

MEMORANDUM

To: Robert Kosin, Village Administrator

From: Daniel J. Strahan, P.E., CFM
Gewalt Hamilton Associates (GHA)

Date: June 19, 2014

Re: Bicycle Volume Assessment Proposal

850 Forest Edge Drive, Vernon Hills, IL 60061
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At the past several Plan Commission meetings the topic of Bicycle Planning has been an agenda item that has garnered great interest. Much of the discussion has centered upon the volume of bicycle traffic, especially competitive bicycle enthusiasts, currently utilizing Village roads. While the Village has gathered substantial vehicular traffic volume data, no such data exists to quantify the bicycle traffic currently in the Village.

The attached map illustrates a proposal to utilize Miovision cameras at various intersections to assess the current volume of bike traffic on the local roadway network. By positioning the cameras at the 11 intersections listed we can get a good indication of the volume of bicycle traffic on most of the roadway segments in the Village. Miovision cameras have been utilized on two occasions previously in the Village, gathering traffic data for the Cuba Road Bridge project and at County Line & Haeger's Bend Road, both instances occurring in 2012.

As we don't anticipate any bicycle traffic during the overnight hours, we would propose a 16-hour count (6 AM - 10 PM). The cost for the 11 intersections indicated would be \$7,500. Alternatively, we could conduct 24 hour counts at these locations for \$11,200. While we can also gather vehicular traffic volumes through these cameras, please note that they would not reflect typical weekday vehicle traffic conditions since the counts will be scheduled for a Saturday when bicycle traffic is at its peak.

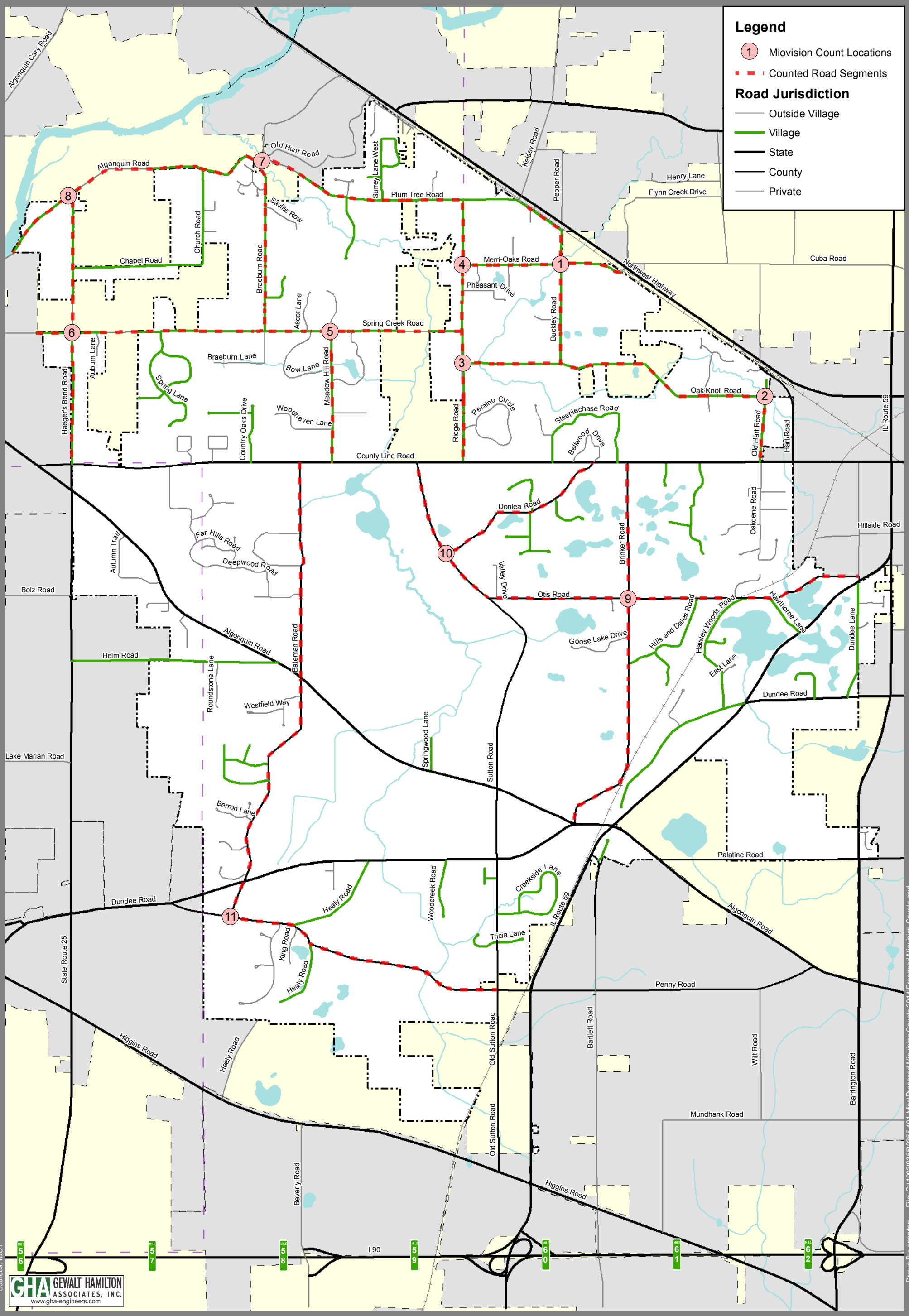
cc: Board of Trustees

Legend

- ① Miovision Count Locations
- Counted Road Segments

Road Jurisdiction

- Outside Village
- Village
- State
- County
- Private



Sources: IDOT
GHA GEWALT HAMILTON
 ASSOCIATES, INC.
 www.gha-engineers.com



1 inch = 3,500 Feet

Proposed Miovision Counts

Barrington Hills, IL

Drawn By: gnewton File: G:\19393935\9355.401\Misc\Proposed Miovision Counts 2014\Proposed Miovision Counts.mxd