

Traffic and Intelligent Transportation Systems Overview Course

- **Understanding Traffic Terms and Concepts**
Actuation/Fixed-Time, Cycle, Interval, Phase, Overlap, Ring/Single/Dual, Barrier, Concurrent Groups, Priority Groups, Coordination/Offset, Splits, Preemption/Railroad & Emergency Vehicle, Signal Priority, more...
- **Detection**
Types, settings, placement, loop configurations.
- **Signalization**
Common configurations, Dallas Phasing (yellow trap avoidance)
- **Cabinets and Controllers**
170, NEMA, and ATC Equipment
- **Systems**
Types of Systems, Adaptive Control, Migration Strategies
- **Communications**
NTCIP – Defined, how it works, how to specify, test, etc.
- **Additional Topics**
Customized based on course needs. Systems Engineering/Project Development, Texas Diamond, Emergency Vehicle Preemption/Priority, Detailed Standards Review, more...