

SEMINAR

Co-Sponsored by the University of California Transportation Center (UCTC)

Friday, February 7, 2014
2:30 – 3:30 pm

Seminar Room 4080 AIR Building

**INTELLIGENT TRANSPORTATION
SYSTEMS (ITS) IN TODAY'S WORLD**

**Frank Quon, P.E.
Highway Program Executive Officer
LA Metro**

Intelligent Transportation Systems (ITS) encompass a broad range of wireless and wireline communications-based information, control and electronics technologies. When integrated into the transportation system infrastructure, and in vehicles themselves, these technologies help to monitor and manage traffic flow and capacity, reduce congestion, provide alternate routes to travelers, enhance productivity, and save lives, time and money.

Mr. Quon will be providing an overview of traditional infrastructure projects to develop a framework of how ITS technologies can be used to effectively manage traffic. Case studies of ITS projects in the Los Angeles region will be introduced to show the process of identifying traffic problems and responding with the appropriate ITS strategies that bridges the gap between existing infrastructure and technology through Intermodal Integration.

This will lead into a discussion of ITS strategies including: adaptive ramp metering, Connected Corridors, Bike Detection, Bus Signal Priority, Smart Park and Ride, Express Park, Smart Arterials, Smarter Highways, Express Lanes and Traffic Signal Synchronization.

Frank Quon is currently the Executive Officer in the Highway Program with the Los Angeles County Metropolitan Transportation Authority (Metro). He holds responsibilities for the delivery of Highway Projects funded through Metro and the Countywide Signal Synchronization/Bus Speed Priority Program. He manages the delivery of \$12-\$15 billion highway projects throughout Los Angeles County. Previously, Frank was the Deputy District Director for Operations in District 7. He had the responsibility for the safety and operation of the state freeway and highway system in Los Angeles and Ventura Counties. Frank earned his Bachelor of Science degree in Civil Engineering from Loyola Marymount University.