

## MEMORANDUM

To: **Mr. Robert Kosin, AICP**  
*Village Administrator*  
Village of Barrington Hills

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Copy: Dan Strahan, P.E. – Assistant Village Engineer

From: Dan Brinkman, P.E.

Re: Traffic Observations  
Bateman Road / Deepwood Road / Bateman Circle  
Barrington Hills, Illinois

Date: July 20, 2011

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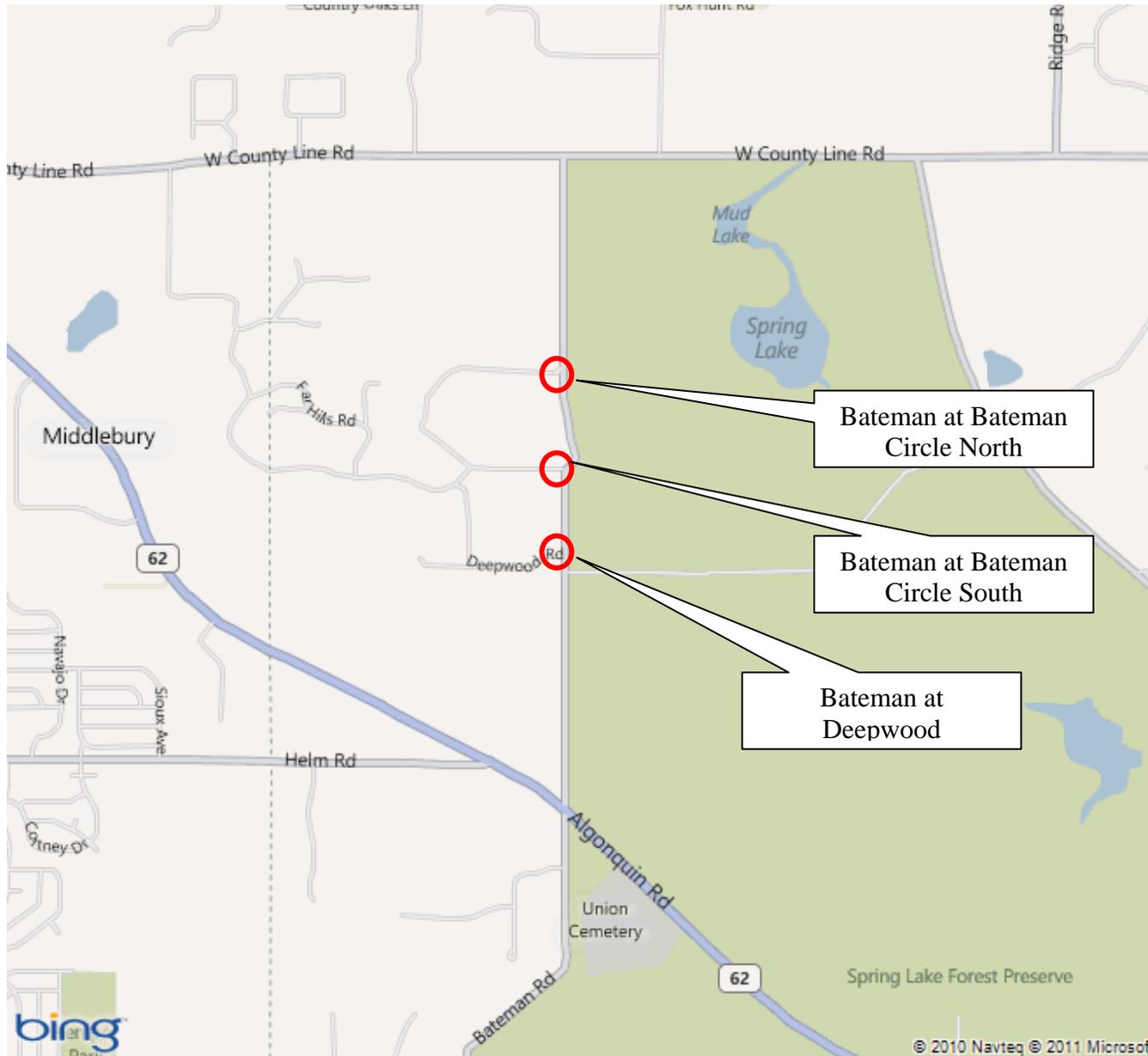
Per your request, Gewalt Hamilton Associates, Inc. (GHA) conducted detailed observations of traffic volumes, vehicle types and travel patterns at three locations along Bateman Road within the Village of Barrington Hills. We offer the following brief summary of our methodology, observations and findings.

