

# Appropriations Project Request - Fiscal Year 2017-18

## For projects meeting the Definition of House Rule 5.14

1. Title of Project: Real Time Monitoring and Prediction of Reduced Visibility Events on Florida's Highways

2. Date of Submission: 02/07/2017

3. House Member Sponsor: Matt Caldwell

Members Copied:

### 4. DETAILS OF AMOUNT REQUESTED:

a. Has funding been provided in a previous state budget for this activity? Yes

***If answer to 4a is ?NO? skip 4b and 4c and proceed to 4d***

b. What is the most recent fiscal year the project was funded? 2016-17

c. Were the funds provided in the most recent fiscal year subsequently vetoed? No

d. Complete the following Project Request Worksheet to develop your request (Note that column E will be the total of Recurring funds requested and Column F will be the total Nonrecurring funds requested, the sum of which is the Total of the Funds you are requesting in column G):

FY:	Input Prior Year Appropriation for this project for FY 2016-17 <i>(If appropriated in 2016-17 enter the appropriated amount, even if vetoed.)</i>			Develop New Funds Request for FY 2017-18 <i>(Requests for additional RECURRING funds are prohibited. Any additional Nonrecurring funding requested to supplement recurring funds in the base will result in the base recurring amount being converted to Nonrecurring .)</i>		
	Column:	A	B	C	D	E
Funds Description:	Prior Year Recurring Funds	Prior Year Nonrecurring Funds	Total Funds Appropriated  <i>(Recurring plus Nonrecurring: column A + column B)</i>	Recurring Base Budget <i>(Will equal non-vetoed amounts provided in Column A)</i>	<b>Additional Nonrecurring Request</b>	<b>TOTAL Nonrecurring Request</b> <i>(Will equal the amount from the Recurring base in Column D to be CONVERTED to Nonrecurring plus the Additional Nonrecurring Request in Column E. These funds will be appropriated non-recurring if funded in the House Budget or the Final Conference Report on the budget.)</i>
Input Amounts:		1,500,000	1,500,000		2,000,000	2,000,000

5. Are funds for this issue requested in a state agency's Legislative Budget Request submitted for FY 2017-18? No

5a. If yes, which state agency?

5b. If no, which is the most appropriate state agency to place an appropriation for the issue being requested? For example, if the requested issue pertains to services provided to inmates at correctional facilities, the Department of Corrections would be the most appropriate state agency. Department of Transportation

6. Requester:

- a. Name: Rhonda Copley
- b. Organization: PraxSoft
- c. Email: rhonda@praxsoft.com
- d. Phone #: (407)903-9396

7. Contact for questions about specific technical or financial details about the project (Please retype if same as Requester):

- a. Name: Dr. Christina Drake
- b. Organization: Florida Polytechnic University
- c. Email: cdrake@flpoly.org
- d. Phone #: (863)874-8554

8. If there is a registered lobbyist, fill out the lobbyist information below.

- a. Name: Christopher Coker
- b. Firm: Coker Consulting, llc
- c. Email: chris@cokerconsultingfl.com
- d. Phone #: (850)570-5432

9. Organization or Name of Entity Receiving Funds(Please retype if same as Requestor or Contact):

- a. Name: Florida Polytechnic University
- b. County (County where funds are to be expended): Alachua, Broward, Glades, Lake, Marion, Okeechobee, Orange, Palm Beach, Polk, Seminole, Volusia
- c. Service Area (Counties being served by the service(s) provided with funding): Statewide

10. What type of organization is the entity that will receive the funds? (Select one)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)

- Local Government
- University or College
- Other (Please describe)

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

The purpose of this project is to affordably improve prediction, detection and dissemination of visibility obstructions on Florida roadways with the goal of reducing crashes, improving traffic management, increasing efficiency, saving money and most protecting the lives of the more than 18 million residents who call Florida home.

