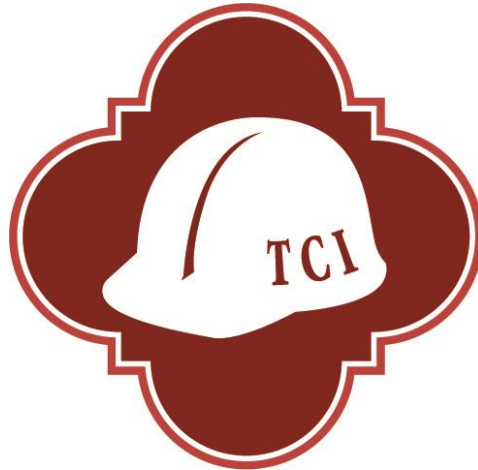


CITY OF SAN ANTONIO

TRANSPORTATION & CAPITAL IMPROVEMENTS



**REQUEST FOR INFORMATION
("RFI")**

for

**Autonomous Vehicles Pilot Program
RFI 18-97; 6100010540**

**Date Issued: July 20, 2018
Proposals Due: August 20, 2018 at 11:00 AM – C.T.**

Purpose

The purpose of this Request for Information (“RFI”) is to enable the City of San Antonio, Transportation & Capital Improvements, (“City”) to obtain information from potential Respondents regarding the use of autonomous vehicles for specific use cases within the City. Depending on the responses received, the City may choose a potential use case for a short-term pilot prior to scaling to a long-term deployment.

Overview

The City of San Antonio is anticipated to experience tremendous growth, resulting in an additional 1 million people by year 2040. This increase will be accompanied by an increase in housing, employment, more vehicles on our roadways and greater demands on public transit and on our infrastructure in general. The City initiated SA Tomorrow, an unprecedented, multifaceted planning initiative, to accommodate this growth while preserving what makes San Antonio a great place to live. While the SA Tomorrow effort consists of three plans, the Comprehensive Plan, the Sustainability Plan and the Multimodal Transportation Plan, the Comprehensive Plan is the umbrella document that unifies the vision, goals and policies of the other plans. These three plans provide guidance on how the City will develop over the next 25 years.

Approved by City Council in August 2016, the SA Tomorrow Multimodal Transportation Plan (Multimodal Plan) is formed around the Transportation & Connectivity goals and policies framed by the Comprehensive Plan. It provides policy guidance creating a roadmap to transform our current transportation system into one that is sustainable, safe, convenient and efficient, inclusive of all modes and providing our residents with transportation options in 2040. The Multimodal Plan is a long-range blueprint for travel and mobility in San Antonio and Bexar County, establishing a shift in focus from moving vehicles to moving people. The Multimodal Plan will communicate the City’s transportation strategy and will serve as a tool to analyze transportation priorities to meet community goals.

As part of planning for the future, the City is seeking to better understand how emerging technology, such as autonomous vehicles, may improve connectivity by filling transportation service gaps, improve safety by reducing potential driver error, and also shift the focus to moving people and not just vehicles. The City is seeking to gather information from the industry that has experience providing autonomous vehicle services. The City hopes to gain a better understanding of services currently in the marketplace and their functionality. Responses to this Request for Information may be used by the City to provide information that will assist the City to draft scopes of work, develop contract requirements, and maximize vendor participation to leverage competitive contract pricing.

Objective

The intent of this RFI is to gather data to assist the City in understanding the feasibility of using autonomous vehicles for specific use cases within the City. The City has developed potential uses as listed below; however, the Respondent is welcome to provide additional use cases applicable to the City. The Respondent should provide general information about the capabilities of its solution(s) and identify key differentiators from competitors. The City’s primary objectives of this RFI are to learn the following from the Respondent, as well provide some initial conditions that the City has assessed.