- *Exhibit 1* identifies the three locations where manual traffic counts were conducted intermittently over a period of 4 days beginning with Wednesday July 13 and ending on Monday July 18, 2011.
- The three locations were Bateman Road @ Deepwood Road, Bateman Road @ Bateman Circle South and Bateman Road @ Deepwood Circle North.
- Weekday data was collected at 15-minute intervals between 6:30-9:30 am, 11 am-1 pm and 4-6 pm.
- In lieu of simple turning movement counts, data was collected for each vehicle identifying passenger versus commercial vehicles and / or service vehicles. Each commercial vehicle was identified by the business name (e.g. "ABC-Electric"). While very limited pedestrian / equestrian volumes were also tabulated.
- Exhibits 2-4 tabulate the various locations and dates of data collection for Deepwood Road, Bateman Circle South and Bateman Circle North respectively.
- Peak Hour traffic volumes were generally in the range of 15 or fewer total movements at the intersections, which would equate to the expected trip generation of roughly 15-20 single family homes.
- Passenger vehicle volume did not seem out of character with the area and development density.
- Repeat and or patterns of commercial vehicles were limited to a few service companies. The service companies that were observed on more than one day (i.e. making repeated visits to the study area intersections) were:
  - Hinckley & Schmidt water delivery
  - Daniel Lopez Landscaping
  - Main Lite Electric
  - Marshall Appliance repair
  - Spring Tree Care

None of these business entities were observed more than once per day and none were observed more than 2 different days in the study area.

In summary, there was no obvious uncharacteristic patterns in terms of vehicular volume or pattern of repeated commercial vehicles, deliveries, etc. that were identified during our observations.

I hope that you find these comments and summarized data helpful.



**Count Locations – Bateman Road; Barrington Hills, IL**

**Exhibit 2a**  
**Bateman Road at Deepwood**  
**Wednesday, July 13, 2011**

Time	Turn			
	Bateman SB into Deepwood	Bateman NB into Deepwood	Deepwood to Bateman SB	Deepwood to Bateman NB
6:30AM		1 Passenger	2 Passenger	1 Passenger
6:45AM			2 Passenger	
7:00AM				1 Passenger
7:15AM	1 Passenger			
7:30AM			2 Passenger	1 Passenger
7:45AM				
8:00AM			1 Passenger	
8:15AM			1 Bicycle	
8:30AM			1 Passenger, 1 Truck- Comcast	
8:45AM	3 Passenger		1 Passenger	
9:00AM	1 Passenger	1 Passenger		1 Passenger
9:15AM				1 Passenger
11:00AM				1 Passenger, 1 Truck- Hinkely
11:15AM			1 Passenger	
11:30AM				
11:45AM			1 Passenger	
12:00PM		1 Passenger		
12:15PM				
12:30PM			2 Passenger	
12:45PM		2 Passenger		
4:00PM		1 Passenger		
4:15PM		1 Passenger	1 Passenger	
4:30PM		4 Passenger		
4:45PM		2 Passenger		
5:00PM			1 Passenger	
5:15PM			1 Passenger	
5:30PM	1 Passenger	1 Passenger		
5:45PM			1 Passenger	

