increase in noise for the surrounding residential areas, due to its purpose as a non-motorized mode of transportation.

## **H. COST ESTIMATE**

1. For projects that have not been designed, an opinion of probable cost **must be** submitted with this application. Utilize the FDOT's Basis of Estimates Manual<sup>8</sup> to develop a **detailed** estimate with FDOT pay items for construction phase estimates. **If the project has been designed, then, a detailed engineer cost estimate must be submitted with this application.**

The opinion of probable cost or engineers cost estimate is attached to this application

☒ Yes ☐ No

**2. Provide a summary of the estimated costs for the proposed work in the table below**

A project cost estimate **must** be attached to this application

Activities	Total Cost	Local Funds	TA Funds
Planning Activities	\$Click here to enter text.	\$Click here to enter text.	\$Click here to enter text.
Project Development & Environmental Study	\$Click here to enter text.	\$Click here to enter text.	\$Click here to enter text.
Design Costs/ Plans Preparation	\$1,452,057.00	\$1,452,057.00	\$Click here to enter text.
Environmental Assessment(s) associated with the design phase	\$ 100,000.00	\$ 100,000.00	\$Click here to enter text.
Permits associated with the design phase (including application fees, mitigation, and permit acquisition work)	\$75,700.00	\$75,700.00	\$Click here to enter text.
Right of Way	\$Click here to enter text.	\$Click here to enter text.	\$Click here to enter text.
Construction	\$10,000,000.00	\$9,000,000.00	\$1,000,000.00
Construction Engineering and Inspection activities (CEI)	\$1,500,000.00	\$1,500,000.00	\$Click here to enter text.
Other Costs (describe) <sup>9</sup> Click here to enter text.	\$2,011,773.00	\$2,011,773.00	\$Click here to enter text.
<b>Total Estimated Project Cost</b>	<b>\$15,139,530.00</b>	<b>\$14,139,530.00</b>	<b>\$1,000,000.00</b>

## I. PROJECT FUNDING

TA FUNDS	\$ 1,000,000.00	PERCENTAGE OF TA FUNDS	7%
LOCAL FUNDS ALLOCATED	\$ 14,139,530.00	PERCENTAGE OF LOCAL CONTRIBUTION	93 %
<b>TOTAL PROJECT COST</b>	<b>\$ 15,139,530.00</b>		

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.

<sup>8</sup> Use the following links to access the Basis of Estimates Manual as well as historical cost information for your area:

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

<http://www.fdot.gov/programmanagement/Estimates/HistoricalCostInformation/HistoricalCost.shtm>

<sup>9</sup> FDOT does not allow programming for contingency costs. Any contingency costs should be accounted for using local funds.



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 how the project will be funded (include funding types and commitment of funds):**

PROS is requesting \$1,000,000.00 in funds from FDOT's TA program. A local match of \$14,139,530.00 will be provided by Miami-Dade County. The source of the match is documented in the FY 2020-2021 Miami-Dade County Adopted Budget Book. The funds would be carried over from PROS "Bike Path - Ludlam Trail" FY 2025-2026 including Future Financing. These sources will complete Design, Construction, and CEI funding for the Ludlam Trail West Flagler Street Trail Overpass

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

The Construction phase will begin in 2026.

**3. Provide 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

**J. Project Sponsorship Certification**

I hereby certify that the proposed project herein described is supported by Miami-Dade County (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 Miami-Dade County (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): Jimmy Morales

Title: Chief Operations Officer

Signature: 

Date: 2/18/2021



---

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>

# **Ludlam Trail West Flagler Street Trail Overpass**

**Between SW 69 Av. and SW 71 Av.  
Miami, FL 33144**

## **Application Exhibits**

<b>Exhibit D3-A:</b>	<b>Location Map</b>
<b>Exhibit D3-B:</b>	<b>Aerial Map</b>
<b>Exhibit D4-A:</b>	<b>Conceptual Plans</b>
<b>Exhibit D4-B:</b>	<b>Typical Section</b>
<b>Exhibit D4-C:</b>	<b>Typical Elevation</b>
<b>Exhibit D7:</b>	<b>Public / Private Support</b>
<b>Exhibit E5:</b>	<b>Project Schedule</b>
<b>Exhibit G-E:</b>	<b>State Agency Coordination</b>
<b>Exhibit G-I:</b>	<b>Protected Species / Critical Habitat Impacts</b>
<b>Exhibit H1:</b>	<b>Opinion of Probable Cost</b>
<b>Exhibit I2:</b>	<b>Budget Book 2021</b>
<b>Exhibit I3:</b>	<b>Local Funds Commitment</b>

