Civil Integrated Management (CIM)

June 15, 2011

Background: CIM is the collection, organization, and managed accessibility to accurate data and information related to a highway facility. The concept may be used by all affected parties for a wide range of purposes, including planning, environmental, surveying, construction, maintenance, asset management, and risk assessment.

Object: The objective of this one-day training is to introduce the principles of CIM, provide examples of technologies and tools that are available today to assist, and provide project examples where it has worked.

General Session

8:00-8:15am – Welcome and Civil Integrated Management
8:15 -9:00am – 3, 4, 5, and xD Modeling in highway design and construction
9:00-9:45am – Project Example - 3D modeling for constructability in an urban area
9:45-10:30am – Project Example – Automated machine guidance control

10:30 – 10:45am - Break

Break Out Sessions

A 10:45 – 12:15 – Surveying and data management to support 3D design
B 10:45 – 12:15 – Utilization of intelligent compaction for acceptance
C 10:45 – 12:15 - 3-D software tools
D 10:45 – 12:15 – Legal liability of design and survey

12:15 – 1:00pm Lunch (on your own)

Break Out Sessions

A 1:00 – 2:30pm – 3D Plan Modeling from a program perspective
B 1:00 – 2:30pm – Automated machine guidance control systems
C 1:00 – 2:30pm – Alternative contracting methods that support CIM
D 1:00 – 2:30pm – SHRP2 technologies and tools to help mitigate utility conflicts in construction