12. Provide specific details on how funds will be spent. (Select all that apply)

Spending Category	Description	Nonrecurring (Should equal 4d, Col. F) Enter ?0? if request is zero for the category
Administrative Costs:		
<input checked="" type="checkbox"/> a. Executive Director/Project Head Salary and Benefits	Will manage the technical direction of program and be responsible for producing results in line with the purpose and goals of the program.	100,000
<input type="checkbox"/> b. Other Salary and Benefits		
<input type="checkbox"/> c. Expense/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> d. Consultants/Contracted Services/Study		
Operational Costs:		
<input checked="" type="checkbox"/> e. Salaries and Benefits	Those employed under this description includes university researchers and students. they will be responsible for execution of tasks and the research and engineering of systems to meet state driver travel	300,000

	needs	
<input checked="" type="checkbox"/> f. Expenses/Equipment/Travel/Supplies/Other	Equipment and supplies are needed to build and install the site-specific locations for the Fog Prediction System. Travel is necessary to verify a robust and high fidelity system at the sites where fog is most-likely to reduce visibility and impact motorists.	650,000
<input checked="" type="checkbox"/> g. Consultants/Contracted Services/Study	PraxSoft would continue under contract as the developer of the statewide weather model and algorithms that have been successfully shown in earlier phases of this project to predict fog in advance of major visibility decline.	950,000
Fixed Capital Construction/Major Renovation:		
<input type="checkbox"/> h. Construction/Renovation/Land/Planning Engineering		
<b>TOTAL</b>		<b>2,000,000</b>

13. For the Fixed Capital Costs requested with this issue, what type of ownership will the facility be under when complete? (In Question 12, if ?h. Fixed Capital Outlay? was not selected, question 13 is not applicable)

N/A

14. Is the project request an information technology project?

No

15. Is there any documented show of support for the requested project in the community including public hearings, letters of support, major organizational backing, or other expressions of support?

No

16. Has the need for the funds been documented by a study, completed by an independent 3rd party, for the area to be served?

No

17. Will the requested funds be used directly for services to citizens?

Yes

17a. Describe the target population to be served. Select all that apply to the target population:

- Elderly persons
- Persons with poor mental health
- Persons with poor physical health
- Jobless persons
- Economically disadvantaged persons
- At-risk youth
- Homeless
- Developmentally disabled
- Physically disabled
- Drug users (in health services)
- Preschool students
- Grade school students
- High school students
- University/college students
- Currently or formerly incarcerated persons
- Drug offenders (in criminal Justice)
- Victims of crime
- Other (Please describe): All drivers and passengers on roadways in the state of Florida.

17b. How many in the target population are expected to be served?

- < 25
- 25-50
- 51-100
- 101-200
- 201-400
- 401-800
- >800

18. What benefits or outcomes will be realized by the expenditure of funds requested? (Select all that applies)

Benefit or Outcome	Provide a specific measure of the benefit or outcome	Describe the method for measuring level of benefit
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<input type="checkbox"/> Improve physical health		
<input type="checkbox"/> Improve mental health		
<input type="checkbox"/> Enrich cultural experience		
<input type="checkbox"/> Improve agricultural production/promotion/education		
<input type="checkbox"/> Improve quality of education		
<input type="checkbox"/> Enhance/preserve/improve environmental or fish and wildlife quality		
<input type="checkbox"/> Protect the general public from harm (environmental, criminal, etc.)		
<input checked="" type="checkbox"/> Improve transportation conditions	Ability to provide the state officials a warning for the formation of fog prior to major decline in visibility so that appropriate travel warnings can be made to drivers.	Measurement of the time window ahead of a visibility reduction event so that drivers can be warned or redirected.
<input type="checkbox"/> Increase or improve economic activity		
<input type="checkbox"/> Increase tourism		
<input type="checkbox"/> Create specific immediate job opportunities		
<input type="checkbox"/> Enhance specific individual's economic self sufficiency		
<input type="checkbox"/> Reduce recidivism		
<input type="checkbox"/> Reduce substance abuse		
<input type="checkbox"/> Divert from Criminal/Juvenile justice system		
<input type="checkbox"/> Improve wastewater management		

<input type="checkbox"/> Improve stormwater management		
<input type="checkbox"/> Improve groundwater quality		
<input type="checkbox"/> Improve drinking water quality		
<input type="checkbox"/> Improve surface water quality		
<input type="checkbox"/> Other (Please describe):		

19. Provide the total cost of the project for FY 2017-18 from all sources of funding (Enter ?0? if amount is zero):

Type of Funding	Amount	Percent of Total (Automatically Calculates)	Are the other sources of funds guaranteed in writing?
1. Amount Requested from the State in this Appropriations Project Request:	2,000,000	100.0%	N/A
2. Federal:	0	0.0%	No
3. State: (Excluding the requested Total Amount in #4d, Column F)	0	0.0%	No
4. Local:	0	0.0%	No
5. Other:	0	0.0%	No
<b>TOTAL</b>	<b>2,000,000</b>	<b>100%</b>	

20. Is this a multi-year project requiring funding from the state for more than one year?

No