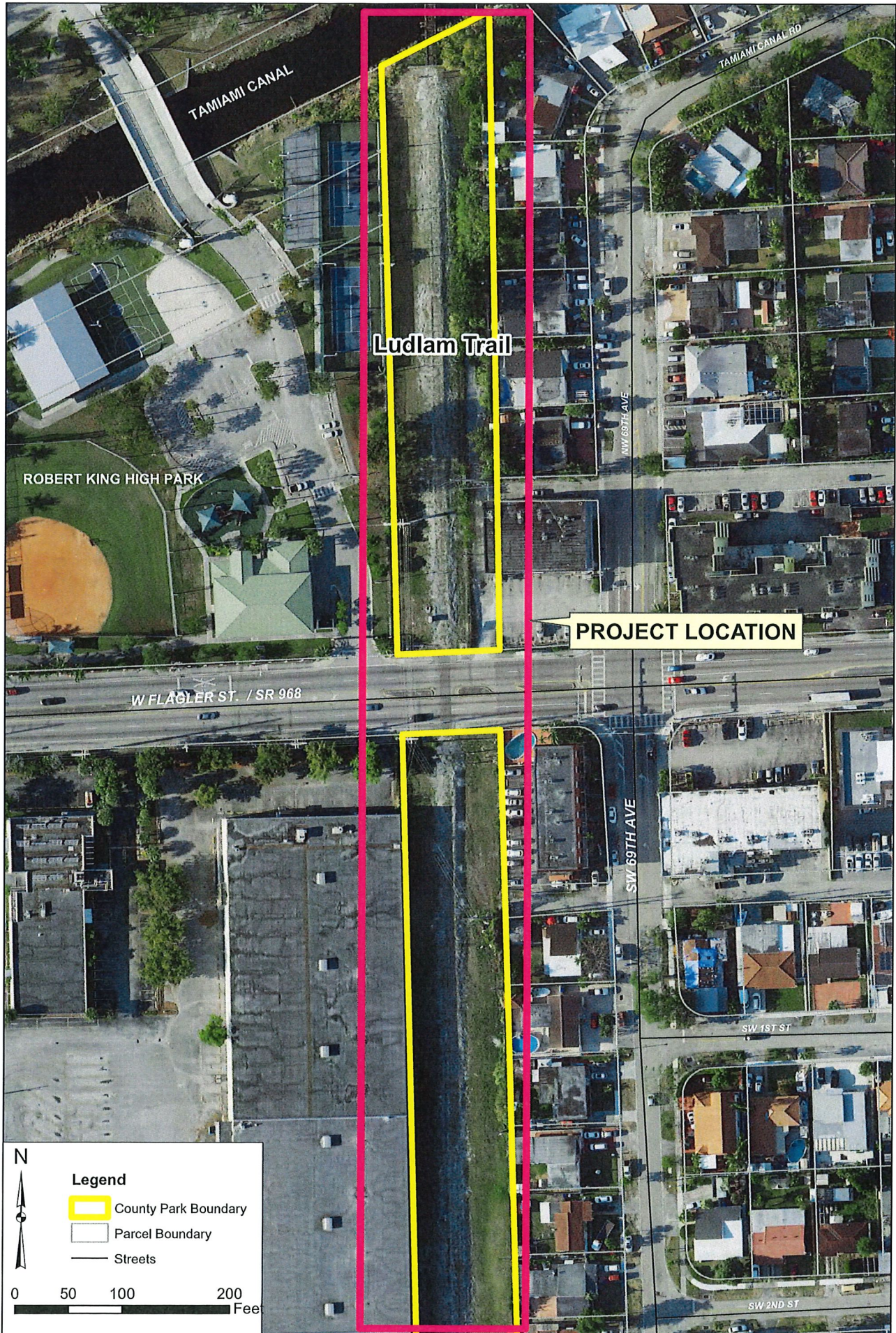
## **Other Attachments**

<b>Attachment A:</b>	<b>FDOT Project Status Report</b>
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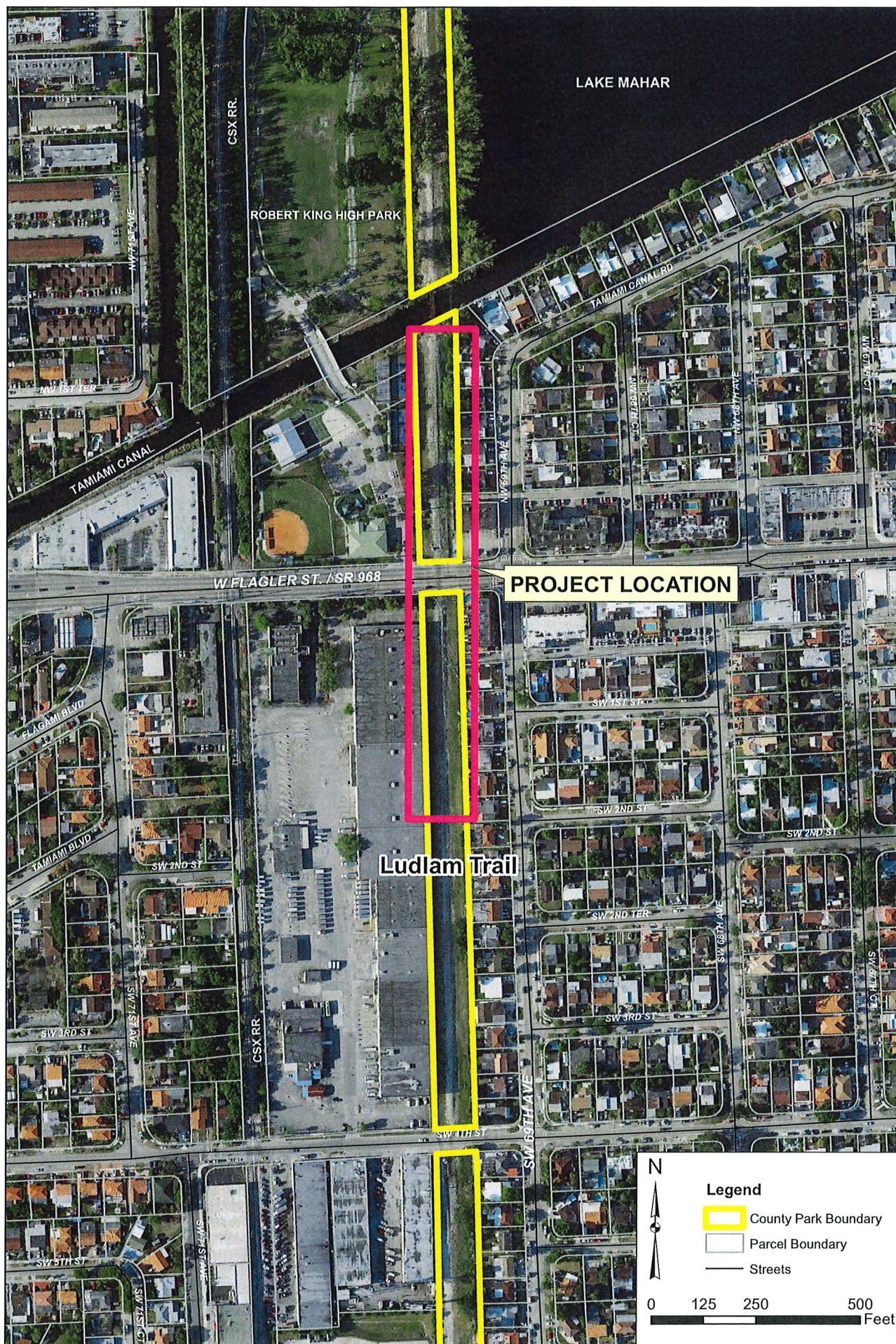


