



New York City Department of Transportation

Request for Expression of Interest

Regarding

Cold Weather Lane Line Treatments for
New York City

November 26, 2014

1. RFEI Purpose

This Request for Expression of Interest (RFEI) is issued to inform interested parties that the New York City Department of Transportation (DOT) wishes to identify roadway marking materials for white and yellow lines, as well as colored treatments for bus, bike and pedestrian areas that can be applied effectively at temperatures below 50 degrees or even 40 degrees Fahrenheit. The current markings do not adhere well at temperatures below 50 degrees Fahrenheit. DOT is seeking to identify the most durable and cost-effective roadway marking materials for the following roadway types: existing asphalt, new asphalt, existing concrete, and new concrete. To that end, this RFEI seeks information on products from their manufacturers, including product specifications, installation guidelines, and cost and durability data. In addition to the RFEI, DOT may conduct laboratory and field tests of various products and is seeking to identify manufacturers who are interested in participating in such tests. If DOT decides to pursue a laboratory or field test, manufacturers would be invited to participate, subject to the conditions outlined in Section 3.

2. Background

2.1 DOT Office of Highway Design & Construction

This office contracts for and oversees the application of marking materials for the vast majority of public roads, bridges and tunnels under the City of New York (the “City”) jurisdiction that either need refurbishing of markings or a new application after the road is repaved.

2.2 Experiences with Roadway Marking Materials

Currently, thermoplastic is the standard material used for white and yellow lines. The material used is cost-effective and sets almost instantly so that road closures are not required. The two drawbacks are that it should not be applied at temperatures below 45 degrees Fahrenheit and it does not seem to hold up against snow plowing, especially on certain surfaces.

3. RFEI Description

In an effort to identify cold weather marking material that can be applied at temperatures as low as 30, 35 or 40 degrees Fahrenheit, the following features are sought:

- High visibility: the product provides a clear visual signal to drivers;
- Durability: the product should last at least 3 years in a good to fair condition;
- Safety: the product provides adequate skid resistance for vehicles;
- Low cost: the product has a low life-cycle cost;

- Ease of installation: product installation is technically feasible within an urban environment, dries in less than five minutes, and thus does not require prolonged lane closure.

DOT is interested in identifying more than one product type that would serve this purpose and perhaps be used under different conditions, including the different roadway types as detailed above.

3.1 Field Testing and Laboratory

After reviewing the RFEI submissions and conducting its own research, DOT will decide which materials would be appropriate for field tests. DOT would invite selected participants to install roadway markings on a City street designated by DOT. Participants will be responsible for installing the markings at their own cost (a minimum test size may be required). DOT will provide basic logistical support to those firms selected to participate in the field tests. DOT will then conduct an analysis of the durability of a range of products, being able to make a preliminary determination of success after several snow events subjecting the material to plows. Submission of an RFEI response by a respondent does not guarantee an invitation to participate in a field test. Respondents selected to participate in the field tests will be required to sign a Demonstration Agreement and supply insurance forms with the City as insured as described in the sample agreement attached hereto (see Appendix A).

3.2 Best Practices

Based in part on the results of its research and the field and laboratory tests, if conducted, DOT will consider approving selected products as part of future contracts for marking installation.

4. Questions for Respondents

Respondents to the RFEI are requested to submit a proposed product or products that meet the cold weather and quick set goals. They should describe appropriate roadway surfaces to which the products can be applied, product specifications, environmental information and hazards, installation guidelines and options, and maintenance guidelines. Respondents are requested to explain how their products meet the criteria laid out in Section 3 and also identify whatever surface preparation they plan for each roadway type. Additional questions may be presented to respondents by DOT.

In their response, respondents should address and include the items listed below in Sections 4.1 through 4.6:

4.1 Product Information:

- Product name
- Product description
- Intended surface type(s) for each product
- Product color options
- Standard product specification sheet(s)

- Photographs of installed product
- MSDS: Material Safety Data Sheets

4.2 Installation Method:

- Recommended pre-treatment process or surface preparation
- Minimum outdoor temperature requirements for installation
- Recommended manual installation process options
- Recommended mechanized installation process options
- Curing/drying time required for product to set
- Photographs of installation process
- Other technical specifications related to installation

4.3 Examples of Product Installation:

- Relevant examples in the United States or abroad of product installation in a high traffic environment
- Photographs of relevant examples
- References (at least 3): contact name and information for at least three clients which have installed this product in an environment similar to New York City

4.4 Maintenance:

- Recommended maintenance practices to improve product longevity and appearance

4.5 Durability Data:

- Summary of research, reports, or data on product durability
- Impact of snow plowing and road salt on product
- Estimated useful life of the product in a high traffic application in New York City*

** This estimate will be used by DOT for research purposes only and will not constitute a product guarantee on the part of the respondent.*

4.6 Skid Resistance. Respondents should provide the following information:

- Discussion of the product's skid resistance properties

5. Submission Requirements

All submittals (Submittals) must be in writing and in electronic PDF format (CD or DVD) and delivered **by-hand or by a nationally recognized express mail carrier** to

DOT at the address designated in Section 5.2 below. Submittals should be organized into two parts as listed in Sections 5.1.1 and 5.1.2 below.

5.1 Response

5.1.1 Respondent's Information (maximum of 5 pages)

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

5.1.2 Respondent's Product or Process

- Describe your product or process, identify the surface type or types it is appropriate for, and describe how it will meet the criteria laid out in Section 2.2. Provide the data requested in Sections 4.1 to 4.6.

5.2. Submission Details

Submit five hard copies of your submission, printed on both sides (double-sided) on paper with no less than 20% post-consumer material content, and a PDF version of your submission on CD or DVD by January 30, 2015 at 4:00 p.m. Eastern Standard Time (EST), to:

New York City Department of Transportation
28-11 Queens Plaza North – 7th Floor
Long Island City, NY 11101
Attn: Randy Wade, Traffic Management

5.3 Inquiries

Any inquiries concerning this RFEI should be directed by e-mail, under the subject line “Cold Weather Marking Material RFEI Q&A”, to markings@dot.nyc.gov. All questions must be submitted no later than January 5th, 2015 at 4:00 p.m. EST. DOT will post these answers on their website at <http://www.nyc.gov/html/dot/html/about/rfpintro.shtml>.

6. Additional Information

6.1 This RFEI is not intended as a formal offering for the award of a contract or for participation in any future solicitation.

6.2 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.

6.3 No information contained in submissions shall be deemed confidential and such information may be shared with others as deemed appropriate by DOT.

6.4 Neither 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 DOT

nor the City shall be obligated to pay and shall not pay any costs in connection with the preparation of such submissions.

6.5 All submissions shall become the property of DOT and the City and shall not be returned.

6.6 DOT at its sole discretion reserves, without limitation, the right to:

6.6.1 Withdraw this RFEI at any time;

6.6.2 To discuss various roadway marking approaches with one or more respondents (including parties not responding to the RFEI);

6.6.3 Use the ideas and/or submissions in any manner deemed to be in the best interests of DOT and the City, including but not limited to soliciting competitive submissions relating to such ideas or proposals and/or undertake the prescribed work in a manner other than that which is set forth herein; and

6.6.4 Change any terms of the RFEI.

Appendix A:

Sample Demonstration Agreement