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## Memorandum

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**To:** Mollie Messenger; Town of Fallsburg  
**From:** Michael Beattie, PE, PTOE  
**Date:** June 13, 2017  
**Re:** Davos Resort –Traffic Analysis Approach  
Nanette Bourne, Anthony Russo, Chris Robbins, and Peter Feroe; AKRF  
**cc:** Ken Wersted, PE, PTOE; Creighton Manning  
Jacob Billig and Gary Silver; Billig Loughlin & Silver, LLP

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This memorandum presents the traffic analysis approach and study locations for Davos Resorts project located on Davos Road in Fallsburg, NY. There are currently approvals for 700 residential units and a 100 room hotel with 90 townhouses. The Project Team is developing a concept level master plan for the property but as a preliminary analysis (subject to change) the development program might exceed the approved program by 200 residential units and 100 hotel rooms.

### STUDY APPROACH

The traffic analysis will conform to standard traffic analysis practices, including:

- Traffic analysis conducted for Existing, No Build, and Build (as approved and proposed) scenarios.
- Intersection analysis conforming to the methodologies contained in the *Highway Capacity Manual*.
- Intersection turning movement counts collected during summer months during:
  - Friday peak period (4 PM – 6PM)
  - Sunday peak period (3 PM – 5 PM)
- Turning movement counts supplemented with Automatic Tube Recorders (ATR) to capture daily fluctuations.
- No Build volumes developed by applying a reasonable growth rate, based on historical growth trends and in coordination with the Town's Consultant, and adding trips from specific other development projects.
- Trip generation estimates developed using trip rates presented in the *ITE Trip Generation Manual, 9th Edition*.

- Level of service analyses will be summarized and conditions between No-Build and Build will be compared. Significant changes and mitigation for negative impacts will be identified and described.
- Sight distances for new access roads connecting to the existing transportation network will be measured and compared to AASHTO guidelines.

**STUDY AREA**

The proposed list of study intersections are presented below.

1. Green Street Avenue / Broadway / North Street
2. Broadway / Lew Street (Davos Road)
3. Davos Road / Glen Wild Road
4. Old Glen Wild Road / Glen Wild Road
5. Grey Road / Avon Lodge Road / Denniston Hill Road
6. Route 42 / Brickman Road
7. Old Glen Wild Road / Church Road / Glen Wild Road