

Concrete Pipe & Box Culvert Design Seminar Schedule



Tuesday, April 30th

- 12:30 PM Registration and Introductions
- 1:00 PM Precast Concrete Pipe Design (Margarita Takou)
 The Direct Design Method
 Loads
 Load Factors/Load Modifiers/Process Factors
 Flexure Design
 Required Steel Area
 Compression
 Radial Tension
 Crack Control
 Diagonal Tension
- 2:30 PM Break
- 3:00 PM The Use of Eriksson Pipe Software (Brian Barngrover)
 Design for the Installed Condition
 Review of input and input screens
 Interpreting the output
 Three-Edge Bearing Design
 Review of the input options
 Interpreting the output
 Understanding the Output
 Analysis Option
 Review of Input Screens
 Understanding the Output
- 4:00 PM Discussion/Examples

Wednesday, May 1st

- 8:00 AM Any Review Questions from the Previous Day
- 9:00 AM Precast Box Culvert Design (Josh Beakley)
 Review of the AASHTO LRFD Code
 Loads
 Load Factors/Load Modifiers/Process Factors
 Design
 Flexure
 Crack Control
 Shear

Concrete Pipe & Box Culvert Design Seminar Schedule



10:30 AM	Break
11:00 AM	Precast Box Culvert Design (cont.) <ul style="list-style-type: none">Load RatingReview of the AASHTO MBELoad Factors
Noon	Lunch (Provided)
1:00 PM	The Use of Eriksson Culvert Software (Brian Barngrover) <ul style="list-style-type: none">Design Option<ul style="list-style-type: none">Review of Input ScreensUnderstanding the OutputAnalysis Option<ul style="list-style-type: none">Review of Input ScreensUnderstanding the Output
2:00 PM	Discussion/Examples
3:00 PM	End of Seminar

Please Note: The individual times listed on the agenda are for informational purposes and depending upon the interaction and discussion of the attendees, the actual times may vary slightly. However, the seminar will end promptly at 3:00 pm so attendees may make their travel arrangements accordingly. The instructors will remain after the class for anyone who may still have individual questions/concerns that were not addressed during the seminar.