

**454213-1: SR 60 Resurfacing from the Kissimmee River Bridge to Blanket Bay Slough**

State Road Number: 60  
 Section Number: 92070-000  
 County: Osceola  
 Project Limits: From the east end of the Kissimmee River Bridge to Blanket Bay Slough  
 Begin MP/End MP: 0.113 to 6.931 (6.818 MI)  
 FM: 454213-1

1. Existing R/W Map Project Numbers:	92070-2501 (1999); MP 0.000 to MP 0.325, 50-ft LT and RT min 9207-107 (1956); MP 0.000 to MP 1.211, varies 50-ft LT and RT min 92070 (1926); MP 0.000 to MP 21.701, 35-ft LT and RT			
2. Old Construction Project Numbers:	445697-1 (2023); MP 4.800 to MP 19.540, AVT 428867-1 (2014); MP 1.229 to MP 19.956, Milling & Resurfacing 415509-1 (2006); MP 3.547 to MP 8.114, Milling & Resurfacing 411783-1 (2005); MP 0.447 to MP 3.472, Milling & Resurfacing 239718-1 (2003); MP 0.000 to MP 0.538, Bridge Construction 92070-3510 (1995); MP 1.229 to MP 16.040, Passing Lanes 92070-3512 (1993); MP 0.113 to MP 19.603, Paved Shoulders 92070-3505 (1985); MP 0.000 to MP 8.000, Milling & Resurfacing 92070-3501 (1964); MP 1.183 to MP 15.140, Lane Widening 9207-107 (1956); MP 0.000 to MP 1.145, Bridge Construction 9207-105 (1954); MP 5.281 to MP 5.304, Bridge Construction 9207-901 (1949); MP 0.000 to MP 22.364, Surface Treatment 9207-104 (1947); MP 0.000 to MP 21.890, New Construction			
3. Additional R/W required?	No.			
4. Level of Community Awareness Plan:	CAP Level 1, rural resurfacing.			
5. Agreements required?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Yes, including Local Funds.			
6. Are there any bridges within the limits?	#160216 over the Kissimmee River #920172 over Blanket Bay Slough			
7. Are there any RR Crossings within the project limits or in the vicinity?	No.			
8. Are there any Airports within 10 nautical miles?	Yes.			
9. Storm Water Management jurisdiction:	SJRWMD.			
10. Is the Project within the CCCL ( <i>Coastal Construction Control Line</i> )?	No.			
11. Existing Utilities: (per SS1C, as-builts, and field markers)	Florida Southeast Connection, LLC Frontier Peace River Electric Cooperative, Inc			
12. Any special MOT concerns?	Include temporary pedestrian route for the Florida National Scenic Trail during construction.			
13. Any construction concerns?	None.			
14. Design/Posted/Target Speeds (mph):	Location (MP)	Design Speed	Posted Speed	Target Speed
	0.113 to 6.931	65	60	60
15. Design Criteria and Context Classification:	SHS, FDM (2024), RRR			
	Location (MP)	Context Classification	Access Class	
	0.113 to 6.931	C2 "Rural"	03	
16. Lump Sum or Pay Item?	Pay Item.			
17. Proposed Design Schedule:	18-24 Months.			

The District has determined that this project is to be programmed as a "Pavement Only Project" (POP) and therefore additional roadway and roadside evaluation, analysis, improvements, etc. are not to be included.

The Engineer is responsible for verifying all items in the proposed scope and shall review the project for