**February 19, 2021**











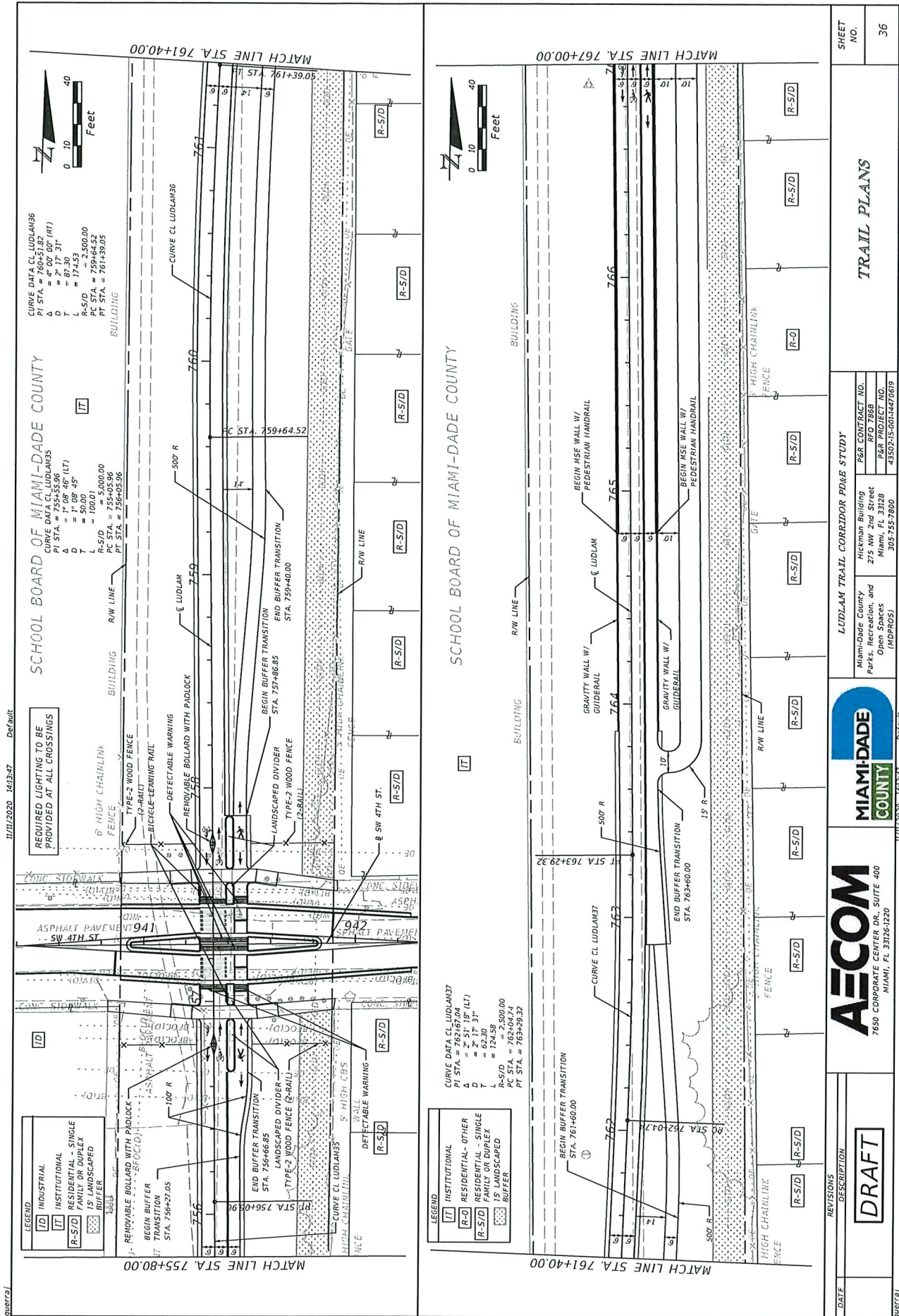
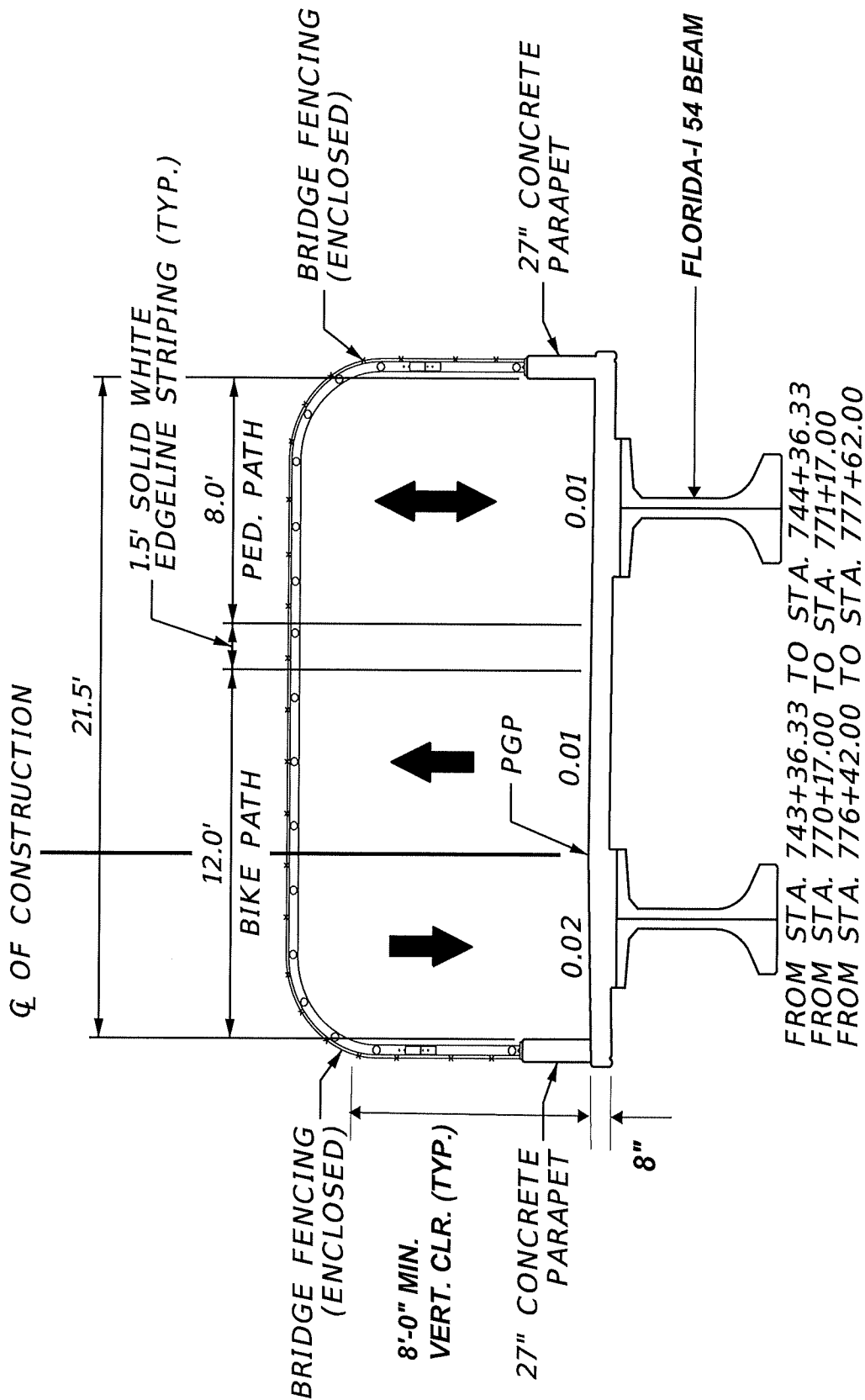




