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Altitude Introduces New AADT Metrics from Improved Expansion Factors 3.0 Model for Reliable, Granular Traffic Volume Insights

We are thrilled to announce significant updates to the Altitude platform: the modeled AADT API and the Expansion Factors 3.0 Model. At Geotab, our mission is to deliver the most actionable insights, turning data into valuable tools for planning and decision-making. The new AADT (Annual Average Daily Traffic) feature provides a comprehensive understanding of total vehicle population and traffic volume, addressing scenarios where sampled data alone is insufficient.

Comprehensive, Reliable Traffic Volume from Transparent Methods

Shaped by your feedback, these updates give transportation planners comprehensive modeled traffic data for the United States for 2022. Our transparent methodology ensures you can trust the insights from our enhanced sampling techniques.

- **Modeled AADT:** Available through the Regional Travel Metrics module, this API provides road volume metrics with the AADT metric and includes the expanded vehicle distance traveled (VMT / VKT), saving users from expanding the estimates.
- **Greater Road Granularity:** Offers significantly more coverage than the previous model, providing detailed insights into Motorways, Primary, Trunk, Secondary, and Tertiary road segments.
- **Segmentable Traffic Volumes:** Classifies vehicle volumes by heavy (class 7, 8), medium (class 3-6), and all commercial and non-commercial vehicles.
- **County & State Expansion:** Support for every state and the majority of counties in the U.S. allows for comprehensive coverage by applying county and state-level expansion factors. These factors can be applied to various zones at the user's discretion, including City, TAZ, ZIP, and CTR.

Greater Granularity from Improved Methodology

- **Data Integrity:** Reliability starts from the source, Altitude is the source of commercial vehicle data from over 4 million vehicles, offering insights into vehicle class, vocation, fuel type, and industry.
- **Improved Model:** Transitioning from TMAS data from 14,000 FHWA directional stations to HPMS AADT data, our new model provides insights for over 8 million road segments, including smaller and less trafficked road types.
- **Transparent Methodology:** Our transparent approach allows customers to see how road segment traffic volumes and expansion factors are modeled and estimated, ensuring data can be checked, trusted, and relied upon.

Resources and Information:

The AADT and vehicle distance traveled APIs are available through the Regional Travel Metric Module. Contact your account representative for access. Expansion Factors Version 3.0 is available for all accounts and existing users have been automatically updated.

For more information, visit the [User guide](#), [API guide](#), or contact altitudesupport@geotab.com with any questions.