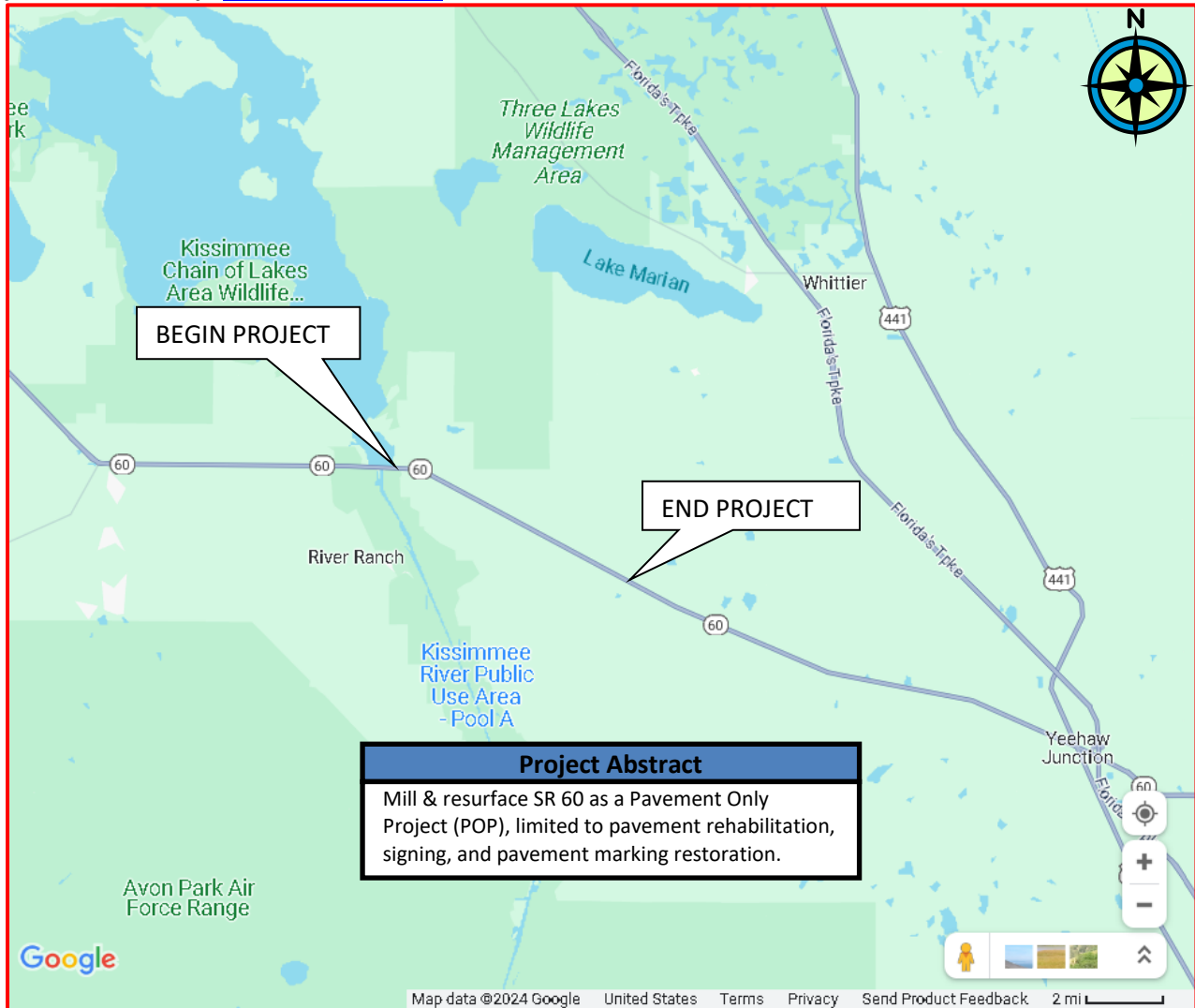
## Candidate POP Project Technical Scope

conformance with all applicable criteria and standards within the context of a POP.

### Local Agency Coordination:

Conduct a Stakeholder meeting during the design phase to confirm the proposed scope remains consistent with the expectations set during scoping, close the loop on what will be included in the project and learn of any changes that may have occurred since the Scopes development.

### Project Location Map: ([Google Maps Link](#))



### Intent and Nature of Project:

The purpose of the project is to restore the functional condition of the asphalt pavement to extend the service life of the existing roadway in accordance with FDOT Design Manual Section 114.1.4 as a POP. The nature of the project is limited to asphalt resurfacing, ADA compliance, detection restoration, and signing and pavement markings. The project is based on a request from the FDOT District 5 Pavement Management and Maintenance Office for a review of Roadway 92070-000 from MP 1.229 to MP 3.547 and MP 4.820 to MP 8.114. The project limits have been adjusted to avoid remnant sections and to match the FPID: 443702-1 adjacent project.

