PERFORMANCE-BASED PLANNING 2.0: RAISING THE BAR WITH SHRP-2

Saleem Salameh, Ph.D., P.E.
KYOVA Interstate Planning Commission
400 Third Avenue
Huntington, WV 25712
304-523-7434
ssalameh@kyovaipc.org

Allison Fluitt, P.E., AICP
Kimley-Horn and Associates, Inc.
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
919-653-2947
Allison.Fluitt@Kimley-Horn.com

Performance-based planning continues to grow in its breadth and importance. At the metropolitan transportation planning level, we are beginning to understand the application of MAP-21 and its focus on quantifiable evaluation metrics. Although the planning goals and focus areas for MAP-21 are the same nationwide, every area has a different take on how best to apply them. By focusing on the similarities and differences in various metropolitan areas and drawing on best practices, we can move performance-based planning to a new level of effectiveness.

The KYOVA Interstate Planning Commission (Huntington, WV – Ashland, KY – Ironton, OH metropolitan area) chose to explore the performance-based planning process in more detail through the second Strategic Highway Research Program (SHRP-2). KYOVA was awarded a grant to improve their project prioritization process for all the major planning efforts in the MPO. This process afforded the opportunity to conduct a two-day workshop with major stakeholders within the region, state DOTs, and the federal government. KYOVA used this unique opportunity to come up with a prioritization process that built upon previous plans, drew from ongoing statewide efforts, and borrowed from techniques being applied successfully elsewhere in the country. Most importantly, the prioritization process looked at data sources that were easily obtainable or currently available in the area. KYOVA was able to draw from new tools available to the area such as an integrated travel demand model, a Congestion Management Plan, and a Spatial Decision Support System. This approach allowed KYOVA to come up with solutions that were grounded in the data management process already in place across the region.

This presentation will focus on two different elements of the performance-based planning process:

1. Review of prioritization processes – We will provide examples of how prioritization criteria are being developed and applied for metropolitan areas from around the country. A special focus will be placed on how each prioritization process maximizes the effectiveness of existing data while giving the MPO the flexibility it needs to streamline its day to day operations.

2. KYOVA's SHRP-2 process – We will focus special attention on how the SHRP-2 program was used to develop a performance-based planning process for the MPO. This discussion will highlight the process used to develop these performance measures as well as the application of these measures.

Using these examples, this presentation will help communities view a variety of approaches and tools for performance-based planning, and to better understand what methods may work best in their areas.