**Exhibit 2b**  
**Bateman Road at Deepwood**  
**Thursday, July 14, 2011**

Time	Turn			
	Bateman SB into Deepwood	Bateman NB into Deepwood	Deepwood to Bateman SB	Deepwood to Bateman NB
6:30AM		2 Passenger	2 Passenger	
6:45AM		1 Passenger	1 Passenger	
7:00AM	1 Truck and Trailer	1 Van- Construction	2 Passenger	
7:15AM	1 Truck- Wood Chipper			
7:30AM			1 Passenger	
7:45AM				
8:00AM				1 Passenger
8:15AM				1 Truck- Wood Chipper, 1 Truck- Landscaping
8:30AM			1 Truck- Wood Chipper	
8:45AM		2 Passenger		
9:00AM				
9:15AM		1 Passenger, 1 Truck- Classic Party Rentals	1 Passenger, 1 Truck- Classic Party Rentals	
11:00AM	1 Passenger	2 Passenger	1 Truck- Marshall Appliance Repair	2 Passenger
11:15AM			1 Passenger	1 Passenger
11:30AM		1 Passenger		
11:45AM			1 Passenger	
12:00PM				
12:15PM		1 Passenger		
12:30PM	1 Truck- Landscaping		Passenger	
12:45PM		2 Passenger	1 Passenger, 1 Truck- UPS	
4:00PM	1 Passenger	1 Passenger	1 Golf Cart	
4:15PM				2 Passenger
4:30PM				
4:45PM				1 Passenger
5:00PM		1 Passenger	1 Passenger	
5:15PM			1 Passenger	
5:30PM		1 Passenger	1 Passenger	1 Passenger
5:45PM	1 Passenger	1 Passenger		

**Exhibit 2c**  
**Bateman Road at Deepwood**  
**Saturday July 16, 2011**

Time	Turn			
	Bateman SB into Deepwood	Bateman NB into Deepwood	Deepwood to Bateman SB	Deepwood to Bateman NB
6:30AM				
6:45AM				
7:00AM		1 Passenger		
7:15AM				
7:30AM			2 Passenger	
7:45AM		1 Passenger	1 Passenger	
8:00AM				
8:15AM		1 Passenger		
8:30AM		1 Passenger		
8:45AM				
9:00AM				
9:15AM			1 Passenger	
9:30AM				
9:45AM				
10:00AM			2 Passenger	
10:15AM	2 Passenger		1 Passenger	
10:30AM	3 Truck and Trailer	1 Truck and Trailer		
10:45AM	1 Truck and Trailer			
11:00AM				
11:15AM		1 Passenger		
11:30AM		1 Passenger	2 Passenger	
11:45AM			1 Passenger	
12:00PM			2 Passenger	
12:15PM		1 Truck and Trailer		1 Passenger
12:30PM			1 Passenger	
12:45PM		1 Passenger		

**Exhibit 2d**  
**Bateman Road at Deepwood**  
**Monday July 18, 2011**

Time	Turn			
	Bateman SB into Deepwood	Bateman NB into Deepwood	Deepwood to Bateman SB	Deepwood to Bateman NB
6:30AM				
6:45AM			1 Passenger	
7:00AM			2 Passenger	
7:15AM			1 Passenger	
7:30AM		1 Passenger		
7:45AM			2 Passenger	
8:00AM		1 Truck- Bella Windows		
8:15AM			1 Passenger	
8:30AM			1 Passenger	
8:45AM			2 Passenger	
9:00AM			1 Passenger	
9:15AM			3 Passenger	
11:00AM	1 Passenger		1 Passenger	
11:15AM		1 Passenger		1 Passenger
11:30AM				
11:45AM				
12:00PM	1 Truck	2 Passenger		
12:15PM			1 Passenger	
12:30PM	1 Passenger			
12:45PM	1 Passenger	2 Trucks- Hinkley, RSVP Catering	1 Passenger, 1 Truck, Amy Home Services	1 Truck- RSVP Catering
4:00PM		1 Passenger		
4:15PM			1 Passenger, 1 Truck- Expert Lock and Safe	
4:30PM		1 Passenger		
4:45PM				
5:00PM		1 Passenger, 1 Truck- Appliance Marshall Repair		
5:15PM		1 Passenger	1 Passenger	
5:30PM	1 Passenger	2 Passenger		
5:45PM		2 Passenger	1 Passenger	

