



New York City Department of Transportation

Request for Expressions of Interest (RFEI) for Solar-Powered and Wired Real Time Passenger Information (RTPI) Technologies in NYC

PIN: 84119RFEI289

Addendum #1

August 31, 2018

Notice to Respondents

Pages 4, 6 and 7 of the RFEI should be deleted in their entirety and replaced with attached pages 4R, 6R and 7R.

5. Questions and Response Guidelines for Respondents

A. General Specs, Vendor Experience, and Weather-Resistance

1. Please provide your standard product specifications.
2. Describe foundation depth and width needed to securely install the sign. Is a certain sidewalk material needed for installation?
3. Is the hardware in your system entirely proprietary or is it built from any off-the-shelf componentry?
4. Where are your signs currently installed, and how long have those jurisdictions been using your system? Please provide a point of contact within each jurisdiction.
5. Describe the temperature robustness and waterproofing of the device. How does the device handle various weather conditions (hot, cold, rain, heavy snow, ice)? Is the equipment resistant to salt? Provide a list of cities with cold weather and similar urban environments, in which the equipment has been installed and document the experience in each city.
6. How does the solar panel remain clear of snow, leaf, or dust build-up? To what extent is power generation hindered by this cover?
7. Describe the vibration and impact resistance features of the device. Have signs in other cities been hit by vehicles, and what are the common points of structural failure?
8. Describe the security elements of the sign designed to minimize tampering, theft, or vandalism of sign components, especially valuable electronics.
9. Is there a version of your solar RTPI device that can be retrofitted onto existing static bus stop poles?
10. Provide a list of all componentry used in the sign product that is commercially available and non-proprietary (screen, modem, processor, etc.).

B. Display, Audio, and Power Draw

11. Please provide your screen display specifications pertaining to:
 - a. Screen type (LED, LCD, eInk)
 - b. Dimensions (height, width, depth, weight)
 - c. Resolution (pixels or dpi)
 - d. Life expectancy
 - e. Temperature range
 - f. Viewing distance and angle
 - g. Brightness & backlighting
 - h. Power draw (change state and resting state)
12. Please provide your solar panel & battery specifications pertaining to:
 - a. Battery type (lithium, AGM, or other)
 - b. Dimensions (height, width, depth, weight)
 - c. Solar panel mounting angle
 - d. Amperage, wattage, and voltage
 - e. Reserve battery life (from fully charged to empty assuming solar failure)
 - f. Battery charging time and power draw
13. Are solar amplifier devices used or required in lower sunlight locations?
14. Discuss the screen size to solar panel size ratio for your product, and describe whether different screen sizes are available.
15. What strategies for limiting power draw do you employ in the design of your sign?
16. Explain your plan to incorporate an audio component for the visually disabled.

3. Have other government agencies been able to take on installation or maintenance functions of the product? Potential applications include on-site field repairs, moving and reinstalling signs due to construction projects, and/or altering the signs to display more, fewer, or different routes due to service changes.
4. What warranties on hardware do you typically offer? What is the typical replacement cycle on the system's hardware? What parts are covered under warranty?
5. Are automated diagnostics available for diagnosing issues with the modem or processor? How long does it take to run these functions?
6. Which components of the sign hardware are individually replaceable (i.e., batteries), and which require a sign replacement?

Any response need not be able to address all questions directly upon responding. DOT is open to system technologies that prioritize certain of these functions at the exclusion of others if it achieves the stated goal.

6. Submission Requirements

6.1 Content

All responses to this RFEI must be delivered as an attachment to an email addressed to the NYC DOT Authorized Agency Contact indicated in Section 6.2 below. Responses must include the information listed below:

Respondent's Information

Provide contact information, including, the legal name of your firm or entity, business address, name of contact, telephone and email.

Provide a short summary of your firm's background and experience related to the development and deployment of solar-powered and wired real-time passenger information, and related technology. Please do not submit standard marketing materials.

Address the questions listed in Section 5 and provide any other information you deem critical and responsive to this RFEI.

6.2 Submission Details

Any inquiries concerning this RFEI should be directed by e-mail, under the subject line "Real-Time Passenger Information RFEI Questions" to the email address of the Authorized Agency Contact David Maco at dmaco@dot.nyc.gov. The deadline for the submission of questions and requests for clarification is September 7, 2018, by 4:00 PM, E.S.T. NYC DOT will subsequently provide written answers to questions received via an addendum released through the City Record Online and posted also on the following webpage:

<http://www.nyc.gov/html/dot/html/about/doing-business.shtml>

Responses to the RFEI should be submitted via email to the Authorized Agency Contact's email address indicated above, under the subject line, "Response to Real-Time Passenger Information RFEI", by October 1, 2018, no later than 4:00 PM E.S.T.

7. Additional Information

1. This RFEI is not intended as a formal offering for the award of a contract or for participation in any future solicitation.
2. NYC DOT does not intend to grant or issue any contracts on the basis of this RFEI.
3. NYC DOT, the City and their officials, officers, agents and employees make no representation or warranty and assume no responsibility for the accuracy of the information set forth in this RFEI.
4. Neither NYC DOT nor the City shall be liable for any costs incurred by any respondent in the preparation, submittal, presentation or revision of its submission. Neither NYC DOT nor the City shall be obligated to pay and shall not pay any costs in connection with the preparation of such submissions.
5. All responses become the property of the City of New York and NYC DOT. Responses will generally be made available for inspection and copying by interested parties upon written request, except when exempted from disclosure under the New York State Freedom of Information Law.
6. NYC DOT is subject to the New York State Freedom of Information Law, which governs the process for the public disclosure of certain records maintained by NYC DOT. (See: Public Officers Law, Sections 87 and 89). Individuals or firms that submit materials to NYC DOT may request that NYC DOT except all or part of such materials from public disclosure, on the grounds that the materials contains trade secrets, proprietary information, or that the information, if disclosed, would cause substantial injury to the competitive position of the individual or firm submitting the information. Such exception may extend to information contained in the request itself, if public disclosure would defeat the purpose for which the exception is sought. The request for such an exception must be in writing and state, in detail, the specific reasons for the requested exception. It must also specify the materials or portions thereof for which the exception is requested. If NYC DOT grants the request for exception from disclosure, NYC DOT shall keep such materials or portions thereof in secure facilities.
7. NYC DOT at its sole discretion reserves, without limitation, the right to:
 - a) Withdraw the RFEI at any time;
 - b) Use the ideas and/or submissions in any manner deemed to be in the best interests of NYC DOT and the City, including but not limited to soliciting competitive submissions relating to such ideas or proposals;
 - c) Change any terms of the RFEI.
 - d) Communicate with any and all of the respondents to discuss this proposal; and
 - e) At the City's discretion, the City may enter into a demonstration agreement with one or more of the respondents.