



**Terry L. Rhodes**  
Executive Director

2900 Apalachee Parkway  
Tallahassee, Florida 32399-0500  
[www.flhsmv.gov](http://www.flhsmv.gov)

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To: Prospective Vendor(s)  
Date: December 12, 2018  
Subject: RFI Number: DHSMV-RFI-013-19  
Predictive Analytics Systems

Addendum No. 1

The enclosed is provided for consideration in the preparation of your response to the above-referenced RFI. This addendum provides the following:

Item No. 1. Section 5.0 REQUESTED INFORMATION, subsection B., Tab D – Cost an amended Tab D – Cost

Item No. 2. Written answers to Vendors' written questions.

Sincerely,  
*Trey Collins*  
Trey Collins, Chief  
Bureau of Purchasing and Contracts

Enclosed: Addendum No. 1 (6 pages)

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**December 12, 2018**

**Item No. 1**

Section 5.0 REQUESTED INFORMATION, subsection B., Tab D – Cost, is hereby amended as follows (additions are underlined and deletions are ~~stricken~~):

**Tab D – Cost**

Provide sample cost information that would apply to a solution as described in your RFI response, including but not limited to, the following:

1. Describe your pricing model and typical fees associated with your product.
2. Do you also provide additional training, managed integration services, enhanced support, and/or consulting services? If so, describe the services and include pricing structure or typical associated fees.
3. Product or Line Item.
4. Quantity Required – Number of each product/line item required. Cost per product or line item.
5. Overall Initial Cost (~~5~~3-year term).
6. Optional Renewal term (~~5~~3-years).
7. License fees associated with the solution.
8. Describe costs for a limited-scope pilot program.

NOTE: To preserve your company's ability to bid on any future procurements related to this RFI, it is important to provide general pricing information only (i.e., competitive ranges, and variable impacting price, etc., not a specific price quote).

**Item No. 2**

**Questions and Answers**

Note: All written questions are reproduced in the same format as submitted by the Respondent.

<b>Question(s) received on 12/3/18 from ESRI:</b>		
1.	<b>Question:</b>	In section 1.0, bullet 2; "Ingest and analyze data points from multiple sources..."; will any or all data sources be sourced internally from the State of Florida? If no, will the State of Florida require that externally sourced data be supplied by solution vendor, or will the State negotiate those sources separately?
	<b>Answer:</b>	Several data sources will be from internal Department and state resources. Other sources would be external; the Department would expect the solution vendor to negotiate those sources but would work closely to facilitate as necessary.

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2.	Question:	What level of geographic granularity is required for predictive analysis to be applied to? (e.g. area grids? road segments? point locations?)
	Answer:	The Department's preference is for two to five (2-5) square mile grids. One to two (1 to 2) mile road segments would also be considered.
3.	Question:	In section 1.0, bullet 3; "Present modeling results...in an easy-to-understand user interface...", and relating to section 5.0, Tab A, bullet 5; "COTS technologies"; if a COTS solution is not adequate for desired results, and custom development is required utilizing open API's and SDK's, will the State of Florida handle development internally? Or, will the State require development be performed by vendor?
	Answer:	The intent of this RFI is to obtain a developed solution. The Department does not intend to develop internally. If a custom solution must be developed, the Department would work with the contractor to provide requirements for that development.
4.	Question:	Does the State need a system that would help them build Accident Prediction models - OR - an Accidents Prediction solution/engine and analytical capabilities that would help them mine accidents patterns?
	Answer:	The Department is seeking information on a complete solution to mine accident patterns and present predictive information to commanders, the public, and troopers.
<b>Question(s) received on 12/3/18 from Lokisol:</b>		
5.	Question:	General: 1. Is DDACTS doing any crash predictions.
	Answer:	DDACTS is not currently doing predictions but is identifying hotspots based on frequency.
6.	Question:	General: 2. What is a measure of successful system
	Answer:	A successful system would provide accurate prediction of crash occurrences at a rate greater than seventy percent (70%); a successful pilot would demonstrate a reduction in response times to crashes and, possibly, a reduction in crash occurrences in any pilot area.
7.	Question:	General: 3. Are you looking at keeping their existing devices or looking at suggestions for new device types.
	Answer:	This RFI is not seeking information on new devices.
8.	Question:	General: 4. Can we use Sub contractors that are not registered with the state

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	<b>Answer:</b>	Yes, however, the Department would not have any contractual relationship with the subcontractor(s), and the contractor would be solely responsible for the performance of the subcontractor(s). The Department intends to work with a single contractor as the primary solution provider.
9.	<b>Question:</b>	General: 5. What data sources are available to us from Florida highway patrol or state government to help us with the model.
	<b>Answer:</b>	Crash reports, calls for service, and construction data would be available. Crash reports contain multiple data points such as geolocation, weather conditions, etc.
10.	<b>Question:</b>	General: 6. Do we have access to crash data?
	<b>Answer:</b>	The contractor would be given access to this data.
11.	<b>Question:</b>	General: 7. Do we have access to construction road projects data?
	<b>Answer:</b>	The contractor would be given access to this data.
12.	<b>Question:</b>	General: 8. How much historical data do we have access to develop models?
	<b>Answer:</b>	The Department currently has more than five (5) years of data available.
13.	<b>Question:</b>	TAB C: 3. Are you expecting IOT device data as a source, is there any example of IOT currently.
	<b>Answer:</b>	No, not at the moment, but the Department would consider IoT as a source.
14.	<b>Question:</b>	TAB C: 4. Are you expecting R integration v. Python
	<b>Answer:</b>	The Department does not have a preference.
15.	<b>Question:</b>	TAB C: 5. How much time will be allotted to provide the model or enhance the model

