



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2019-2020

LFIR#: 1168

1. **Title of Project:** Florida Polytechnic U- Advanced Mobility Research

2. **Senate Sponsor:** Kelli Stargel

3. **Date of Submission:** 01/31/2019

4. **Project/Program Description:**

Florida Polytechnic University is located adjacent to SunTrax, a project of the Florida Turnpike Enterprise (FTE). In partnership with the FTE, Florida Poly seeks to establish a nationally recognized research effort to test and verify autonomous vehicle technology, a market projected to be over \$100 billion within 15 years. Using \$500,000 appropriated for 2018-19 the University has eight faculty members who are collaborating on preventing crashes, identifying sources of electromagnetic interference between vehicles, identifying requirements for human/machine interfaces, and defining the testing infrastructure needed to attract industry to SunTrax. This request seeks to continue and expand those efforts, leading to external funding.

5. **State Agency to receive requested funds :** Board of Governors

State Agency Contacted? Yes

6. **Amount of the Nonrecurring Request for Fiscal Year 2019-2020**

Type of Funding	Amount
Operations	500,000
Fixed Capital Outlay	
<b>Total State Funds Requested</b>	<b>500,000</b>

7. **Total Project Cost for Fiscal Year 2019-2020 (including matching funds available for this project)**

Type of Funding	Amount	Percent
Total State Funds Requested (from question #6)	500,000	100.0%
Federal	0	0.0%
State (excluding the amount of this request)	0	0.0%
Local	0	0.0%
Other	0	0.0%
<b>Total Project Costs for Fiscal Year 2019-2020</b>	<b>500,000</b>	<b>100.0%</b>

8. **Has this project previously received state funding?** Yes

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	NonRecurring		
2018-19		500,000	143	No

9. **Is future-year funding likely to be requested?** Yes

a. **If yes, indicate non-recurring amount per year.** 500000



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**10. Details on how the requested state funds will be expended**

Spending Category	Description	Amount
<b>Administrative Costs:</b>		
Executive Director/Project Head Salary and Benefits		
Other Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		
<b>Operational Costs:</b>		
Salary and Benefits	Salary and benefits for eight faculty members.	500,000
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		
<b>Fixed Capital Construction/Major Renovation:</b>		
Construction/Renovation/Land/Planning Engineering		
<b>Total State Funds Requested (must equal total from question #6)</b>		<b>500,000</b>

**11. Program Performance:**

**a. What is the specific purpose or goal that will be achieved by the funds requested?**

Continue the research efforts started in 2018-19; establish Florida Poly as a leader in autonomous vehicle testing; develop an asset available to all universities for their research efforts.

**b. What are the activities and services that will be provided to meet the intended purpose of these funds?**

Outreach to industry; development of crash database; creation of a complete solution for autonomous vehicle research, development and testing.

**c. What are the direct services to be provided to citizens by the appropriations project?**

Industries will be able to partner with Florida Poly and SunTrax to test and verify components, ultimately increasing consumer safety and transportation efficiency.

**d. Who is the target population served by this project? How many individuals are expected to be served?**

Manufacturers of autonomous vehicles and their components will be important partners in this effort. Application of the advances can be applied to mass transit, logistics, planned communities, agriculture, marine transportation and passenger vehicles. Ultimately thousands of individuals may be served.

**e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?**

Expected benefits for industry will be measured through increased safety, efficiency, and reduced costs. Economic impact on Florida will be measure through jobs created; companies locating to Florida to take advantage of the testing environment; and improved transportation safety and efficiency measures.

**f. What are the suggested penalties that the contracting agency may consider in addition to its standard**



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#### **penalties for failing to meet deliverables or performance measures provided for in the contract?**

Reduction in funds; program review; reversion of remaining funds.

#### **12. The owner(s) of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owner(s) of the facility and the entity.**

There is no fixed capital outlay funding requested.

#### **13. Requestor Contact Information:**

- a. **Name:** Dr. Randy K. Avent
- b. **Organization:** Florida Polytechnic University
- c. **E-mail Address:** ravent@floridapoly.edu
- d. **Phone Number:** (863)874-8614

#### **14. Recipient Contact Information:**

- a. **Organization:** Florida Polytechnic University
- b. **County:** Polk
- c. **Organization Type:**
  - For Profit
  - Non Profit 501(c) (3)
  - Non Profit 501(c) (4)
  - Local Entity
  - University or College
  - Other (Please specify)
- d. **Contact Name:** Kathy Mizereck
- e. **E-mail Address:** kmizereck@floridapoly.edu
- f. **Phone Number:** (850)509-2726

#### **15. Lobbyist Contact Information**

- a. **Name:** Dave Shepp
- b. **Firm Name:** Southern Strategy Group
- c. **E-mail Address:** shepp@sostrategy.com
- d. **Phone Number:** (863)582-4250