

## 2.1.1

### The All Roads Network (ARN)

#### **Presenter**

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It was announced on August 7, 2012, that FHWA's Highway Performance Monitoring System (HPMS) will expand the requirement for States to submit their Linear Referencing System (LRS) from the Federal-aid system to include all public roads. Based on existing requirements for bridge inspection and reporting, safety analysis, and certified public road mileage, it is expected that States have this information or are in the process of acquiring it. FHWA is undertaking a study and a follow-on pooled-fund project to assist States to acquire this information in a way that is consistent across States and produces an National Highway Baseline (NHB) Linear Referencing System (LRS) in keeping with the initial TFTN data set of consistent, current, high quality road centerline data for the entire country.

This study will produce a number of products that are either technical or procedural in nature. Coordination of data providers as well as the specifications for submission to FHWA will be considered. Guidance will therefore include both state-of-the-practice summaries that will inform decision makers on the best approach for their State, as well technical requirements that ensure the resulting NHB is consistent and meets the alignment and accuracy requirements established as part of the study.

GIS-T will be the first public forum where this important project will be introduced to a national audience. The presentation will cover the goals, tasks, and progress made up to the time of the session.

#### **Bio(s):**

Joe has a BA in Geography and a Master's degree in planning from The Ohio State University. He has over 5 years of local government experience and 17 years of State DOT experience. Four years ago he joined the FHWA, HPMS Team.

Mr Roff has been with the FHWA HPMS Program since 2001 after a 16 year career at the National Imagery and Mapping Agency (NIMA now NGA). He went to University North Carolina-Charlotte