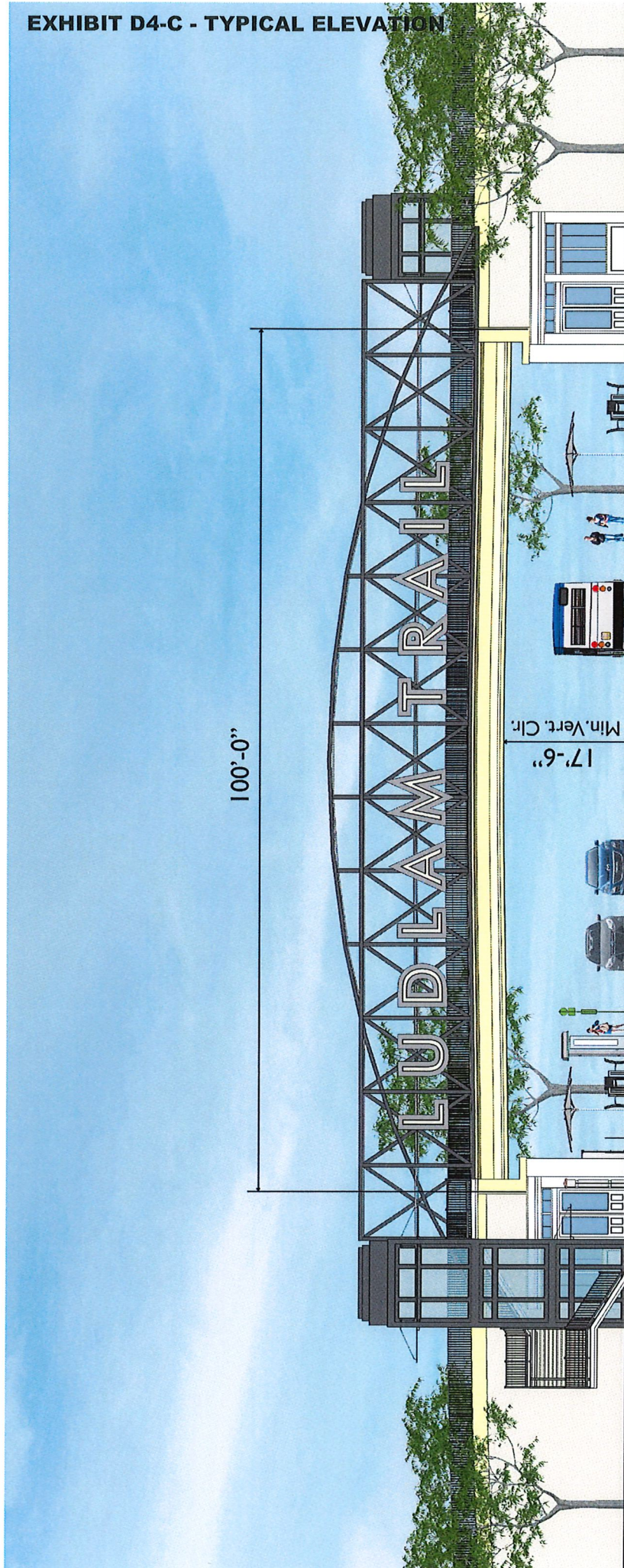


EXHIBIT D4-B - TYPICAL SECTION



PEDESTRIAN BRIDGE TYPICAL SECTION DETAIL





WEST FLAGLER STREET TRAIL OVERPASS



**EXHIBIT D7 - PUBLIC / PRIVATE SUPPORT**  
*Board of County Commissioners*



*Rebeca Sosa*  
COMMISSIONER  
DISTRICT 6

February 19, 2021

Mr. Oscar Camejo  
Transportation Alternatives Coordinator  
Miami-Dade Transportation Planning Organization  
150 West Flagler Street, Suite 1900  
Miami, FL 33130

RE: Ludlam Trail West Flagler Street Trail Overpass

Dear Mr. Camejo,

I am writing to express my strong support for the Miami-Dade County Parks, Recreation and Open Spaces Department's (PROS) 2021 Transportation Alternatives (TA) application for the *Ludlam Trail West Flagler Street Trail Overpass*. The completed trail will extend approximately 5.6 miles from SW 80<sup>th</sup> Street to NW 7<sup>th</sup> Street.

The proposed overpass will enhance the safety of trail users as they cross the busy thoroughfare of West Flagler Street (State Road 968) while delivering continuous trail connectivity. This project is at the heart of my commission district and would improve public access to the Robert King High Park. The project also has the opportunity to develop into a multi-modal hub by offering direct access to transit through conveniently located bus shelters and neighborhood connections. West Flagler Street serves as an arterial of bus transit with multiple routes and several stops within walking distance of the Ludlam Trail corridor. It connects directly with the Bus Express Rapid Transit (BERT) regional network with the Flagler Street corridor.

The Ludlam Trail will connect more than 32,000 people in a half-mile walkable service area to five greenways, five schools, four parks, and two transit hubs. The proposed multi-use trail is located within a central urban area and will fulfill a long-anticipated need for alternative mobility opportunities, providing connectivity between residential neighborhoods, retail centers, existing parks and schools; and ultimately provide a direct transportation connection between Dadeland North Metrorail Station, the existing 51 Flagler MAX which offers limited-stop weekday service from west Miami-Dade to Government Center Metrorail / Metromover station along W. Flagler St and SW 1 St., and the future SMART Plan East-West Corridor Bus Rapid Transit project near NW 7th St.

Thank you for your consideration and support of this project, which holds regional significance throughout Miami-Dade County.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rebeca Sosa", is written over a horizontal line.

Rebeca Sosa  
County Commissioner



miamidade.gov

Parks, Recreation and Open Spaces

275 NW 2nd Street

Miami, Florida 33128

T 305-755-7800

*Every Great Community has  
a Great Park System.*

February 19, 2021

Mr. Oscar Camejo  
Transportation Alternatives Coordinator  
Miami-Dade Transportation Planning  
Organization 150 West Flagler  
Street, Suite 1900  
Miami, FL 33130

RE: Ludlam Trail West Flagler Street

Trail Overpass Dear Mr. Camejo,

The Miami Dade County Parks, Recreation and Open Spaces (PROS) Department respectfully submits a 2021 Transportation Alternatives application for the Construction Phase of the Ludlam Trail West Flagler Street Trail Overpass, for your consideration. This project aligns with the Department's guiding document, the Miami-Dade County Parks Open Space System Master Plan and promotes the health and well-being of County residents and visitors by providing a walkable and bikeable corridor. Most notably the proposed project highlights the use of an above-grade crossing to ensure a safe pedestrian crossing of a major arterial roadway along with neighborhood connectivity. High roadway volumes coupled with adjacent driveways and a close signalized intersection requires this type of treatment to ensure trail user safety. The proposed treatment was recommended in the Ludlam Trail PD&E traffic study and approved by the Miami-Dade County Department of Transportation and Public Works (DTPW).

This trail will provide a safe, dedicated and direct route for both cyclists and pedestrians to schools, parks, places of work, shops, and residential neighborhoods. This project will also connect more than 32,000 people within a half-mile walkable service area to five greenways, five schools, four parks, and two existing or current transit hubs.

Thank you for your consideration of this application. If you have any questions, please do not hesitate to contact me at 305-755-7903.

Sincerely,

A handwritten signature in blue ink that reads "Maria I. Nardi".

