



***Environmental, Planning, and Engineering Consultants***

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March 17, 2023

Daniel J. Sarnoff  
Assistant Village Manager  
Village of Mamaroneck  
123 Mamaroneck Avenue  
Mamaroneck, NY 10543

Re: Proposal for Rockland Avenue Traffic Calming Study

Dear Mr. Sarnoff:

As per your request, below is a proposal for a study to evaluate traffic calming and safety solutions for the segment of Rockland Avenue between Hickory Grove Road and the Metro-North Railroad Bridge overpass along with a small segment of Hickory Grove Road between its intersection with Rockland Avenue and the Town/Village line ("the Rockland Avenue corridor"). We will conduct this work per the terms and conditions in our agreement dated August 21, 2018.

***ROCKLAND AVENUE TRAFFIC CALMING STUDY***

Similar to other traffic calming studies AKRF has performed on behalf of the Village, AKRF will collect traffic volume and crash data along the Rockland Avenue corridor to evaluate requirements for the potential implementation of all-way stop traffic control for the intersections of Rockland Avenue at Hickory Grove Road, Baldwin Place, Fayette Avenue, and Waverly Avenue/Harmon Road. AKRF will also evaluate the need for and benefits of marked crosswalks, sidewalk improvements, additional pavement markings, and/or other traffic calming measures. In support of the evaluation of these traffic calming measures, traffic volumes at the intersections listed above for the weekday AM, PM, and Saturday peak hours will be counted. In order to evaluate vehicle speed conditions along the Rockland Avenue corridor, AKRF will collect vehicle speed data. Observations and spot counts of pedestrians and cyclists will be collected on a typical weekday and Saturday at selected locations along the Rockland Avenue corridor. AKRF will also obtain historic crash data.

To evaluate the existing conditions, the traffic volume and speeds along these streets must be collected as indicated above. The most efficient way to collect these data which also maintains personal privacy and anonymity is to deploy Automatic Traffic Recorder (ATR) pneumatic tubes across Rockland Avenue at up to two strategic locations (see **Figure 1**). The ATRs will collect volume and speed data by the hour for a week. AKRF will tabulate these data and compare them to expected volumes and speeds for similar streets. However, the collection of turning movement counts (TMC, which represent the turning movement volumes at the intersections) would require the traffic volumes to be counted manually by staff or electronically via mounted cameras. For budgeting purposes, AKRF assumes that the TMCs will be collected via mounted cameras for the four intersections shown in **Figure 1**.



**Figure 1: Rockland Avenue Corridor Study Area**

AKRF will present a draft technical report including graphics illustrating the preferred improvements to the Village, similar to the Old White Plains Road and Grand Street report.

*Assumptions/Exclusions:*

- Land survey and ROW mapping are excluded from this scope of work.
- Cost estimates of improvements are excluded from this scope of work.
- Meetings and formal presentation of the report are excluded from this scope of work.

The cost estimate for the above scope of work is estimated to be **\$14,500**.

Sincerely,  
AKRF, Inc.

Matthew T. Carmody, P.E., RSP1  
Vice President

cc: Alex Auld, AKRF