



**TE-05: Fundamentals of Traffic Operations & Highway Capacity Analysis**  
**COURSE OUTLINE**

**Day 1**

Introduction.....	8:30 - 9:00 am
Overview: The New Highway Capacity Manual (HCM2010).....	9:00 – 10:00 am
Break .....	10:00 -10:10 am
Traffic Flow Fundamentals: Uninterrupted Flow .....	10:10 am -12:00 pm
Lunch .....	12:00 -1:00 pm
Basic Freeway Segments .....	1:00 -2:00 pm
Weaving Sections and Ramps .....	2:00 -3:00 pm
Break .....	3:00 -3:10 pm
Multilane Highways.....	3:10 - 3:45 pm
Rural Two-lane Highways .....	3:45 - 4:30 pm
Open discussion, Q&A, Day 1 course summary .....	4:30 - 5:00 pm

**Day 2**

Traffic Flow Fundamentals: Interrupted Flow.....	8:30 - 10:00 am
Break .....	10:00 -10:10 am
Signalized Intersections.....	10:10 am -12:00 pm
Lunch .....	12:00 -1:00 pm
Unsignalized Intersections/Roundabouts .....	1:00 - 1:45 pm
Urban Streets Segments and Facilities.....	1:45 - 2:45 pm
Break .....	2:45 - 2:55 pm
Pedestrians and Bicycles .....	2:55 - 3:45 pm
Other Topics .....	3:45 - 4:30 pm
Alternative Analysis Tools	
Active Traffic Management	
Open discussion, Q&A, Course summary and evaluation.....	4:30 - 5:00 pm