Maria I. Nardi  
Director

2013 Governor' Sustained  
Excellence Award



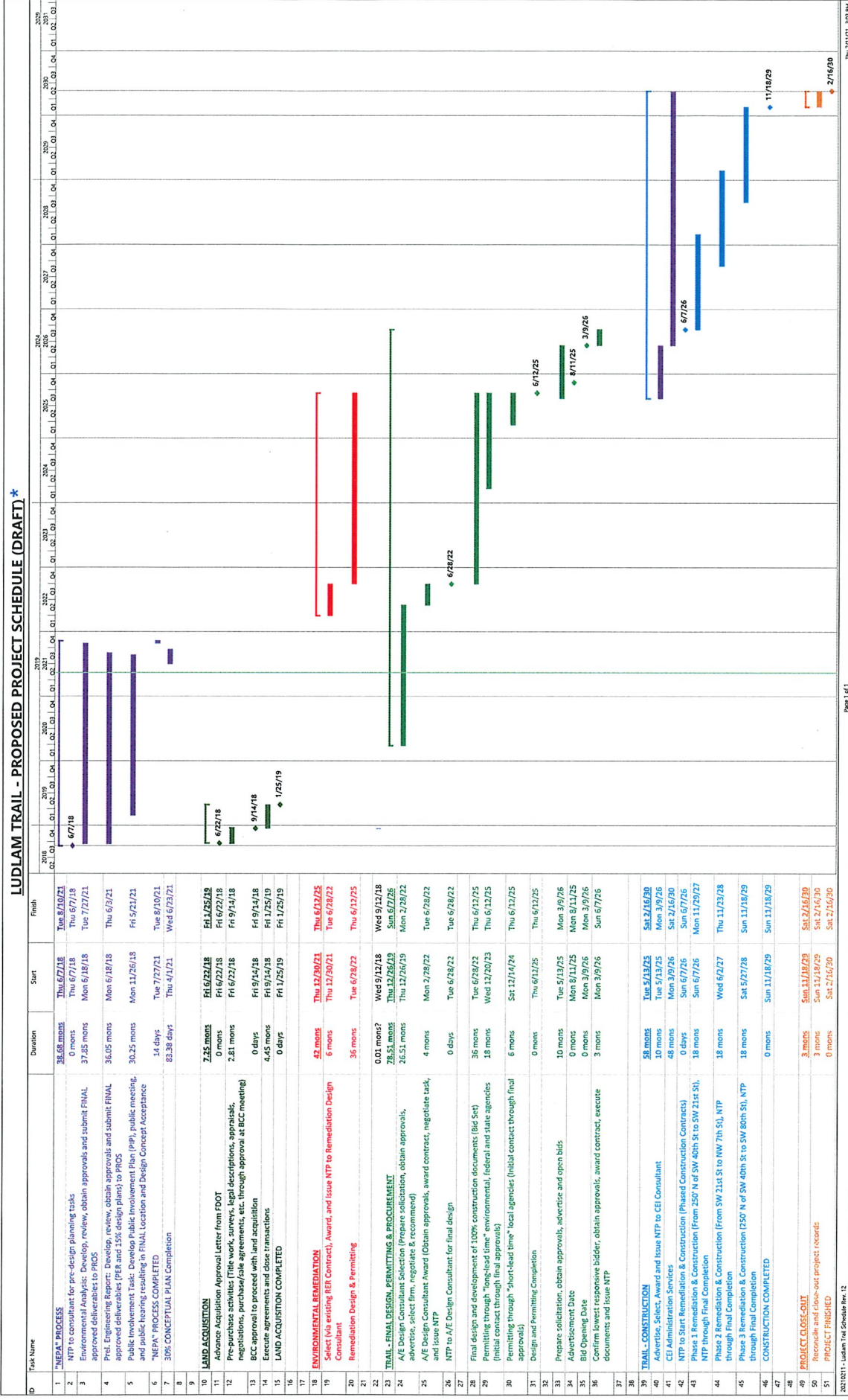
RECIPIENT



*"Connecting People and Parks for Life"*



# LUDLAM TRAIL - PROPOSED PROJECT SCHEDULE (DRAFT) \*



\* Schedule is tentative and the procurement timeline will be updated as the process continues to move forward and information is available.

## EXHIBIT G-E STATE AGENCY COORDINATION

August 6, 2020

Page 4

Sincerely,

DocuSigned by:

*Barbara Culhane*

5CF7242FA4DA4DB...

Barbara B. Culhane, M.S., A.I.C.P.

District Cultural Resources Coordinator

The Florida State Historic Preservation Officer finds the attached cultural resources assessment survey complete and sufficient and ☒ concurs/ ☐ does not concur with the recommendations and findings provided in this cover letter for SHPO/FDHR Project File Number 2018-5371B. Or, the SHPO finds the attached document contains insufficient information.

In accordance with the Programmatic Agreement among the FHWA, ACHP, FDHR, SHPO, and FDOT Regarding Implementation of the Federal-Aid Highway Program in Florida, if providing concurrence with a finding of No Historic Properties Affected for a project as a whole, or to No Adverse Effect on a specific historic property, SHPO shall presume that FHWA will proceed with a *de minimis* Section 4(f) finding at its discretion for the use of land from the historic property.

SHPO Comments:

*Jason Aldridge DSHPO*

Timothy A. Parsons, Ph.D., Director, and  
State Historic Preservation Officer  
Florida Division of Historical Resources

August 27, 2020

[DATE]



## EXHIBIT G-I PROTECTED SPECIES / CRITICAL HABITAT IMPACTS

### 7.0 CONCLUSION

#### 7.1 Protected Species and Habitats

The project study area was evaluated for the presence of federal and state protected species and their suitable habitats in accordance with Section 7 of the ESA and Part 2, Chapter 16 of the FDOT PD&E Manual. The Preferred Alternative will not result in any permanent impacts to habitats potentially used by federally listed and state-listed species. **Table 7-1** below presents the respective effect determinations assigned to each federally listed and state-listed species based on their probability ranking and the implementation measures and/or commitments to be followed to offset potential impacts to the species. The Preferred Alternative will not adversely affect any federally designated Critical Habitat.

**Table 7 - 1: Summary of Listed Species and Effect Determinations**

Scientific Name	Common Name	Effect Determination	Status	
			Federal	State
Federally Protected Wildlife Species				
<i>Alligator mississippiensis</i>	American alligator	No Effect	T(S/A)	FT(S/A)
<i>Anaea troglodyta floralis</i>	Florida leafwing butterfly	No Effect	E	FE
<i>Cicindela floridana</i>	Miami tiger beetle	No Effect	E	FE
<i>Drymarchon corais couperi</i>	Eastern indigo snake	May Affect, Not Likely to Adversely Affect	T	FT
<i>Eumops floridanus</i>	Florida bonneted bat	May Affect, Not Likely to Adversely Affect	E	FE
<i>Haliaeetus leucocephalus</i>	Bald eagle	Not Applicable	NL <sup>(1)</sup>	NL
<i>Mycteria americana</i>	Wood stork	No Effect	T	FT
<i>Pandion haliaetus</i>	Osprey	Not Applicable	NL <sup>(2)</sup>	NL
<i>Strymon acis bartrami</i>	Bartram's hairstreak butterfly	No Effect	E	FE
<i>Trichechus manatus</i>	West Indian manatee	May Affect, Not Likely to Adversely Affect	T	FT
Federally Listed Plant Species				
<i>Amorpha crenulata</i>	Crenulate lead- plant	No Effect	E	FE
<i>Argythamnia blodgettii</i>	Blodgett's wild mercury	No Effect	E	FE
<i>Dalea carthagenensis floridana</i>	Florida prairie-clover	No Effect	E	FE
<i>Digitaria pauciflora</i>	Florida pineland crabgrass	No Effect	T	FT
<i>Linum arenicola</i>	Sand flax	No Effect	E	FE
<i>Linum carteri carteri</i>	Carter's small-flowered flax	No Effect	E	FE
<i>Polygala smallii</i>	Tiny polygala	No Effect	E	FE

## EXHIBIT G-I PROTECTED SPECIES / CRITICAL HABITAT IMPACTS

Scientific Name	Common Name	Effect Determination	Status	
			Federal	State
<i>Sideroxylon reclinatum</i> spp. <i>austrofloridense</i>	Everglades bully	No Effect	T	FT
<b>State-Listed Wildlife and Other Protected Species</b>				
<i>Athene cunicularia floridana</i>	Florida burrowing owl	No adverse effect anticipated	NL	T
<i>Patagioenas leucocephala</i>	White-crowned pigeon	No adverse effect anticipated	NL	T
<b>State-Listed Plant Species</b>				
<i>Asplenium verecundum</i>	Modest spleenwort	No effect anticipated	NL	E
<i>Basiphyllaea corallicola</i>	Rockland orchid	No effect anticipated	NL	E
<i>Bouyeria cassinifolia</i>	Smooth strongbark	No effect anticipated	NL	E
<i>Chamaesyce porteriana</i>	Porter's broad-leaved spurge	No effect anticipated	NL	E
<i>Coccothrinax argentata</i>	Silver palm	No effect anticipated	NL	T
<i>Conradina grandiflora</i>	Large-flowered rosemary	No effect anticipated	NL	T
<i>Crossopetalum ilicifolium</i>	Christmas berry	No effect anticipated	NL	T
<i>Encyclia cochleata</i> var. <i>triandra</i>	Clamshell orchid	No effect anticipated	NL	E
<i>Euphorbia pnetorum</i>	Rockland painted-leaf	No effect anticipated	NL	E
<i>Galeandra bicarinata</i>	Two-keeled helmet orchid	No effect anticipated	NL	E
<i>Glandularia maritima</i>	Coastal vervain	No adverse effect anticipated	NL	E
<i>Govenia floridana</i>	Sheathing govenia	No effect anticipated	NL	E
<i>Ipomea microdactyla</i>	Wild potato morning glory	No effect anticipated	NL	E
<i>Ipomea tenuissima</i>	Rocklands morning glory	No effect anticipated	NL	E
<i>Jacquemontia curtissii</i>	Pineland jacquemontia	No effect anticipated	NL	T
<i>Lantana depressa</i> var. <i>depressa</i>	Florida lantana	No effect anticipated	NL	E
<i>Linum carteri</i> var. <i>smallii</i>	Small's flax	No effect anticipated	NL	E
<i>Lomariopsis kunzeana</i>	Holly vine fern	No effect anticipated	NL	E
<i>Pteroglossaspis ecristata</i>	Giant orchid	No effect anticipated	NL	T
<i>Roystonea elata</i>	Florida royal palm	No effect anticipated	NL	E
<i>Sachsia polycephala</i>	Bahama sachsia	No effect anticipated	NL	T
<i>Selaginella eatonii</i>	Eaton's spike moss	No effect anticipated	NL	E
<i>Stylosanthes calicicola</i>	Pineland pencil flower	No effect anticipated	NL	E