- The Scope and plan sheets are provided to convey the general overall intent of the project and to establish the estimated cost for programming. These documents are not intended to serve as detailed design level directives but are to communicate the projects primary objectives as approved by District staff. The Engineer is responsible for developing the final design within the constraints of the project budget while meeting the project's needs.

**Project Description:**

- Project is in southern Osceola County at the Kissimmee River, between Indian Lake Estates and Yeehaw Junction.
- SR 60 is classified as a rural principal arterial and is a designated evacuation route per the Florida Department of Emergency Management.
- The following projects have been identified within the vicinity of this POP project. The FDOT PM is to confirm the status, proposed improvements, and coordinate project limits prior to advertisement.
  - FPID: 443702-1 SR 60 East and Westbound Passing Lanes project from Blanket Bay Slough to Peavine Road is currently in design and anticipated to be let to construction in October 2024. The begin project limit will set this resurfacing project end project limit (MP 6.931 to MP 10.937).
  - FPID: 452574-1 SR 60 PD&E from the Polk County Line to US 441 to add lanes and reconstruct. The Study is anticipated to be advertised for design Fall 2024.

**Typical Sections:**

- Per as-built plans, the project includes 2 typical sections. No changes proposed.
  - Two lane undivided flush shoulder roadway with 12-ft travel lanes and 6-ft shoulders (4-ft paved). Dimensions noted are per the original SPN: 92070-3512 shoulder construction plans which are consistent with the field conditions. Subsequent resurfacing projects FPID: 415509-1 and FPID: 428867-1 indicate 10-ft total shoulders. The 4-ft paved shoulders are consistent across projects.
  - Three lane undivided flush shoulder roadway with two 12-ft travel lanes, one 12-ft passing lane, and 8-ft shoulders (4-ft paved). Dimensions noted are per the original SPN: 92070-3510 shoulder construction plans which are consistent with the field conditions. Subsequent resurfacing projects FPID: 415509-1 and FPID: 428867-1 indicate 10-ft total shoulders. The 4-ft paved shoulders are consistent across projects.

- Per 2023 traffic data:

MP	TMS Site No.	AADT	T%
10.513	160019*	11,200	33.1
10.942	920058*	10,000	32.5

\*Not within the project limits, data provided for traffic characteristics only.

**Roadway Scope Items:**

- A Pavement Condition Assessment has been requested and will be completed by FDOT. By observation the pavement is in fair to poor condition with moderate longitudinal cracking, rutting, and alligator cracking in the wheel paths. Three pavement designs have been assumed for estimating purposes: 1) milling and resurfacing all travel lanes, 2) milling and resurfacing the paved shoulders, and 3) locations of deeper rehabilitation.
- MPSV data will be requested; however, cross slope and superelevation correction are not to be included.
- Loose aggregate and sediment is depositing on the paved shoulder and outside travel lane from some unpaved turnouts. Construct an additional 5-ft asphalt apron to reduce collection on the paved shoulder. 5 locations have been assumed for estimating purposes.

**Drainage Scope Items:**

- The existing drainage structures and systems are to be maintained. No work.

**Utility Scope Items:**

- Adjust all valve covers, utility pull boxes, etc. to be flush with the roadside and roadway pavement as necessary to complete the proposed improvements.
- Quality Level C "QL C" utility information is anticipated.
- The Engineer is to confirm and show utility poles on all applicable plan sheets for the purpose of utility coordination.

**Multimodal Scope Items:**

- The Engineer shall include a project-specific pedestrian/bicyclist temporary traffic control plan.

Transit:

- There are no public transportation routes within the project limits.

Bicycles:

- The 4-ft paved shoulder serves as the bicycle facility.
  - There is no right turn lane keyhole; however, a turn lane paved shoulder is provided.

Pedestrians:

- There is no sidewalk.
  - A segment of the Florida National Scenic Trail utilizes the north side of the Right of Way from the Kissimmee River to Prairie Lakes Rd (MP 4.689), including a pedestrian way across the Kissimmee River Bridge. Temporary pedestrian measures will need to be addressed in the Traffic Control Plan. Proposed construction will not permanently impact the route.

