Traffic Study and Safety Consulting Services SOW

Objective

Provide traffic study services on a Firm-Fixed-Price basis, including collection and analysis of traffic data and preparation of engineering reports and recommendations. Provide additional on-call traffic safety and engineering consulting services, as directed by BNL, on an hourly-rate basis.

Traffic Study Services (Firm-Fixed-Price)

The Contractor shall perform one comprehensive traffic study within a BNL-designated study area on a Firm-Fixed-Price basis. The Firm-Fixed-Price shall include all labor, supervision, travel, field observations, data collection, engineering analysis, report preparation, and supporting documentation necessary to complete the study.

- Traffic volume, turning movement, and vehicle classification counts.
- Queue length, delay, crash history, speed, and traffic signal timing evaluations.
- Sight distance evaluations, pedestrian/bicycle observations, and review of roadway geometry, crosswalk locations, and traffic control devices (including pedestrian signals, signage, and pavement markings)
- Evaluation of engineering alternatives, written findings, engineering conclusions, recommendations, alternative designs, and supporting calculations, as applicable.

Additional Consulting Services (Hourly)

Additional consulting services shall only be performed upon written authorization from the BNL Technical Representative and compensated at the contract hourly rates.

- Review of traffic control devices, roadway modifications, signage, pavement markings, and pedestrian facilities.
- Temporary traffic control plans, work zone layouts, and detour plans.
- Technical memoranda, engineering recommendations, conceptual drawings, planning-level cost estimates, and meeting attendance.
- Interpretation of MUTCD, AASHTO, NYSDOT, ADA, and other applicable standards.
- Traffic engineering evaluations and operational analyses, as requested, to support engineering recommendations and decision-making.

Engineering Standards

All engineering services shall conform to the latest applicable editions of the MUTCD, AASHTO guidance, NYSDOT standards, ADA Accessibility Guidelines, and other applicable Federal, State, and local requirements.

BNL-Furnished Information

- Existing drawings and maps.
- Existing traffic studies and traffic counts.
- Crash history (when available).
- Utility/site information.
- Technical Representative support and site access.

Deliverables	Applies To	Acceptance
Traffic Study Report (including supporting engineering analyses, calculations, findings, and recommendations)	Firm-Fixed-Price Study	BNL Acceptance
Technical Memoranda	Hourly Assignments	BNL Review
Engineering Recommendations	Hourly Assignments	BNL Review
Concept Drawings/Cost Estimates (if requested)	Hourly Assignments	BNL Review
Meeting Attendance	As Requested	Participation
Annual Summary	Contract Year	BNL Acceptance

Recommended Schedule

- Commence work within two (2) weeks following award or written authorization.
- Complete the Firm-Fixed-Price traffic study within six (6) weeks unless otherwise approved by the BNL Technical Representative.
- Schedules for additional consulting assignments shall be established individually by the BNL Technical Representative.

Communication Requirements

- Provide weekly status updates for active assignments.
- Immediately notify the BNL Technical Representative of issues affecting cost, schedule, or technical performance.

Technical Representative Name: Firoza Zanoni Date: 7/30/2020

Technical Representative Signature: F. Zanoni