## EXHIBIT G-I PROTECTED SPECIES / CRITICAL HABITAT IMPACTS

Scientific Name	Common Name	Effect Determination	Status	
			Federal	State
<i>Swietenia mahagoni</i>	West Indies mahogany	No adverse effect anticipated	NL	T
<i>Tragia saxicola</i>	Pineland noseburn	No effect anticipated	NL	T
<i>Trichomanes punctatum</i> spp. <i>floridanum</i>	Florida filmy fern	No effect anticipated	C <sup>(3)</sup>	E
<i>Tripsacum floridanum</i>	Florida gama grass	No effect anticipated	NL	T
<i>Zephyranthes simpsonii</i>	Redmargin zephyrlily	No adverse effect anticipated	NL	T

F = Federally Listed / E = Endangered / T = Threatened / T(S/A) = Threatened due to similar appearance / NL = Not Listed

- (1) The bald eagle is neither state nor federally listed; however, this species is federally protected by the Bald and Golden Eagle Act and the Migratory Bird Treaty Act. The bald eagle is also managed in Florida by the FWC's bald eagle rule (FAC 68A-16.002).
- (2) The osprey is neither state nor federally listed; however, this species is federally protected by the Migratory Bird Treaty Act.
- (3) The Florida filmy fern is currently a candidate species for federal protection under the ESA.

### 7.2 Wetlands Findings

The Preferred Alternative was evaluated for impacts to wetlands in accordance with EO 11990. No jurisdictional wetlands were found within the project corridor. Based on the type and location of project impacts, MDPROS has determined that there is no practicable alternative to the proposed construction in other surface waters; however, no permanent surface water impacts will be expected to occur from the proposed project. Furthermore, the project will have no significant short-term or long-term adverse impacts to wetlands or surface waters.

### 7.3 Implementation Measures

Implementation Measures are actions that MDPROS and/or FDOT would be required to take per procedure, standard specifications, or other agency requirements that will be implemented at a later project phase, but which will help address or reduce project effects. Based on the field and literature reviews outlined in this report, federally listed and/or state-listed protected species have the potential to occur within the project study area. To ensure that the proposed project will not adversely impact these species, MDPROS will undertake the following implementation measures:

- MDPROS will incorporate the USFWS's most current protection guidelines for the eastern indigo snake, currently entitled *Standard Protection Protocols for the Eastern Indigo Snake* (**Appendix D**), into the final project design and will require that the construction contractor abide to the guidelines during construction.
- During the construction phase of this project, MDPROS and their selected contractor will adhere to the FWC's *Standard Manatee Conditions for In-Water Work*, 2011 (**Appendix G**).
- Specifically, MDPROS is committed to re-surveying for the Florida bonneted bat during final design, prior to construction activities. All surveys will be conducted in accordance with the

# EXHIBIT H1- OPINION OF PROBABLE COST

Ludlam Trail			2/9/2021			
<p>Consultant Design, Permit, Procurement and Construction of a “Shared-use Path” bridge structure over Flagler Street. The bridge structure will be designed and constructed to meet all applicable FDOT, AASHTO, federal, state and local regulations and is expected to measure approximately 23.1’ wide by 100’ long with a vertical height clearance of 17.5’. This estimate also include the approach ramps on both sides of the bridge (627 and 525 LF), and all direct connections to Flagler Street, elevators and stair connections to both sides of the ROW per the 15% concept plans dated 11/2020 and typical sketch section detail provided 2/8/21.</p>			Quantity	Unit of Measure	Unit Price	Total Probable Cost (Base Construction)

Div.1 General Conditions and General Requirements							
	General Condition & General Requirements as a percentage of Direct Cost.	1	LS	10%	\$		818,884
	Bond & Insurance	1	LS	2%	\$		163,777
	Allowance for construction over traffic and/or phase construction	1	LS	10%	\$		818,884
Div.1	General Conditions and General Requirement, Subtotal				\$		1,801,544

Div. 2-16 Sitework							
	Mobilization	1	LS	\$ 120,000.00	\$		120,000
	MOT	1	LS	\$ 150,000.00	\$		150,000
	Police officer Allowance	4,160	Hrs	\$ 50.00	\$		208,000
	Geo technical test, test piles	1	LS	\$ 25,000.00	\$		25,000
	Cleaning and Grubbing, Grading/Layout	1	LS	\$ 25,000.00	\$		25,000
	Survey & Geo Technical services	1	LS	\$ 100,000.00	\$		100,000
	Load rating certification	1	LS	\$ 25,000.00	\$		25,000
	Utilities coordination & relocation Allowance	1	LS	\$ 200,000.00	\$		200,000
	Environmental remediation (Outside ROW) Allowance	1	LS	\$ 100,000.00	\$		100,000
	<b>Bridge Structure</b>						
	Concrete pilings	400	LF	\$ 200.00	\$		80,000
	Foundation Excavation & Disposal	84	CY	\$ 250.00	\$		20,938
	Base Foundation	67	CY	\$ 1,200.00	\$		80,400
	Base Foundation reinforcing steel	9,715	Pound	\$ 1.30	\$		12,630
	Columns	28	CY	\$ 1,250.00	\$		35,000
	Columns reinforcing	5,460	Pound	\$ 1.30	\$		7,098
	Beams pier cap	31	CY	\$ 1,250.00	\$		38,500
	Beams pier cap reinforcing	4,466	Pound	\$ 1.65	\$		7,369
	Neoprene bearing pad	24	CF	\$ 1,000.00	\$		24,000
	FL I Beam 54	200	LF	\$ 500.00	\$		100,000
	Concrete deck slab	57	CY	\$ 1,500.00	\$		85,983
	Concrete parapet 27"	200	LF	\$ 85.00	\$		17,000
	Concrete deck & Concrete parapet reinforcing steel	15,170	Pound	\$ 1.30	\$		19,721
	Expansion joints	100	LF	\$ 850.00	\$		85,000
	CLF enclosure	200	LF	\$ 250.00	\$		50,000
	Aluminum Railing	200	LF	\$ 70.00	\$		14,000
	<b>Approach Ramps (MSE walls) and Connections</b>						
	MSE Walls	28,800	SF	\$ 50.00	\$		1,440,000
	Excavation & Base Foundation for MSE Walls	768	CY	\$ 1,300.00	\$		998,400
	Compacted Structural fill	9,600	CY	\$ 40.00	\$		384,000



