



2010 Intelligent Transportation System Design Course (BETA)

Course Information

Dates: December 8-9, 2010

Location: Hiway Federal Credit Union – Community Room
840 Westminster St.
St Paul, MN 55130

Purpose: This is the first (beta) ITS course open to individuals with a cross-section of backgrounds on ITS. Future classes will be one (1) day. The instructor will present or summarize each section of material as proposed for future classes. At the end of each section, the beta group will be asked to provide feedback on the topic. These comments will be incorporated in the future sessions.

Agenda

Day 1: December 8, 2010

Time	Topic	Comments
8:00 – 8:15	Registration	
8:15 – 8:45	Introduction	Housekeeping, attendee Intros, what is ITS, Purpose and Scope of Manual, Manual References
8:45 – 9:00	Definitions	Summary of Common Terms used in ITS
9:00 – 9:15	Group Discussion	Beta Course Only: Discussion and Suggestions for Introduction and Definition Sections
9:15 – 9:30	Break	
9:30 – 10:45	Common ITS Projects	Discussion of common, or typical ITS projects leading to the future discussion of Components and Plan Development
10:45 – 11:30	Group Discussion	Beta Course Only: Discussion and Suggestions for Common ITS Projects section
11:30 – 12:15	Lunch	
12:15 – 1:15	ITS Warrants	Review of Current ITS Warrants (summarized, not detailed discussion)
1:15 – 1:45	Group Discussion	Beta Course Only: Discussion and Suggestions for Warrants Section
1:45 – 2:00	Break	
2:00 – 3:00	Systems Engineering Process	Review of the Systems Engineering Process
3:00-3:30	Group Discussion	Beta Course Only: Discussion and Suggestions for Systems Engineering Process Section
3:30	Adjourn	



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Day 2: December 9, 2010

Time	Topic	Comments
8:00 – 9:00	ITS Components	Common components used in ITS Projects, including, but not limited to: Detection, IRIS, CCTV, DMS, Ramp Meters, RWIS, Dynamic Warning Flashers, HAR, Cabinets, Power, Communications, New Technologies, Experimental Technologies
9:00 – 9:30	Group Discussion	Beta Course Only: Discussion and Suggestions for ITS Components Section
9:30 – 9:45	Break	
9:45 – 11:30	System Design	Checklist, component placement, cables, sizing, lessons learned
11:30 – 12:00	Group Discussion	Beta Course Only: Discussion and Suggestions for System Design Section
12:00 – 12:45	Lunch	
12:45 – 1:30	Plan Development	Required Sheets, sample plans
1:30 – 2:00	Group Discussion	Beta Course Only: Discussion and Suggestions for Plan Development Section
2:00 – 2:15	Break	
2:15 – 3:00	Standard and Special Provisions	Summary of Special Provisions
3:00 – 3:30	Group Discussion	Beta Course Only: Discussion and Suggestions for Standard and Special Provisions section Final Comments
3:30	Adjourn	

Providing Feedback

Attendees will be asked to provide feedback on the topics discussed. This will be done in a group discussion immediately following the topic (see the agenda above). The course facilitator will gather these notes for future versions of the Manual and course development.

Additional comments can also be sent to the development team by visiting the following website, www.albeckinc.com/ITS_Beta.html or by emailing jalbeck@albeckinc.com.

Notes

Thank you for your willingness to participate in the beta ITS Design Course. Your suggestions are greatly appreciated and will be vital to the development of future ITS Design Manuals and courses. This Manual will become part of the long standing tradition of exceptional Mn/DOT training manuals.

The manual will be updated and posted at the following website, www.albeckinc.com/MnDOT/2010 ITS_Design/2010 ITS_Manual.pdf. This Manual will ultimately be housed on the Mn/DOT Publications site at, www.dot.state.mn.us/trafficeng/publ/index.html.