- **Innovation Zones** – The City of San Antonio is developing Innovation Zones in several key areas of the city. The Innovation Zones will be used as proving grounds to test various types of smart city technology, including autonomous vehicles, smart streetlights, various sensors, and Wi-Fi connectivity. The following areas are two of the initial Innovation Zones to be considered for this RFI:
 - **Brooks** – Brooks is a 1,300 acre mixed use campus that includes various options to live, learn, work and play. This area has attracted over 3,000 jobs and includes facilities for institutions of higher learning, light manufacturing, retail, and residential living. The potential use case is the transportation of employees, visitors, and residents in and around the campus. Consideration should be given on how to integrate the VIA Metropolitan Transit (VIA) Brooks Transit Center and VIA’s new Primo operation on SW Military Drive in 2019.
 - **Medical Center** – The South Texas Medical Center is a 900 acre campus which includes over 27,000 medical facility employees, over 29,000 employees at associated business, and over 300,000 vehicles daily. The potential use case is the first mile/last mile transportation of employees, visitors, and patients in and around the medical center. Consideration should be given on how to integrate the VIA Metropolitan Transit (VIA) Medical Center Transit Center and VIA’s existing Primo operation on Fredericksburg Road.
- **City Employee Shuttle (Point-to-Point)** – The City of San Antonio has approximately 12,000 employees with approximately 2,000 located in various locations within downtown. The potential use case is the transportation of employees from one building location to another.

- **City Fleet Integration** – The City of San Antonio builds and maintains San Antonio’s streets, storm water, and transportation infrastructure, as well as provides solid waste management services. The potential use case is incorporating autonomous vehicles into municipal fleets.
- **Military Base Shuttle (Point-to-Point)** – Joint Base San Antonio (JBSA) was created in 2005, and is the largest joint base in the Department of Defense. JBSA is comprised of three primary locations: Fort Sam Houston, Lackland, and Randolph, plus eight other operating locations. JBSA supports over 250,000 personnel with 80,000 of those enlisted within the military. The potential use case is the transportation of employees from one building location to another.
- **USDOT Designated Proving Ground (Fredericksburg Road)** – In November 2016, the United States Department of Transportation (USDOT) initiated a notice soliciting proposals for a pilot program to designate automated vehicle proving grounds. In January 2017, Fredericksburg Road, as part of the Texas Innovation Alliance state-wide partnership, was selected as one of 10 designees nationally.
 - As a test-bed site, Fredericksburg Road will offer the City and other transportation partners an ability to evaluate autonomous vehicle technology and its ability to reduce pedestrian and vehicle conflicts. In addition, this corridor from downtown to the Medical Center includes VIA Metropolitan Transit’s Primo Bus Rapid Transit Route. The test-bed will explore possible technology to optimize bus interval spacing along this high frequency route, which could improve the consistency and efficiency of rider service.

Information Requested

At a minimum, the following information should be included in the response. Responses to more than one use case are acceptable.

- Summary of pilot program
- Location of pilot program
- Timeframe to launch pilot program
- Specific type of autonomous vehicle, technology, sensors, system, and/or service
- If the autonomous vehicle is electric, describe charging needs and operation duration
- City infrastructure and data requirements
- City management, funding, or other resource requirements
- Scalability of pilot program
- System safety elements, including operating parameters and system limitations
- Operations and maintenance plans for the proposed autonomous vehicle, fleet, or service
- Data that will be made available to City during and after the pilot program

In addition, the United States Department of Transportation (USDOT), through the National Highway Traffic Safety Administration (NHTSA), released new federal guidance for Automated Driving Systems (ADS), *Automated Driving Systems 2.0: A Vision for Safety*. Within the guidance document, twelve safety elements are discussed. Please consider incorporation of these elements into the response.