## EXHIBIT H1 - OPINION OF PROBABLE COST

Approach Decks - Reinforced Concrete (18" wide) Slab	20,736	SF	\$ 20.00	\$ 414,720
Street crosswalk at Grade Allowance	1	Allowance	\$ 97,000.00	\$ 97,000
Concrete walkways connection (10' wide)	11,800	SF	\$ 20.00	\$ 236,000
Trail Connections, stripping & signage	2	EA	\$ 10,000.00	\$ 20,000
Pedestrian Handrail	2,504	LF	\$ 70.00	\$ 175,280
Guide/Guard Rails	260	LF	\$ 30.00	\$ 7,800
Signs and Striping	1	LS	\$ 20,000.00	\$ 20,000
Stormwater Drainage collection pre-treatment and disposal system allowance	1	LS	\$ 250,000.00	\$ 250,000
Water utility connection and hose bibs / irrigation system	1	LS	\$ 30,000.00	\$ 30,000
Lighting, Service, Electrical Allowance	1	LS	\$ 150,000.00	\$ 150,000
Cameras, telecom., low voltage, fire protection	1	LS	\$ 50,000.00	\$ 50,000
Architectural Features Allowance	1	LS	\$ 500,000.00	\$ 500,000
Lightning protection	1	LS	\$ 75,000.00	\$ 75,000
Cathodic protection system Allowance	1	LS	\$ 160,000.00	\$ 160,000
Restoration as needed around this scope of work	1	LS	\$ 50,000.00	\$ 50,000
Stair connection to ROW	2	EA	\$ 250,000.00	\$ 500,000
Elevator connection to ROW	2	EA	\$ 500,000.00	\$ 1,000,000
Subtotal				\$ 8,188,838
Probable Base Construction Cost, Total 2021 prices (excluding A/E Design & Inspection Fees, Permit and Inspector General, and Contingencies)				\$ 9,990,383

**Round Up \$ 10,000,000**

## EXHIBIT I2 - BUDGET BOOK 2021

### FY 2020 - 21 Adopted Budget and Multi-Year Capital Plan

#### BIKE PATH - IMPROVEMENTS ON SNAPPER CREEK TRAIL (BUILDING BETTER COMMUNITIES BOND PROGRAM)

PROJECT #: 932040



DESCRIPTION: Construct surface and intersection improvements to Snapper Creek Trail from Tamiami Park to Kendall Indian Hammocks Park  
 LOCATION: Along SW 117 Ave from SW 16 St to SW 79 St District Located: Countywide  
 Unincorporated Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	FUTURE	TOTAL
BBC GOB Financing	0	50	100	100	250	0	0	0	500
FDOT Funds	116	0	0	0	1,264	0	0	0	1,380
<b>TOTAL REVENUES:</b>	<b>116</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>1,514</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,880</b>
EXPENDITURE SCHEDULE:	PRIOR	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	FUTURE	TOTAL
Construction	0	101	0	100	1,514	0	0	0	1,715
Planning and Design	15	50	100	0	0	0	0	0	165
<b>TOTAL EXPENDITURES:</b>	<b>15</b>	<b>151</b>	<b>100</b>	<b>100</b>	<b>1,514</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,880</b>

Estimated Annual Operating Impact will begin in FY 2023-24 in the amount of \$23,000 and includes 0 FTE(s)

#### BIKE PATH - LUDLAM TRAIL

PROJECT #: 939080



DESCRIPTION: Acquire right-of-way and develop path along former Florida East Coast (FEC) Railroad  
 LOCATION: FEC railroad from Dadeland North to NW 12 St District Located: 6, 7  
 Unincorporated Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	FUTURE	TOTAL
BBC GOB Financing	1,583	152	5,000	0	0	0	0	0	6,735
Capital Asset Series 2020C Bonds	4,359	0	0	0	0	0	0	0	4,359
Economic Development	5,993	0	0	0	0	0	0	0	5,993
Transportation Fund 2017									
FDOT 2016 SUN Trail	0	0	0	8,000	0	0	0	0	8,000
FDOT 2017 TAP	0	0	0	0	628	0	0	0	628
FDOT Funds	5,000	0	0	0	0	0	0	0	5,000
Future Financing	0	0	559	0	2,059	31,505	30,969	708	65,800
Road Impact Fees	13,738	389	5,732	7,440	2,701	0	0	0	30,000
<b>TOTAL REVENUES:</b>	<b>30,673</b>	<b>541</b>	<b>11,291</b>	<b>15,440</b>	<b>5,388</b>	<b>31,505</b>	<b>30,969</b>	<b>708</b>	<b>126,515</b>
EXPENDITURE SCHEDULE:	PRIOR	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	FUTURE	TOTAL
Construction	0	0	5,732	9,440	7,348	31,505	30,969	708	85,702
Land Acquisition/Improvements	24,660	0	0	0	0	0	0	0	24,660
Planning and Design	1,654	959	9,500	4,040	0	0	0	0	16,153
<b>TOTAL EXPENDITURES:</b>	<b>26,314</b>	<b>959</b>	<b>15,232</b>	<b>13,480</b>	<b>7,348</b>	<b>31,505</b>	<b>30,969</b>	<b>708</b>	<b>126,515</b>

Estimated Annual Operating Impact will begin in FY 2024-25 in the amount of \$602,000 and includes 0 FTE(s)



## EXHIBIT I3 - LOCAL FUNDS COMMITMENT

February 19, 2021

Mr. Oscar Camejo  
Transportation Alternatives Coordinator  
Miami-Dade Transportation Planning Organization  
150 West Flagler Street, Suite 1900  
Miami, FL 33130

Subject: Ludlam Trail West Flagler Street Trail Overpass – Confirmation of Match

Dear Mr. Camejo,

I am writing in support of the Miami-Dade County Parks, Recreation and Open Spaces Department's (PROS) 2021 Transportation Alternatives (TA) application. This letter affirms, if awarded, the "Ludlam Trail West Flagler Street Trail Overpass" a local match commitment totaling \$14,139,530.00 is allocated to complete the Design, Construction, and CEI phase of the project. The \$1,000,000.00 TA funding support is essential to further secure the construction costs and help the County realize this necessary financial investment. The source of the match is documented in the FY 2020-2021 Miami-Dade County Adopted Budget and Multi-Year Capital Plan. The funds would be carried over from PROS "Bike Path - Ludlam Trail" FY 2025-2026 including Future Financing.

If you have any questions on this matter, please feel free to contact me.



