



**Traffic Signal Equipment: Basics of the Type 170 Traffic Controller (TE-08)**  
**COURSE OUTLINE**

Day 1

- Welcome – Introduction – Logistics – Overview of Notes
- Controller, Cabinets, Peripheral equipment
- Hands On: Front Panel Displays and Keypad, Initialization
- Lunch
- Hands on: BI Tran 233 Firmware – Phase times and functions
- Hands on: BI Tran 233 Firmware – Phase sequencing, Detectors
- Hands on: McCain QuicLoad laptop program
- Hands on: BI Tran 233 Firmware – Coordination

Day 2

- Re-cap Day 1, Answer questions
- Hands on: BI Tran 233 Firmware – Preemption and Priority
- Hands on: BI Tran 233 Firmware – Overlaps, Input/Output
- Lunch
- Hands on: BI Tran 233 Firmware – Time Base Coordination, Time of Day Functions
- Practical Applications
- Maintenance and Troubleshooting
- Recap, Questions, Evaluations