

## *Regional Safety Plan*

### **A. Objective**

Develop a regional safety plan that aligns the NYSDOT *Strategic Highway Safety Plan* and local initiatives to guide GTC and its partners' planning recommendations, programmatic activities, and funding decisions to reduce fatal and serious injury crashes across all modes for Federal, State, Regional, and Local objectives.

### **B. Background**

The Genesee Transportation Council (GTC) will seek proposals for consulting services to develop its first Regional Safety Plan (RSP). The GTC *Long-Range Transportation Plan for the Genesee-Finger Lakes Region 2045* (LRTP 2045) includes a Goal to "Increase the safety of the transportation system for motorized and non-motorized users". The GTC Board has agreed to support the New York State Department of Transportation's annual highway safety targets and program Highway Safety Improvement Program funds towards achieving the reductions in fatal and serious injury crashes.

The project Tasks noted below are derived from the Comprehensive Safety Action Plan framework from the US Department of Transportation's Safe Streets and Roads for All (SS4A) program ([NOFO, Table 1](#)). The project is intended to create a regional framework for multi-modal safety strategies that align local engineering, enforcement, education, and emergency response (4 E's) initiatives with the NYSDOT *Strategic Highway Safety Plan* (SHSP) and the Governor's Traffic Safety Council *Highway Strategic Safety Plan* (HSSP) to achieve regionally adopted safety targets.

Steering Committee members include but are not limited to: GTC staff; the New York State Department of Transportation; the Highway Departments and Traffic Safety Boards of Genesee, Livingston, Monroe, Ontario, Orleans, Seneca, Wayne, Wyoming, and Yates counties; the City of Rochester; and the Rochester-Genesee Regional Transportation Authority.

### **C. Tasks**

- 1. Project Coordination** - The Consultant will coordinate all project activities with GTC staff. GTC staff will serve as the project manager and be responsible for acting as the primary point of contact and liaison with the Steering Committee of agency partners and other stakeholders.
- 2. Stakeholder and Public Engagement**
  - a. Stakeholder Interviews** - The consultant will convene interviews with stakeholders who currently operate safety programs or have a particular interest in addressing safety issues in the region.
  - b. County Advisory Committees** - The consultant will provide county-specific resources for each of the nine counties in the GTC region. GTC staff will identify the preferred county-level body (Traffic Safety Boards or other existing committees) with whom it will coordinate and provide periodic updates of the RSP.

- c. **Public Meetings** - Conduct two public meetings in accordance with the GTC Public Engagement Plan. The first round will introduce the project to the community and obtain public input on existing safety issues and potential opportunities for the RSP. The second round will present the draft recommendations to the community and obtain the public's input on the programs and projects prior to selecting final priorities.
- d. **Other methods** - The consultant will provide content from the following tasks for a project website that will be managed by GTC through its Engagement Hub. Additional means for community outreach and communication, particularly those targeted to environmental justice communities are encouraged.

**Deliverable:** Public Engagement Report

### 3. Review of State and Local Plans and Initiatives

The consultant will review and synthesize State and local safety plans and programs. The synthesis should result in inventory of approved safety countermeasures, programs, and other strategies that is related to both geographical coverage and SHSP Emphasis Area. This inventory will be the initial basis to be built upon as Recommendations.

**Deliverable:** Technical Memo #1 – Review of State and Local Plans and Initiatives

### 4. Existing Conditions Analysis

- a. **Trend Analysis** - The consultant will calculate the five annual safety performance measures, at both the GTC and respective county levels, that are required of State DOTs and MPOs, per the Highway Safety Improvement Program final rule (23 CFR Part 490).
- b. **Emphasis Areas** - The consultant will calculate the total and fatal plus serious injury (K+A) crashes for the draft 2023 SHSP Emphasis Areas at both the GTC and respective county levels. Based upon this analysis, particular Emphasis Areas may be refined or prioritized to reflect the trends for individual counties or the whole region.
- c. **Equity Analysis** - The consultant will review the crash history for relative impacts on the following geographies and socio-economic populations, including GTC Environmental Justice Areas, NYS Disadvantaged Communities (Interim), and Federal Justice40 Initiative Historical Disadvantaged Communities.

**Deliverable:** Technical Memo #2 – Existing Conditions Analysis

### 5. Performance Measures and Target Setting

The Task will provide the Steering Committee and GTC Board a quantitative basis for considering updates to the annual Safety targets and including long-term targets for the *Long-Range Transportation for the Genesee-Finger Lakes Region 2050* (LRTP 2050).

- a. **Near Term Targets** - The consultant will calculate regional targets using the Trend Analysis (Task 4.a). Based upon NYSDOT's Target Setting Framework for 2023 and

in consultation with the Steering Committee, the forecasts will be adjusted for reasonability and other factors, possibly exceeding those of NYSDOT.

