

July 2005

American Association of State Highway
and Transportation Officials



National Value Engineering Award

Presented by the
AASHTO Value Engineering
Technical Committee

July 22, 2005

Awarded to the
Washington State
Department of Transportation

For the
Most Value Added Proposal
Preconstruction Engineering
\$25 - \$75 Million



The **Washington State Department of Transportation** (WSDOT) was recognized for Value Engineering achievements at the 2005 AASHTO Value Engineering Conference held in San Antonio, Texas, July 19 – 22, 2005.

2005 Value Engineering Awards Luncheon. From left: Susan McClain, Conference Chair; Eric Meng, MENG Analysis, Inc.; Stacy Trussler, WSDOT I-405 Project; Ken Smith, AASHTO Value Engineering Technical Committee Chair.

The award for *Most Value Added Proposal in Pre-Construction Engineering for a \$25 - \$75 Million project* was accepted by Eric Meng of MENG Analysis, Inc., and Stacy Trussler, from WSDOT's Urban Corridors, for the **I-405 Stormwater Drainage Project**.

WSDOT is preparing to expand the I-405 corridor that connects the region's largest cities. The sole focus of this VE study was to identify ways to best control and treat the stormwater runoff as the freeway crosses rivers, streams, watersheds, and wetlands. Much of the original design relied on the use of traditional stormwater treatment structures – massive vaults and treatment systems. The VE team explored more environmentally sustainable solutions to eliminate hard structures. Though the VE team's most value added proposal involved the replacement of these vaults with alternative treatment options, this proposal relies on several concepts, offering additional accepted cost advantages exceeding \$62,000,000 with additional life cycle maintenance cost savings.