Ryan Lafarga  
OMB Coordinator  
Office of Management Budget  
Miami-Dade County

Miami-Dade County Parks, Recreation and Open Spaces Department FDOT Project Status Report								
Program Type	FM No.	Contract No.	Grant Project Title	Year Awarded	Scope	Sum of Award Amount	Sum of Payments Received	Status Updates
EDTF	416660-2-48-02	GON06	FY 17 Ludlam Trail	2016	Acquisition	\$ 3,000,000.00	\$ 3,000,000.00	Project is closed. The Ludlam Trail was acquired in October 2018. Project completed and closed.
	416660-2-48-01	GOD24	FY 16 Ludlam Trail	2015	Acquisition	\$ 2,993,150.00	\$ 2,993,150.00	Project is closed. The Ludlam Trail was acquired in October 2018. Project completed and closed.
Highway Beautification	442795-1-74-01	Pending	JPA for Gateway Beautification at Eureka Park of Commerce	2017	Landscape Improvements	\$ 40,000.00	\$ 39,492.20	Project is closed and completed.
	439086-1-74-01	GOK92	JPA for Beautification Project on A1A from Haulover to Sunny Isles	2016	Landscape Improvements	\$ 100,000.00		Extension granted until 2022 due to FDOT project in the same area preventing this one to begin
	446956-1-74-01	Pending	JPA for Naranja Lakes CRA	2019	Landscape Improvements	\$ 105,300.00		Design is currently scheduled to be completed by July 2020. PROS will enter into JPA and MMOA once design is complete and approved by FDOT.
	250610-1-58-02	ARA38	JPA for Landscaping Improvements Along various FDOT Maintained Roadways	2014	Landscape Improvements	\$ 1,500,000.00	\$ 1,499,984.45	Project is closed and completed.
	416660-5-48-01	GOW54	FY 18 Ludlam Trail	2017	Acquisition	\$ 5,000,000.00	\$ 5,000,000.00	The Ludlam Trail was acquired in October 2018. Project completed and closed.
Federal Earmarks	416660-3-18-01	G1793	Ludlam Trail Planning Study (Strategic Implementation Plan)	2017	Planning	\$ 293,610.00	\$ -	PROS entered into LAP agreement in April 2019. Project is active. PROS is finalizing PSA.
	416660-1-38-01	APY06	Ludlam Trail - Ros-Lehtinen Earmark	2006	Design	\$ 547,480.00	\$ 263,014.00	Initial project completed and remaining funds (\$293,610) were placed under new contact (G1793) to fully expend funds on a Ludlam Trail Planning Study.
	416660-1-28-01	A0539	Ludlam Trail - Ros-Lehtinen Earmark	2005	Preliminary Engineering	\$ 500,000.00	\$ 492,459.00	Funding was used for Miami-Dade County Trail Design Guidelines and Standards and Miami-Dade County Trail Benefits Study. Reports completed in 2011.
Suntrail	439898-1-34-01	GOL04	Biscayne Trail Segment D Phase 2	2016	Design	\$ 122,825.00	\$ -	PROS will request an extension due to pending permit approvals.
	439898-1-54-01	Pending	Biscayne Trail Segment D Phase II - Construction	2018	Construction	\$ 1,254,731.00	\$ -	PROS is pending design completion before entering into agreement
	416660-4-58-01	Pending	Ludlam Trail	2016	Construction	\$ 8,000,000.00	\$ -	Funds programmed for FY 2021. PROS requested to defer funds to FY 21-22. PROS is working on a resolution for this award.
SRTS (TAP)	436616-1-14-01	G0633	UM/PROS Bikesafe Program	2016	Programmatic	\$ 300,000.00	\$ 272,525.59	Project is closed and completed.
TAP	APV78	APV78	Biscayne Trail Segment C & D Phase 1	2005	Design	\$ 670,510.00	\$ 623,393.59	PROS will request an extension due to pending permit approvals.
	436610-1-58-01	Pending	Hobie Island North Side Shoreline and Roadway Protection	2015	Construction	\$ 2,000,000.00	\$ -	(This was originally two grant applications for \$1 mil each, but in 8/2018 FDOT combined both into one FM project for construction.)
	440840-1-58-01	G1J11	Rickenbacker Causeway Green Bike Lanes Segment A Phase 1	2016	Construction	\$ 955,961.00	\$ -	PROS requested to advance these funds to FY 19-20. PROS received NTP to advertise and fully executed LAP agreement in February 2020. Reso R-493-18.
	438667-1-58-01	Pending	Black Creek Segment B Phase 1	2005	Construction	\$ 628,412.00	\$ -	Programmed for FY 2022. Reso R-493-18.
	438667-1-38-01	GOK51	Black Creek Segment B	2005	Design	\$ 371,588.00	\$ -	Pending FDOT concurrence to award. Project is a part of federalized CSA.
	440842-1-58-01	Pending	Black Creek Segment B Phase 2	2016	Construction	\$ 1,000,000.00	\$ -	Programmed for FY 2022. Reso R-493-18.
	441641-1-38-01	G1H54	Roberta Hunter Park	2017	Design	\$ 104,307.00	\$ -	PROS entered into LAP agreement December 2019. Pending FDOT concurrence to award. Project is a part of federalized CSA.
	441641-1-58-01	Pending	Roberta Hunter Park	2017	Construction & CEI	\$ 348,201.00	\$ -	TAP approval came in on 7/20/17. Reso R-493-18. Programmed in FY 2024.
	416660-6-38-01	Pending	Ludlam Trail Segment B Phase I	2017	Design	\$ 627,531.00	\$ -	TAP approval came in on 7/20/17. PROS has requested to advance these funds to FY 19-20. PROS is working on a resolution for this award.
	446059-1-38-01	Pending	Ludlam Trail Access and Trailhead Improvements at A.D. "Doug" Barnes Park	2019	Design	\$ 454,827.00	\$ -	TAP approval came in June 2019. Programmed for fiscal year 2025. Pending resolution to enter into LAP agreement.
	446069-1-38-01	Pending	Snake Creek Trail Access and Path Improvements	2019	Design	\$ 173,962.00	\$ -	TAP approval came in June 2019. Programmed for fiscal year 2025. Pending resolution to enter into LAP agreement.
	444194-1-68-01	Pending	Snapper Creek Trail Segment A SW 107 Ave Gap	2019	CEI	\$ 103,838.00	\$ -	TAP approval came in June 2019. Programmed for fiscal year 2025. Pending resolution to enter into LAP agreement.
	444194-1-68-01	Pending	Snapper Creek Trail Segment A SW 107 Ave Gap	2018-2019	Construction	\$ 756,675.00	\$ -	TAP approval for construction came in on July 2018 and June 2019. Programmed for FY 2024. Pending resolution to enter into LAP agreement.
	441639-1-38-01	G1731	Snapper Creek Trail Segment B Phase 1	2017	Design	\$ 116,468.00	\$ -	Pending FDOT concurrence to award. Project is a part of federalized CSA.
	441639-1-58	Pending	Snapper Creek Trail Segment B Phase 1	2017	Construction & CEI	\$ 403,272.00	\$ -	TAP approval came in on 7/20/17. Reso R-493-18. Programmed for FY 2024.
	444299-1	Pending	Snake Creek Trail Extension to Greynolds Park	2018	Construction	\$ 403,072.00	\$ -	TAP approval came in on 7/18/18. Pending resolution and FM number. Programmed for FY 2024.
	436754-1-38	Pending	Snake Creek Underpass	2014	Design	\$ 250,000.00	\$ -	Programmed for FY 2020. Reso R-493-18.
	251265-7-58	Pending	Biscayne Trail Segment D Phase 1	2005	Construction	\$ 1,845,000.00	\$ -	Programmed for FY 2020.
	418333-1-58-01	AQP57	Greenway Bridges	2004	Design & Construction	\$ 757,530.00	\$ 725,087.00	Project completed and closed.
	251200-3-58-01	APN79	Snake Creek Trail Phase 1	2006	Design & Construction	\$ 3,700,000.00	\$ 2,911,152.00	Project completed and closed.
	251265-3-58-01	APW69	Black Creek Trail Segment A	2008	Design & Construction	\$ 2,780,000.00	\$ 2,130,723.00	Project completed and closed.
	416660-3	Pending	Ludlam Trail Bridge Overpass at SW 40th Street (Bird Road)	2020	Construction	\$ 1,000,000.00	\$ -	Programmed for FY 2026
Grand Total						\$ 43,208,250.00	\$ 19,950,980.83	