- b. Long-Term Targets** - The consultant will calculate one or more long-term targets for GTC Board consideration in the upcoming LRTP 2050. Per the USDOT guidance for Comprehensive Safety Action Plans ([NOFO](#)), the targets will either include the target date for achieving zero roadway fatalities and serious injuries; or an ambitious percentage reduction of roadway fatalities and serious injuries by a specific date with an eventual goal of eliminating roadway fatalities and serious injuries.
- c. Additional Performance Measures** - In consultation with the Steering Committee, the consultant may propose additional near- or long-term performance measures, including those to particular Emphasis Areas, equity considerations, or public health-related metrics.

**Deliverable:** Technical Memo #3 – Performance Measures and Target-Setting

## 6. Network Analysis

The consultant will conduct analysis of the transportation network to identify existing crash patterns and identify additional areas of potential risk for vulnerable road users. The analysis is intended to align with the NYSDOT Annual Work Program and provide a region-wide focus for safety management per the AASHTO Highway Safety Manual. The Steering Committee will review the screening results and discuss any technical issues, planned projects, or other issues to develop a GTC Annual Work Program.

- a. Hotspot Screening** - The Consultant will conduct screening of the highway network and intersections using the Hotspot Approach (Section 4.1) per the [NYSDOT Red Book](#). The Expected Excess Crash Frequency of the highway network, intersections, and ramps for the GTC region and each county. Additional CLEAR performance measures may be included.
- b. Systemic Screening** - The Consultant will conduct screening of the highway network and intersections using the Systemic Approach (Section 4.2) per the NYSDOT Red Book. In consultation with the Steering Committee and using the Emphasis Areas identified (Task 4.b), Focus Crash Types will be selected. Focus Facilities and Risk Factors will then be identified.
- c. Vulnerable Road Users Risk Assessment** - The consultant will conduct a risk assessment that includes crash history as well as other factors of the network for vulnerable road users. Vulnerable road users, at a minimum, must include pedestrians and bicyclists, and could be expanded to include motorcyclists, horse and buggy, and others.

**Deliverable:** Technical Memo #4 – Network Analysis

## 7. Recommendations

In consultation with the Steering Committee, the consultant will develop recommendations for capital projects, programs, and other strategies to help achieve the targets approved by the GTC Board.

- a. Countermeasure Toolbox** - The consultant will develop a toolbox of SHSP- and HSSP-approved capital countermeasures and safety programs identified in the Review of State and Local Plans and Initiatives (Task 3). Eligible funding sources and potential lead agencies will be noted.
- b. Priority Projects List** - The consultant will develop a Priority Projects List of capital projects (or groups) and programs that will help guide the programming of future HSIP and GTSC funding. Additional funding amounts and sources necessary for implementation may be identified. Also, the Steering Committee will review and recommend potential projects to be candidates for discretionary SS4A funding through FHWA.

**Deliverable:** Technical Memo #5 – Recommendations

## 8. Draft and Final Plans

- a. Regional Safety Plan** - The consultant will combine the Technical Memoranda 1 through 5 and the Public Engagement Report to produce a draft Regional Safety Plan for Steering Committee review. The draft plan will be revised to produce a final plan based on Steering Committee input.
- b. Executive Summary** - The consultant will produce an Executive Summary of the RSP.
- c. Local Road Safety Plan Template** - Using the products developed for Technical Memoranda 1 through 5, the Consultant will develop a template for Local Road Safety Plans (LRSP) that can be used by individual Counties or other jurisdictions. The intent of the LRSPs would be to provide additional local focus for these communities within the context of the RSP.

## D. Products

1. Draft and Final Regional Safety Plan
2. Regional Safety Plan - Executive Summary
3. Draft and Final County Local Road Safety Plan Template

## E. Public Participation Plan

Per the GTC Public Engagement Plan, this project is classified as a Planning/Policy Project. Accordingly, two rounds of public input activities will be undertaken.

**F. Schedule**

<b>Task</b>	<b>Timeline</b>
Scope of Work Approval	January 2023
Release of RFP	February 2023
Consultant Selected	April 2023
Contract Completed and Signed	May 2023
Initial Project Meeting	May 2023
Technical Memos #1 – 5	July 2023 - January 2024
Draft Regional Safety Plan	February 2024
Final Regional Safety Plan	April 2024

**G. Project Budget**

<u>Sources of Funds</u>		<u>Uses of Funds</u>	
	<u>FY 2022-23</u>		<u>FY 2022-23</u>
<u>Federal Funds</u>		<u>GTC</u>	
FHWA	\$116,000	Staff	\$0
FTA	0	Contractual	116,000
Subtotal	\$116,000	Subtotal	\$116,000
<u>Matching Funds</u>		<u>Other Agency</u>	
State (In-kind)	\$0	Staff	\$0
Local (In-kind)	0	Contractual	0
Local (Cash)	0	In-kind Exp.	0
Subtotal	\$0	Subtotal	\$0
<u>Total</u>	<u>\$116,000</u>	<u>Total</u>	<u>\$116,000</u>