



## Questions & Answers

### *Request for Information for Turn-key Development, Deployment and Evaluation for the Treasure Island Autonomous Shuttle Pilot Project*

Date: January 5, 2021  
To: Interested Firms and Individuals  
From: Hugh Louch, Deputy Director for Planning  
Subject: Request for Information for Turn-key Development, Deployment and Evaluation for the Treasure Island Autonomous Shuttle Pilot Project (RFI 20/21-08)

The Treasure Island Mobility Management Agency (TIMMA) received the following questions in italics submitted by 5:00 p.m. on December 29, 2020.

1. *Will vehicle storage be provided?*

During the procurement process, TIMMA staff will work with the vendor and the Treasure Island Development Authority (TIDA) to find appropriate storage for vehicles on both Treasure Island and Yerba Buena Island. Please provide all details for storage needs in responses for Question 4.

1a. *If so, will the location be secure?*

Possible locations for securing the vehicles have been identified and include a portion of an existing lot near 9th Street and Avenue B, the basement of the Administration Building, and the basement of Building 260, located at 8th Street. Please provide information on security needs for the vehicle storage locations in the RFI response.

1b. *If so, will the location be climate controlled?*

The Administration Building and Building 260 should provide adequate climate control; the portioned off lot would not. Please provide the range of climate tolerance for vehicles and provide information on the necessity of this requirement in your responses.

1c. *If so, will the location be within close proximity (1/4 mile or less) of the route?*

The storage facility will be within the limits of Treasure Island or Yerba Buena Island. This area is under 1 square mile.

2. *Will charging infrastructure be provided?*

There are charging stations in the Administration Building and at the lot on 9th Street, near Avenue B. Please provide information about the charging/load requirements and the anticipated frequency and time of charging needs.

2a. *If so, please provide details of equipment to be provided?*

All charging stations are SAE J1772 compliant. Charging stations in lot at 9<sup>th</sup> Street are CT4000 Level 2 Chargepoint stations. Charging station at the administration building is by AeroVironment. Please provide information about charging/load requirements.

2b. *If so, is there a possibility for opportunity charging along the route, e.g., at stop location(s)?*

There will not be other charging stations along the route.

3. *Who will be responsible for expenses related to charging of vehicle(s)?*

The charging station is free of charge.

4. *How many stops do you anticipate for the route?*

The route has not yet been determined, though it is expected to be along all or a portion of the route included in the RFI. The route shown has 11 stops (refer to Page 8 of the RFI). A route will be developed with the vendor, TIMMA, TIDA, and project stakeholders. The route will take into account the expected construction schedule and associated roadway impacts.

4a. *Would this differ for fixed route or on-demand service operations?*

The routes for fixed and/or on-demand service will be decided during the route development phase of the project.

4b. *Can TIMMA provide details regarding location of anticipatory shuttle stops?*

Exact stops have not yet been determined and will be decided during the route development phase of the project.

4c. *If stops have not yet been determined, can you indicate the most desirable connection points on Treasure Island?*

The route would start at the Administration Building on Treasure Island and connect to Mersea restaurant; other connection points are not yet determined.

5. *Would the anticipated shuttle service operate 5-days a week or 7-days a week?*

This is not yet determined and will be developed based on collaboration with the project team, agency stakeholders, and expected public outreach. Please provide information on the cost implications for various shuttle service operation schedules.

6. *Are there desired hours of operation for the shuttle service?*

The shuttle service is expected to operate during a fixed period during both day and night hours. Please provide cost considerations of different operating periods, if any.

7. *Is there a file size limit to the TIMMA email system we should be aware of for email attachments?*

The email system (Google) can receive emails up to 10MB.

- 7a. *If necessary, to avoid size limitations, would TIMMA accept a submittal via a DropBox link?*

Yes, DropBox links are acceptable as long as sharing permissions are turned on to allow for a copy of the submittal to be downloaded and saved locally.

8. *What are the current or anticipated speed limits on roadways along the proposed route?*

The speed limit on all roads along the route is 25 MPH. Please be aware that speed limits may be lower due to construction on both Treasure Island and Yerba Buena Island.

9. *Will TIMMA accept responses from only autonomous vehicle companies?*

Responses will be accepted from autonomous vehicle companies, service providers, and operational partners. For non-AV companies, responses should include potential partnerships or joint responses.

10. *Can a team submit a response to this RFI, or will TIMMA accept responses from only individual companies?*

Yes, team responses will be accepted. In this case, please clearly define the roles and responsibilities of the various partners.

11. *May other project partners submit responses to this RFI independent of a team or autonomous vehicle company?*

Yes, see response to Question 9.

12. *Will you be able to provide, or make public, the following lists:*

- 12a. *Firms who have expressed interest in responding to, or who have posed questions about this RFI?*

Yes, upon request following the response due date.

- 12b. *Firms that provide responses to this RFI?*

Yes, upon request following the response due date.

13. *Will Federal funds be used in whole or in part?*

Yes, federal funds will be used for this pilot project, with a 50% match for the planning, deployment, evaluation, and reporting process of this project.

14. *Will there be (Local Business Enterprise) LBE, Disadvantaged Business Enterprise (DBE), Small Business Enterprise (SBE) or any other certifications or requirements in this RFI or the ensuing RFP?*

This RFI does not have a DBE requirement. A DBE requirement will be set for the RFP stage, though this has not been calculated at this time.

15. *Will RFI responses be weighted toward local firms or small firms?*

No.

16. *Will the agency consider it an advantage to have a third-party vendor be responsible for functionality, usability, and compatibility standards (e.g.: testing schedules, maintenance and safety plans, and operating procedures)?*

We are interested in understanding what vendors think is the best way to deliver the full set of services for the AV Shuttle Pilot.

17. *Will a local firm be able to respond to provide specific services to TIMMA or is TIMMA looking for a team composed of a prime and subconsultants, for example, to complete all of those services?*

TIMMA is looking for an individual firm or team that can complete the full pilot project. If responses are for specific services, please include information on partnerships for completing all services.

18. *What are the criteria for acting as an "autonomous shuttle provider"?*

The autonomous shuttle provider should be able to provide the full set of services for the pilot program with the use of vehicles that meet the Level 4 automation definition, as defined in SAE J3016 "Levels of Driving Automation". (<https://www.sae.org/news/2019/01/sae-updates-j3016-automated-driving-graphic>)

19. *Is an entity allowed to lease the autonomous vehicle and respond as a prime?*

Yes, this would be acceptable providing that the respondent would be able to perform all services, including obtaining relevant permits.

*For more information regarding the RFI, visit the San Francisco County Transportation Authority's website: [www.sfcta.org/contracting](http://www.sfcta.org/contracting)*