TB–TAG MEETING

Topic: BIG DATA

When: Wednesday - March 1, 2017
Time: 12:00 p.m. to 2:00p.m.
Location: FDOT D7 Auditorium

RSVP Not Required, Bring Your Own Lunch to Meeting

Robert Bertini and Sean Barbeau, Center for Urban Transportation Research (CUTR)

What is Big Data? This presentation will provide a general introduction to the definition of Big Data, and how it applies to the transportation planning arena. A broad perspective on research and application of Big Data will be discussed.

Matthew Martimo, Citilabs

This presentation will review, contrast, and compare Big Data sources: Cellular, Mobile GPS, Connected Car, Ad Exchange, Transactional, Loop Detectors, Bluetooth, and Video Detection. Each type of data contains so much information and paints a unique picture of travel. However when the data start combining, new insights are revealed on the total travel of a complete population. Applications of the combined picture of travel and new questions that can be answered will be demonstrated and discussed.

Rob Schiffer, Stantec

A wide range of origin/destination (O/D) data sources, approaches, technologies, and techniques are available that did not exist until recently. Many of these are "passive" data extraction techniques that use devices with global positioning systems (GPS), thus providing cost savings in data collection and allowing for larger sample sizes than traditional O/D survey techniques. This presentation will cover a range of data sources and considerations in selecting methodologies including vendor/product name, approach, sampling unit, survey periods, relative vintage and relative cost. This information was obtained through Stantec's experience using these alternative methodologies in toll corridor feasibility studies; demonstrations and discussions with vendors; and a project for the Polk County Transportation Planning Organization (TPO) on comparing alternative methodologies.

Krishnan Viswanathan, Cambridge Systematics

One core function of the FDOT Modeling Section is to provide the data and analytical tools to help the Florida Transportation Plan (FTP) realize the goal of efficient movement of goods and people over the next 25 years. The FDOT has a mission to train planners to develop and analyze transportation data, apply methods and develop models to serve their local planning needs. This presentation will address how the State is helping to meet these needs by providing a statewide Freight model, examples of how to apply the model, data sources to support the model, and statewide training.

Meeting will be submitted for 2 AICP CM credits
A PE PDH Certificate for 2 credits will be emailed after meeting