



New Jersey Department of Transportation
Bureau of Research
RESEARCH PROJECT
Request for Proposal
CY 2019-2020 Program

Project Title: NJ Transit Grade Crossing Safety
Posting No.: 2019-06
Date of RFP Announcement: 11/18/2019
Closing Date: 12/27/2019

Proposals must be prepared in accordance with NJDOT's *Supplemental and Proposals guidelines*. Please visit <https://www.state.nj.us/transportation/business/research/guidelines.shtm> for the most current version.

All proposals must also have a corresponding online PreAward Risk Assessment form completed and submitted by the PIs prior to the RFP closing date and time. This online form can be found at: https://www.state.nj.us/transportation/business/research/risk_assessment_forms.shtm

1 - RESEARCH PROBLEM STATEMENT AND OBJECTIVES

1.1 Problem Statement

The safety of our customers, our employees and the surrounding public is the top priority at NJ Transit. Research is needed to identify and prioritize grade crossings within our system that have the potential to be permanently removed with as little impact as practical to the communities they are located in. Identifying grade crossings and the corresponding roadway owners and communities where they are located will allow NJ Transit to accelerate communication with these stakeholders to implement recommended infrastructure improvements.

1.2 Research Objectives

At minimum, the proposed research shall include:

Phase 1: Conduct a comprehensive review of existing countermeasures and industry lessons learned from similar transportation agencies that have shown success reducing grade crossing collisions and incidents throughout the country.

Phase 2: The proposed research team shall develop a list of 20 grade crossings, with corresponding selection criteria utilized, that removal or modification could lower the risk exposure while limiting the impact to the surrounding area. Research should include an existing literature search with any best practices or success stories already published. Corresponding roadway ownership information should be provided to help initiate communication and prioritize future improvements. This list will be based on the following information provided by NJ Transit Planning and Engineering Departments:

- A list and map of 100 grade crossings to select from
- Statistical and other safety data regarding the number and type of collisions or incidents at each grade crossing in the last five years
- A list of commonly referenced similar transportation agencies

The grade crossing improvement list shall be submitted to the Customer and the Research Project Manager for approval prior to proceeding to Phase 3.



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Phase 3: Provide a categorized list with corresponding justifications of grade crossings that could potentially benefit from researched modifications.

1-3. Type of Contract

It is proposed that if the Issuing Office enters into a contract because of this Request for Proposal (RFP), it will be a **Cost Reimbursement, Deliverable-Based** contract containing the Standard Contract Terms and Conditions.

2 - BUDGET and CONTRACT TIME

The **TOTAL** project budget shall not exceed **\$200,000 US Dollars**. Budgets will be evaluated separately, and only after a selection has been made as to which proposal is the most qualified based on technical merit. Please place three (3) copies of the budget for this project in a separate sealed envelope.

The PI must provide the anticipated research study duration based on the proposed tasks. Consideration should be given to potential impediments so that adjustments are incorporated into the schedule minimizing the need for time extensions. Contract time shall include sufficient time for the procurement of subcontractors, as well as no less than three months for Final Report review and acceptance. Please be advised that going forward, new task orders having permissible justification will be allowed no more than one time extension with the advent of 2 CFR 200.

A 18 month total project duration is preferred.

Please provide a Gantt Chart schedule, by month number (e.g. 1-20), showing tasks start/end, and deliverables. List corresponding deliverables below the chart.

3 - Oral Presentations

Oral presentations may be requested as part of this RFP. If required, you will be notified by the Bureau of Research to schedule your oral presentation. They will be held at NJDOT headquarters in Trenton, NJ, attended by the Technical Advisory Panel (TAP), and be limited to no more than an hour, including time for questions and answers.

4 – DEADLINE

Proposals (10 single-bound copies) are due at the NJDOT Bureau of Research no later than **4:00 p.m. on December 27, 2019.**

Approximate Start Date: 3/16/2020. The official start date is the date that the Bureau of Research obtains a signature from the Assistant Commissioner.

5 – CONTACTS

Interested parties shall send all questions related to this RFP to the Bureau Manager by sending an e-mail to Research.Bureau@dot.nj.gov or by phone (609-963-2224). Questions on this topic **shall not** be directed to any Research Project Manager, Research Customer, or any other NJDOT person. All questions must be received **on or before November 25, 2019 in order to be answered.**



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A pre-proposal meeting may be scheduled with interested parties upon the request of *more than one* Institution of Higher Education. **This must be requested on or before November 25, 2019.**

PROPOSAL DELIVERY INSTRUCTIONS:

For private, paid messenger services such as Federal Express, DHL, UPS, etc., or for hand-carried deliveries:

RFP No. **2019-06** PROPOSAL-NJDOT
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