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	<b>Answer:</b>	The Department has not yet made a determination. Vendor's are encouraged to provide information pertaining to this question in their RFI response.
16.	Question:	TAB C: 8. Do you have a preference for mobile platforms
	<b>Answer:</b>	The Department currently uses iOS devices.
17.	Question:	TAB C: 9. [1] What are they considering accessible in the sense of security [2] Do you have a preferred authentication method for the system that you are currently using.
	<b>Answer:</b>	Active Directory integration would be the preferred method of authentication for any system, but the Department would consider other options.
18.	Question:	TAB C: 10. Clarity is required on preferred data types or exclusions
	<b>Answer:</b>	Since this is an emerging concept, this would require ongoing discussions with any contracted provider.
19.	Question:	TAB C: 11. Are you currently using Tableau or PowerBI
	<b>Answer:</b>	The Department currently uses Tableau.
20.	Question:	TAB C: 13. What are the existing data connections (Bandwidth) that are being used for the FHP
	<b>Answer:</b>	This depends on the environment. Mobile devices connect via NetMotion VPN over 4gLTE; local troops connect via 10 or MBPs WAN.
21.	Question:	TAB C: 15. What are the acceptable (efficient) types of notifications based on the current devices being used.
	<b>Answer:</b>	Email notifications would be sufficient, or notification upon logging into any provided system or solution.
22.	Question:	TAB D: 3. What type of itemized cost structure that you are asking for

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	<b>Answer:</b>	The Department needs to understand what costs would be required of its personnel to implement a solution. Therefore, vendors should provide this information in their RFI responses.
23.	<b>Question:</b>	TAB D: 8. What is defined as a limited scope pilot program
	<b>Answer:</b>	The pilot would be limited to a small geographic area to begin in order to evaluate effectiveness.
24.	<b>Question:</b>	TAB E: 1. [1]Do you have a preference cloud based v. on premise hardware [2] do you have a estimate of timeframe for this project
	<b>Answer:</b>	1. The preference for this project would be cloud, but the Department would consider on-premise hardware. 2. Please see section 1.0 INTRODUCTION for information about the timeframe for this project.
25.	<b>Question:</b>	TAB E: 5. To what detail are you expecting to provide level of effort
	<b>Answer:</b>	The Department needs to understand what work would be required of its personnel to implement a solution. Vendors are encouraged to provide this information in their RFI responses.
26.	<b>Question:</b>	TAB E: 7. To what detail are you expecting to provide level of effort
	<b>Answer:</b>	Please see the answer to question 25.
27.	<b>Question:</b>	TAB E: 8. What are you referring to a configuration tool
	<b>Answer:</b>	The Department does not understand the question.
28.	<b>Question:</b>	TAB E: 9. What is the expectation around system availability. Is this considered a critical system 24/7.
	<b>Answer:</b>	This system would not be considered mission critical 24/7 at the onset but could evolve into a 24/7, mission critical system depending on the results of pilot and adoption.
<b>Question(s) received on 12/3/18 from Perpetuo:</b>		
29.	<b>Question:</b>	1. The anticipated term of the contract on page two of the RFI states three years with a three year renewal. On page five of the RFI under the Tab D - Cost heading item 5 and 6 is cost for a five year term and five year renewal. Is the anticipated term and renewal three or five years?

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	<b>Answer:</b>	Please see Item No. 1 of this addendum.
30.	<b>Question:</b>	2. What is the anticipated number of users of the product?
	<b>Answer:</b>	Concurrent users would likely be less than 50 for a pilot program.
31.	<b>Question:</b>	3. What Florida roadways are to be encompassed within the crash prediction model?
	<b>Answer:</b>	Though we have jurisdiction across the entire state, the Florida Highway Patrol is statutorily responsible for State Roads and Interstates, primarily, and county roads, secondarily.
<b>Question(s) received on 12/3/18 from IBI:</b>		
32.	<b>Question:</b>	Is there a requirement to clean the data for use prior to applying models and use in predictive analysis?
	<b>Answer:</b>	This would depend on the data sets, but there is a possibility some data would need to be cleaned.
33.	<b>Question:</b>	What data sources provide historical data and which are 'real time' (ex: weather).
	<b>Answer:</b>	Crash reports would be historical, and weather would be both historical and real time. Waze integration would be real time.
34.	<b>Question:</b>	Do you have a preference for cloud provider?
	<b>Answer:</b>	The Department does not have a preference for a cloud provider.
35.	<b>Question:</b>	How do you define 'off the shelf data analysis functions'? What do you currently use for these capabilities?
	<b>Answer:</b>	We use Tableau currently. The Department is looking for a tool to provide these functions, including ready-built models that can accept imported data sets.
36.	<b>Question:</b>	Will the solution interact with your GIS mapping application and database? ESRI?
	<b>Answer:</b>	This is a possibility, depending on proposed solutions.