

RPT TSP Project
Pre-Proposal Meeting
September 4, 2019

Talking Points

Rapid transit is coming to Rochester

1. Transit an integral element in Destination Medical Center Development Plan
2. Broadway Av and 2nd Street SW identified as downtown circulator transit corridors
3. Rapid transit services transport many more passengers per hour and per mile than traditional fixed route services

TSP is a critical element in operations of rapid transit corridors

1. Allows transit to more effectively and predictably maintain headway schedules
2. Rapid transit systems require precise on-time performance (+/- seconds vs. minutes)
3. Predictable on-time headway performance is expected by customers
4. Reduced delay allows for increased headway frequencies
5. Maximizes transit fleet management

The City has determined that GPS based TSP is better than infrared-based TSP

1. Increased precision and programmability of detection zones
2. Improved monitoring and predicable maintenance
3. Desktop monitoring of system
4. Decreased maintenance calls to the field
5. Incorporates well with coordinated traffic signal corridors

Desire for expandability to entire RPT fixed route system

1. Programmed for next five years
2. Included in future transit fleet expansion

TSP Project overview

Project Goals and Objectives

1. Deploy a TSP System that is functional, operational, expandable, scalable and maintainable to other corridors/signalized intersections in the Rochester region
2. Operate TSP to improve the schedule adherence of all RPT fixed route transit vehicles
3. Improve the level of customer satisfaction, transit service reliability and travel speed
4. Ability to operate along-side existing Emergency Vehicle Preemption System

Contract has five-year duration

Request for Proposals is split among five (5) components:

1. Bus Transit Signal Priority (TSP) Emitter and Communications Equipment and Installation
 - a. 71 Buses with expansion up to 90 over next five years
2. Traffic Signal Communications Equipment and Installation
 - a. 22 Intersections with expansion up to 162 over next five years
3. TSP Central Management System and Installation
4. Training
5. Warranty and Support

Interface capability with DoubleMap GPS vehicle location system unknown at this time

Signal timing optimization will be completed in corridors prior to project implementation

Siemens controllers will be upgraded by City to enable TSP programming prior to project implementation

RFP Requirements

Bidders are required to provide a detailed project plan as part of their RFP submittal

1. Overall project schedule
2. Project Manager / Project Lead and supporting staff
3. Scope of work breakdown with milestones
4. Implementation plan
5. Kick-off meeting and progress calls or meetings

The Contractor shall complete the following tasks

1. TSP Project Management
2. TSP Install Preparation
3. TSP System Components
4. Furnish and Install Intersection Priority Request Communications Equipment
5. Furnish and Install Transit Vehicle TSP System Components
6. Furnish and Install TSP Central Management System Components

7. Develop and Implement TSP Signal Timing Parameters
8. TSP System Acceptance Testing
9. TSP System Warranty and Spare Parts
10. TSP System Training
11. TSP System Documentation

Proposal Requirements

1. ONE hard copy marked "ORIGINAL"
2. SIX additional complete hard copies
3. ONE digital copy in a searchable PDF format
4. ONE email address for contact for responses to inquiries

Proposal Content

1. Cover Page
2. Cover Letter
3. Table of Contents
4. Proposal Narrative and Content
5. Required Forms as set forth in Section 7.0

Required Forms and Other Required Items

1. Response Cover Page and Checklist
2. Receipt Confirmation
3. Statement of Qualifications and Relevant Contractor Experience
4. Certifications and Representations
5. Disclosure of Contractor Responsibility
6. Certification Regarding Lobbying
7. Certification Regarding Buy America
8. Acknowledgement of Addenda
9. DBE Participation Affidavit (and forms F-1 and F-2) – DBE Goal of 2%
10. Cost Proposal

Project Schedule

Request for Proposal Issued	08/27/19
Pre-proposal Meeting	09/04/19
Deadline for RFP Questions	09/09/19
Addendum Issued (If Applicable)	09/23/19
PROPOSALS DUE	10/07/19
Oral Presentation (Optional)	10/08/19 - 10/11/19
Final Evaluation	10/18/19
Contract Execution	11/04/19
Notice to Proceed	11/05/19
Initial Project Completion	12/01/20