

**State of Florida
Department of Transportation**



Request for Information

**District Five PedSafe/Greenway
Deployment Project-Autonomous
Shuttle for University of Central Florida
Campus**

RFI-DOT-18-19-5001-UCF

Florida Department of Transportation
Procurement Office, MS-524
719 South Woodland Boulevard
DeLand, Florida 32720-6834

Cover Page

REQUEST FOR INFORMATION (RFI) from the Florida Department of Transportation.

The Department of Transportation, hereafter referred to as “Department”, in partnership with the University of Central Florida (UCF), is requesting the following information from prospective vendors regarding the commodities and/or contractual services described below.

Description of commodities/contractual services

This Request for Information is to solicit information from the private sector and not intended to select a contractor, vendor, or consultant for a final team.

The Department will be pursuing a new turnkey solution providing autonomous vehicle (AV) shuttle operation on the main campus of the University of Central Florida.

The Department is requesting information from parties interested in working with us and what those parties bring to the team.

Timeline

Provided below is a list of critical dates and actions. These dates are subject to change. Notices of changes (addenda) will be posted on the Florida Vendor Bid System at www.myflorida.com (click on “BUSINESS”, click on “Doing Business with the State”, under “Everything for Vendors and Customers”, click on “Vendor Bid System (VBS)”, click on “Search Advertisements”) under this bid number. It is the responsibility of all potential Proposer’s to monitor this site for any changing information prior to submitting your proposal.

Unless otherwise specified, all public meetings will be held at the address provided on the cover sheet.

ACTION / LOCATION	DATE	LOCAL TIME
ADVERTISEMENT DATE	August 16, 2018	4:00 PM
DEADLINE FOR ALL QUESTIONS	September 5, 2018	11:00 AM
QUESTIONS AND ANSWERS POSTED	September 10, 2018	4:00 PM
PROPOSAL DUE DATE	September 18, 2018	2:00 PM
PUBLIC OPENING OF INFORMATION RECEIVED	September 18, 2018	3:00 PM

Specific Information Requested in RFI

- 1) Provide the options available to the Department for vehicle procurement (e.g. purchase, lease, lease-to-own).
- 2) Provide schedule of operation for the proposed route(s), inclusive of minimum number of vehicles required and available service operation mode and frequency options.

- 3) Provide operational procedure(s) to achieve the minimal risk condition following a system failure or operational anomaly.
- 4) Provide concept of operations for autonomous shuttle, including risk and mitigation plan.
- 5) Provide the generation of the following systems:
 - Object and Event Detection
 - Navigation
 - Chassis and Drive
- 6) Provide plan for minimum cybersecurity countermeasures.
- 7) Provide specifications related to autonomous vehicle technology; e.g. systems, sensors, electrical propulsion, battery life and replacement, passenger capacity and interior features.
- 8) Provide details, specifications, and available options for electrical charging infrastructure platform(s) and necessary existing infrastructure.
- 9) Provide information related to additional infrastructure that may be required for autonomous vehicle operation, e.g. ancillary ground-mount sensors.
- 10) Provide information on the procedures for modifying and expanding existing routes, or creating new routes.
- 11) Provide details on software suites and/or mobile applications provided as a component of vehicle operations.
- 12) Provide best practice information related to storage of vehicles and systems.
- 13) Provide details on the infrastructure required, e.g. additional sidewalk, curb ramps, railing, etc., necessary to ensure ADA compliant shuttle stops.
- 14) Provide information on the ability of the vehicle and sensor arrays to operate safely in severe weather and limited visibility conditions. Additionally, describe how vehicle will determine whether or not safe operation is achievable, and how vehicle will respond to severe weather conditions if/when encountered during operation.

The Department requests proposals to be delivered on single sided 8.5" X 11" sheets. Resumes may be provided for key personnel that may be critical to the success of your team, but are not required.

Please provide **one (1) hard copy** of the response to this RFI **and one (1) CD or DVD**.

Mail or Deliver Proposals to: Florida Department of Transportation
Do NOT E-mail or Fax Attn: Tammy Hodgkins, CPPB, BAS
719 South Woodland Boulevard MS #4-524
DeLand, Florida 32720-6834
(386) 943-5000

It is the Proposer's responsibility to assure that the RFI is delivered to the proper place **on or before** the RFI Due Date and time (See Timeline). The Proposal which for any reason is not so delivered will not be considered.

NOTE: Proposals to this Request for Information (RFI) will be reviewed by the agency for informational purposes, and will not be considered as offers to be accepted by the agency to form a binding contract. Advertisement of any subsequent competitive solicitation that may result from this RFI will be posted on the Florida Vendor Bid System.

Contact for Questions or Clarification

All questions arising from this Request for Information must be forwarded, in writing, to the District 5 procurement questions mailbox at D5.ProcurementQuestions@dot.state.fl.us When submitting questions, please reference the RFI Number in the Subject Line; RFI-DOT-18-19-5001-UCF.

In accordance with section 287.057(23), Florida Statutes, respondents to this solicitation or persons acting on their behalf may not contact, between the release of the solicitation and the end of the 72-hour period following the agency posting the notice of intended award, excluding Saturdays, Sundays, and state holidays, any employee or officer of the executive or legislative branch concerning any aspect of this solicitation, except in writing to the procurement officer or as provided in the solicitation documents. Violation of this provision may be grounds for rejecting a response.

Questions will be responded to at the discretion of the Department. Responses will be posted on or before September 10, 2018 to the Vendor Bid system at: www.myflorida.com (click on "BUSINESS", click on "Doing Business with the State", under "Everything for Vendors and Customers", click on "Vendor Bid System (VBS)", click on "Search Advertisements") under this bid number. It is the responsibility of all potential Respondents/Proposer's to monitor this site for any changing information prior to submitting a response.

Response Opening Agenda

The sealed proposals will be opened by the Department's Procurement Office personnel at the date, time and location in the Timeline. All proposal openings are open to the public and will be conducted ~~to the following~~ agenda:

Opening remarks – Approximate time of 2 minutes by Department Procurement Office personnel.

Public input period – To allow a maximum of 15 minutes total for public input related to the bid solicitation.

Bids opened – At conclusion of public input or 15 minutes, whichever occurs first, bids received timely will be opened with bidder's name and prices to be read aloud.

Adjourn - After all proposals received timely have been opened, the meeting will be adjourned.