**Exhibit 3a**  
**Bateman Road at Bateman Circle South**  
**Wednesday July 13, 2011**

Time	Turn			
	Bateman SB into Bateman Cir	Bateman NB into Bateman Cir	Bateman Cir to Bateman SB	Bateman Cir to Bateman NB
6:30AM				
6:45AM				
7:00AM	1 Passenger		1 Passenger	
7:15AM				
7:30AM		1 Truck- Landscaping	1 Passenger	
7:45AM				
8:00AM				1 Passenger, 1 Truck- Landscaping
8:15AM	1 Passenger			2 Passenger
8:30AM		1 Passenger	1 Truck and Trailer	
8:45AM	2 Passenger	1 Passenger	1 Passenger	
9:00AM	2 Passenger		1 Passenger	1 Passenger
9:15AM			1 Passenger	
11:00AM	1 Truck and Trailer		2 Trucks- Main Lite Electric	1 Passenger, 1 Truck
11:15AM	3 Passenger			2 Passenger
				1 Truck and Trailer, 1 Truck- Landscaping, 2 Passenger, 1 Truck
11:30AM	2 Passenger			
11:45AM	1 Passenger			1 Passenger
12:00PM		1 Truck- Main Lite Electric	1 Truck- Main Lite Electric	2 Passenger
12:15PM	1 Passenger			3 Passenger
12:30PM	3 Passenger, 1 Mail Truck		2 Trucks- Main Lite Electric	1 Passenger
12:45PM	1 Passenger			1 Passenger
4:00PM	3 Passenger	2 Passenger	1 Passenger	2 Passenger
4:15PM	1 Passenger			1 Passenger
4:30PM	2 Passenger			1 Passenger
4:45PM	1 Passenger	1 Passenger		2 Passenger
5:00PM	2 Passenger	1 Passenger		
5:15PM	1 Passenger	1 Truck- Fed Ex Express	1 Truck- Comcast	3 Passenger
5:30PM				
5:45PM	2 Passenger			2 Passenger

**Exhibit 3b  
Bateman Road at Bateman Circle South  
Thursday July 14, 2011**

Time	Turn				PEDS
	Bateman SB into Bateman Cir	Bateman NB into Bateman Cir	Bateman Cir to Bateman SB	Bateman Cir to Bateman NB	
6:30AM				1 Passenger	
6:45AM					
7:00AM					
7:15AM	1 Passenger				
7:30AM				1 Passenger - Daniel Lopez	
7:45AM	1 Passenger - Daniel Lopez Landscaping	1 Passenger - Comcast (turned around)		1 Passenger - Comcast (turned around)	
8:00AM	1 Passenger				
8:15AM	1 Passenger			1 Truck and Trailer - Trinity Inc	1
8:30AM	2 Passenger				
8:45AM	1 Passenger		1 Passenger		
9:00AM	1 Passenger	2 Passenger			
9:15AM	1 Passenger		2 Passenger		
11:00AM	1 Passenger - Comcast				
11:15AM					
11:30AM			1 Truck - Garbage		
11:45AM	2 Passenger, 1 Truck - Garbage		2 Passenger		
12:00PM	1 Passenger	2 Passenger	1 Passenger		
12:15PM	1 Passenger, 1 Passenger - Comcast			1 Passenger - Comcast	
12:30PM		1 Passenger	1 Passenger		2
12:45PM	3 Passenger				
4:00PM	1 Passenger		1 Passenger		
4:15PM	1 Passenger				
4:30PM				1 Passenger	
4:45PM	2 Passenger		3 Passenger		
5:00PM	1 Passenger	1 Passenger	1 Passenger		
5:15PM			2 Passenger	2 Passenger	1
5:30PM	3 Passenger		3 Passenger		
5:45PM	1 Passenger	2 Passenger			

