
In addition to the traditional focus on vehicular movement, the HCM 6th Edition builds on the multimodalism introduced in the HCM 2010, allowing you to assess the overall transportation experience from the user's perspective. The roundabout methodology includes an updated capacity model, following new FHWA-sponsored research.

Synchro 10’s user interface has been updated to include convenient ribbon bar controls.
Product Features & Capabilities

Synchro Studio is a robust, easy-to-use traffic signal timing application that helps traffic engineers and transportation planners design, model, optimize, simulate, and animate signalized and unsignalized intersections (including roundabouts).

Synchro Studio provides premier applications for traffic analysis, optimization, and simulation. The package combines the modeling capabilities of Synchro signal timing & analysis software, the micro-simulation and animation capabilities of our SimTraffic software, and our three-dimensional viewer, creating the ultimate tool kit for any traffic engineer.

**Synchro Studio includes the following:**
- **Synchro**
  Design, model, and optimize traffic signal infrastructure.
- **SimTraffic**
  Simulate real-world vehicular and pedestrian traffic scenarios.
- **3D Viewer**
  Convert two dimensional modes from SimTraffic to a 3D Viewer application.

**Supplemental modules:**
- **Warrants**
  Evaluate a network of intersections according to the Manual on Uniform Traffic Control Devices (MUTCD) standards and guidelines for signalization.
- **TripGen**
  Calculate the expected number of trips based on data from the Institute of Transportation Engineer’s (ITE) Trip Generation Manual.

**Why do traffic agencies and consultants use Synchro Studio?**
- Over twenty years of industry use, ensuring the product is tested and proven.
- Provides users with a powerful microsimulation tool.
- Pays for itself after your first traffic signal or traffic analysis project.
- Ease-of-use and adoptability, allowing engineers to analyze traffic operations in days versus weeks.
- Implements the Intersection Capacity Utilization (ICU) Method.