

TRANSPORTATION ENGINEERING SEMINAR

Implementation of a Pavement Management System and Pavement Preservation Practices in the City of Phoenix

Friday, October 23th, 2015

3:00pm to 4:30pm

Please join us on the ASU Tempe Campus - CAVC425

Rubben Kofi Lolly, PE & Ryan Stevens, EIT

Pavement Management Section - Street Transportation Department
City of Phoenix

Abstract: Most municipalities and agencies are faced with diminishing resources even as inventories of their infrastructure continue to grow along with increasing population demand. This inventory buildup requires increased investment of resources to preserve, maintain, and rehabilitate aging infrastructure. In order to obtain the best return on investment, it is apparent that agencies need to deploy necessary tools to assist in efficient planning and disbursement of asset maintenance funds. The City of Phoenix deployed a Pavement Management System (PMS) to manage its road network. The PMS is used to help plan maintenance activity in such a way as to optimize the condition of its entire pavement asset network. Mr. Lolly and Mr. Stevens will present the implementation and use of a PMS as a planning tool for the City's pavement preservation, maintenance and resurfacing program.

Rubben Kofi Lolly, PE, *Civil Engineer III - Pavement Management, City of Phoenix*

Mr. Lolly manages the Pavement Management System and Preservation Program in the City of Phoenix Street Transportation Department. His team is responsible for scheduling pavement preservation programs for residential, arterial, major collector and local streets within the city. He is a registered professional engineer and has 11 years of experience in transportation materials, pavement design and construction, and pavement management. Mr. Lolly holds Bachelor's and Master's degrees from Arizona State University. Rubben is also an avid martial artist in the art of Taekwondo. He currently holds a 7th degree Black Belt and is an internationally certified Master from the Taekwondo Headquarters at Kukkiwon, Korea. He also is the Head Coach for the Arizona State University Taekwondo Club and operates his own dojang (studio) called First Taekwondo Arizona.

Ryan Stevens, EIT, *Civil Engineer II - Pavement Management, City of Phoenix*

Mr. Stevens is an Engineer II in the Pavement Management Section of the Street Transportation Department. A Phoenix native, Ryan holds Bachelor's and Master's degrees from Arizona State University. While pursuing his Master's degree, Ryan was a Graduate Research Assistant in the pavement design and materials group. His Master's thesis focused on the development of a pavement striping test protocol. Additional research included the evaluation of multiple stress creep and recovery test data for Arizona asphalt binders. He is also a graduate of the Barrett Honors College at ASU and a Fellow with the International Road Federation.



<http://goo.gl/A9e8aq>



Sponsored by GPSA.
Event is open to the public.