**Exhibit 3c**  
**Bateman Road at Bateman Circle South**  
**Saturday July 16, 2011**

Time	Turn				PEDS
	Bateman SB into Bateman Cir	Bateman NB into Bateman Cir	Bateman Cir to Bateman SB	Bateman Cir to Bateman NB	
6:30AM			1 Bicyclist		
6:45AM				1 Passenger	
7:00AM			1 Passenger		
7:15AM					
7:30AM		1 Truck - Daniel Lopez Landscaping	1 Passenger	1 Passenger	
7:45AM			1 Passenger	1 Truck - Daniel Lopez Landscaping	
8:00AM					
8:15AM		1 Passenger		2 Passenger	1
8:30AM		1 Truck - Main Lite Electric	1 Passenger		
8:45AM	1 Passenger		1 Passenger		
9:00AM			1 Truck - Main Lite Electric		
9:15AM					
9:30AM			1 Truck - The Care of Trees		
9:45AM		1 Truck - Eco Shield Pest Control			
10:00AM	2 Passenger, 1 Truck - FedEx	1 Truck - Fed Ex		1 Passenger	
10:15AM			1 Passenger	1 Passenger	
10:30AM			2 Passenger		
10:45AM	1 Passenger				
11:00AM					
11:15AM	2 Passenger			1 Passenger	2
11:30AM	2 Passenger		1 Passenger	1 Passenger	
11:45AM				2 Passenger	
12:00PM	1 Passenger	2 Passenger	1 Truck - Countryside	1 Passenger	
12:15PM	1 Passenger		1 Passenger		
12:30PM	1 Truck - Mail				
12:45PM	2 Passenger	1 Passenger			
					1

**Exhibit 3d**  
**Bateman Road at Bateman Circle South**  
**Monday July 18, 2011**

Time	Turn				PEDS
	Bateman SB into Bateman Cir	Bateman NB into Bateman Cir	Bateman Cir to Bateman SB	Bateman Cir to Bateman NB	
6:30AM					
6:45AM					
7:00AM			1 Passenger		
7:15AM					
7:30AM			1 Passenger		
7:45AM				2 Passenger	
8:00AM	1 Passenger	1 Passenger, 1 Truck - Daniel Lopez Landscaping	1 Passenger, 1 Truck - Benitez and Garcia Landscaping		
8:15AM	1 Passenger		2 Passenger	1 Truck - Daniel Lopez Landscaping	
8:30AM					
8:45AM				1 Passenger	
9:00AM			1 Passenger	2 Passenger	
9:15AM					
11:00AM					
11:15AM	1 Passenger				
11:30AM					
11:45AM	3 Passenger	1 Truck - Spring Tree Care	1 Passenger	2 Passenger	
12:00PM	1 Passenger			2 Passenger	
12:15PM	2 Passenger			2 Passenger	
12:30PM	1 Passenger, 1 Truck - Mail	1 Passenger			
12:45PM	1 Passenger			3 Passenger, 1 Truck - Spring Tree Care	
4:00PM	2 Passenger			2 Passenger	
4:15PM	1 Passenger	2 Passenger			
4:30PM	2 Passenger			1 Passenger	
4:45PM	2 Passenger		1 Truck		
5:00PM	1 Passenger	1 Passenger	1 Passenger		
5:15PM	2 Passenger			2 Passenger	
5:30PM					
5:45PM	1 Passenger				

**Exhibit 4**  
**Bateman Road at Bateman Circle North**  
**Monday July 18, 2011**

Time	Turn			
	Bateman SB into Bateman Cir	Bateman NB into Bateman Cir	Bateman Cir to Bateman SB	Bateman Cir to Bateman NB
6:30AM				1 Passenger
6:45AM	1 Passenger	1 Passenger		1 Passenger
7:00AM				1 Passenger
7:15AM	1 Passenger			
7:30AM	1 Passenger			5 Passenger
7:45AM		1 Truck- Landscaping		1 Passenger
8:00AM				
8:15AM	1 Passenger			1 Passenger
8:30AM			1 Passenger	
8:45AM			1 Passenger	2 Passenger
9:00AM			1 Passenger	
9:15AM				
11:00AM	1 Passenger			
11:15AM				
11:30AM		1 Passenger Truck- Spring Tree Care		
11:45AM				1 Passenger Truck- Spring Tree Care
12:00PM		1 Passenger		2 Passenger
12:15PM		2 Passenger, 1 Passenger Truck- Orkin		1 Passenger
12:30PM	1 Passenger		1 Passenger Truck- Orkin, 1 Mail truck	1 Passenger
12:45PM		1 Passenger	2 Passenger	
4:00PM			1 Passenger	1 Truck- Sawwell Tree
4:15PM	1 Passenger	1 Passenger		
4:30PM				
4:45PM				
5:00PM		1 Passenger	1 Passenger	2 Passenger
5:15PM		1 Passenger		1 Passenger
5:30PM	3 Passenger	2 Passenger		1 Passenger
5:45PM				