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Memorandum

To: Mollie Messenger; Town of Fallsburg
From: Michael Beattie, PE, PTOE
Date: June 6, 2017
Re: Davos Resort – Proposed 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

This memorandum presents the proposed 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.

The Project Team is seeking approvals for the scope below in order to begin the traffic analysis this summer, specifically the collection of traffic volumes, with analysis of the proposed plan this fall/winter, after the planning team refines the development proposal.

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