

**International Symposium on Enhancing Highway Performance**  
**7<sup>th</sup> International Symposium on Highway Capacity and Quality of Service**  
**3<sup>rd</sup> International Symposium on Freeway and Tollway Operations**

June 14 – 16, 2016, Berlin, Germany

**HCM 6th Edition “Mega Session” Outline**

*Monday June 13<sup>th</sup> 4:30 PM–6:30 PM*

*Paul Ryus and Bastian Schroeder (Kittelson and Associates)*

1. Introduction and Overview (15 minutes) (Paul Ryus)
  - a. Why a Major Update to the HCM 2010?
  - b. Why a Name Change?
  - c. Guiding Principles for the Update
  - d. HCM 6th Edition Structure
2. Overview of Volume I: Concepts (10 minutes) (Paul Ryus)
  - a. Chapter Overview and Organization
  - b. Key Updates to Chapters
3. Overview of Volume II: Interrupted Flow (15 minutes) (Bastian Schroeder)
  - a. Chapter Overview and Organization
  - b. Key Updates to Concepts
  - c. Reliability and Active Traffic and Demand Management
  - d. Emphasis on Calibration and Validation
4. Overview of Volume III: Uninterrupted Flow (15 minutes) (Bastian Schroeder)
  - a. Chapter Overview and Organization
  - b. Key Updates to Concepts
5. Urban Street Details (15 minutes) (Bastian Schroeder)
  - a. Multimodal Analysis Framework
  - b. Reliability Analysis
  - c. Computational Engine Implementation
6. Roundabout Details (15 minutes) (Lee Rodegerdts or Bastian Schroeder)
  - a. New Capacity Models based on U.S. Research
  - b. Comparison to HCM 2010 and International Models
7. Planning and Preliminary Engineering Applications Guide to the HCM (15 min) (Paul Ryus)
8. Conclusion, Wrap-Up, and Questions (20 minutes) (Paul Ryus)