**Permitting Scope Items:**

- Coordinate with FDOT, submitting a permit determination letter to the Environmental Permits Office, Attention District Five Permits Coordinator, for review and concurrence during the design process, considering the below descriptions of work and conditions.
  - This project is anticipated to exceed one acre of soil disturbing activities and will require NPDES coverage under the FDEP Generic Permit for Stormwater Discharge from Large and Small Construction Activities.
  - There are floodplains adjacent to the project. The current scope of work is not anticipated to have impacts, however if there are any changes to the scope of work, coordination with the FDOT Environmental Permits Office will be necessary for evaluation to determine if additional documentation must be provided.
  - Wetlands were noted within and adjacent to the Right of Way and are not to be impacted. The apparent wetland lines shown on the Concept are from the Florida Geographic Data Library and are for informational purposes only.

**Environmental Scope Items:**

- Complete an environmental assessment:
  - A protected species assessment is required for the project. The level of assessment should be commensurate with the scope of work. The assessment should focus on species applicable to the project area with consideration given to consultation areas, habitats, and known occurrence data.
  - A contamination assessment is required for the project. The level of documentation required will be dependent on the contamination sites in the area, scope of work proposed, and previous assessments conducted. Coordinate with the District Contamination Impact Coordinator to determine project needs.
- A Cultural Resources Assessment is required and is to be conducted by Cultural Resources Professionals as outlined in 36 CFR Part 61 and set forth in the Professional Qualifications Standards section of the Secretary of the Interior's Standard and Guidelines for Archaeology and Historic Preservation.
  - There are potential 4(f) resources along the project limits: Blanket Bay Marsh Public Use Area, KICCO WMA/S-65 Boat Ramp, and Three Lakes WMA.

**Structural Scope Items:**

- No work.

**Traffic Operations (Includes Signing, Signals, ITS) Scope Items:**

Signing and Pavement Markings

- Signing and pavement markings shall be completed for the project limits. Inventory all signing including evaluation for compliance with all applicable criteria and coordinate with the District Design Office for any changes to existing signing. Any existing signs that conflict with the proposed signs or pavement markings, and non-compliant signs or pavement markings, are to be addressed in the plans.
  - A No Passing Zone study is not required, the existing passing restrictions are to be carried

forward.

- This project qualifies for lane departure mitigation thru the application of Audible and Vibratory Treatment based on the posted speed equal or greater than 50 mph and flush shoulder typical section.

#### Signals

- No work.

#### Intelligent Transportation Systems (ITS)

- Modifications are to be consistent with the ITS Master Plan. The Engineer;
  - Shall follow the Risk Assessment protocol, including Checklist and Systems Engineering analysis.
  - Shall designate fiber in the plans, determine any conflicts and resolve.
- Additional ITS guidance can be found here:  
[https://www.cflsmartroads.com/projects/technical\\_docs.html#\(Designers\)](https://www.cflsmartroads.com/projects/technical_docs.html#(Designers))

#### **Lighting Scope Items:**

- No work.

#### **Landscaping Scope Items:**

- No work.

#### **Survey Scope Items:**

##### Design Survey

- Obtain Design Survey, collecting data for the areas and locations of proposed work. Total survey area will be determined by the Engineer based on the limits of disturbance.
  - Survey locations in relation to the State Plane Coordinate System.
  - Locate utilities as Quality Level C "QL C" and surface features including valve covers, meter boxes, manholes, etc. within the areas of proposed work.
  - Include items identified by the environmental assessment.

##### Right of Way Mapping

- No work.

#### **Office of Right of Way Scope Items:**

- No work.

#### **Geotechnical and Pavement Scope Items:**

- FDOT to perform Pavement Coring Report and provide ESAL calculation and Resilient Modulus values.

#### **Design Documentation:**

- POP projects are exempt from Design Variation and Exception documentation other than for ADA curb ramp requirements.
- Design Variation Memorandum
  - None.
- Design Variation
  - None.
- Design Exception
  - None.

#### **Additional Items Considered During Scoping:**

- Depressional areas and voids in the paved and unpaved shoulders were noted at 2 cross drain locations, indicative of a potential pipe joint leaking or other culvert issue. Information was forwarded to the District Maintenance Office to be addressed prior to this project's advertisement.
  - MP 3.184 RT
  - MP 4.181 RT (void under paved shoulder)