General Terms and Conditions of the Request for Information (RFI)

1. This is **ONLY a REQUEST FOR INFORMATION (RFI)** and should not be construed as intent, commitment, or promise to enter an agreement with a Respondent.
2. The City of San Antonio will not be obligated to any Respondent as a result of this RFI. The City is not obligated for any cost incurred by vendors in the preparation of the Request for Information. The City will not pay for any information herein requested nor is liable for any costs incurred by the vendor. For economy of presentation, special bindings, colored displays, promotional materials and the like are not required.
3. This RFI is being submitted strictly for the purpose of gaining knowledge of the services available on the market that address the purpose of the RFI.
4. The City will review all information and recommendations received to assess our needs and define our requirements.
5. All Request for Information responses become the property of the City upon receipt and will not be returned. Any information deemed to be confidential or proprietary by Respondent should be clearly noted; however, City cannot guarantee that it will not be compelled to disclose all or part of any public record under the Texas Public Information Act, since information deemed to be confidential by Respondent may not be considered confidential under Texas law, or pursuant to a Court order.

6. The City welcomes vendors to submit any pertinent information that the City should consider, including topics that the City has not included in our RFI.
7. At a later time, the City may release its requirements, based on in whole or in part on the responses received to this RFI, and pursue a contract through the normal fair competitive bidding process.

A. Respondent Information: Provide the following information regarding the Respondent.

Respondent Name: _____
 (NOTE: Give exact legal name.)
 Principal Address: _____
 City: _____ State: _____ Zip Code: _____
 Telephone No. _____ Fax No: _____
 Website address: _____

B. Contact Information: List the one person who the City may contact concerning your proposal or setting dates for meetings.

Name: _____ Title: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Telephone No. _____ Fax No: _____
 Email: _____

RESPONSE SUBMISSION:

The deadline for submitting the RFI Response is **11:00 a.m., Central Time, Monday, August 20, 2018**. Responses may be submitted electronically through the portal, email, or in hard copy format.

Electronic responses can be submitted by the above due date in the SAePS portal where the RFI has been released.

Email responses will be accepted for this RFI. Respondents may submit to: abigail.johnston@sanantonio.gov.

Responses can also be submitted in person or by postal mail to the address below. If you are submitting a hard copy response, please submit **four (4)** copies in a sealed envelope marked, **“RFI 18-97; 6100010540 – Autonomous Vehicles Pilot Program.”**

Mailing Address:
 City of San Antonio, Transportation & Capital Improvements
 ATTN: RFI 18-97; 6100010540 – Autonomous Vehicles Pilot Program
 114 W. Commerce St., 8th Floor
 San Antonio, Texas 78205

RFI Response Contact: Entities responding to the RFI shall designate a single contact for receipt of all subsequent information regarding this RFI and any forthcoming solicitation.

Format of RFI Responses: The following outline is offered to assist in the development of your response. You should include the following as PDF files.

- A cover letter. The cover letter should include a brief summary of your response, how you propose for the City to achieve its goal and unique problems you perceive and their solutions, including measurable performance goals for the scope performed.
- The response itself, covering any or all of the areas of information requested by this RFI and its objectives. Include any suggestions or advice regarding the design, implementation, management, technology, etc. of this project. Detail what additional information or clarifications would be needed in order to prepare a comprehensive proposal in the future. Based on the project information provided to date, briefly describe the approach your team would recommend for this project and why.

In order to assure that your response receives the attention it deserves, you are asked to consider limiting the size of your response (not counting any supporting documentation, brochures, marketing information) to approximately 20 pages.

Reimbursement: City of San Antonio will not reimburse respondents for any costs incurred in connection with their responses to this RFI.

Questions Regarding this RFI: Any questions regarding this RFI should be emailed to the attention of **Abigail Johnston**; abigail.johnston@sanantonio.gov.

Review Process: City of San Antonio's RFI's are issued with the intent to survey the industry to obtain information that provides guidance, which will be used in the preparation of future solicitations.

Clarification: To fully comprehend the information contained within a response to this RFI, the reviewing group may seek further clarification to your submitted response. This clarification may be requested in the form of a brief verbal communication by telephone; electronic communication; and/or a demonstration/presentation of the response to a meeting of the reviewing committee.

This RFI is posted on the City of San Antonio web page and through the SAePS portal:

<http://www.sanantonio.gov/purchasing/biddingcontract/opportunities> and at
<https://supplierservice.sanantonio.gov/irj/portal>.