

**Refined Analysis for Bridge Structures
Workshop Agenda for MODOT
June 28-30, 2022**

Tuesday (6/28) 8:00 am – noon (CDT)

- 08:00 Welcoming remarks by instructors & host agency
- 08:10 Lesson 0 - Introduction
- 09:00 Lesson 1 - Fundamentals of Finite Element Analysis (FEA) & Modeling (Part 1)
- 10:15 Short break
- 10:30 Lesson 1 - Fundamentals of Finite Element Analysis (FEA) & Modeling (Part 2)
- Q & A
- 12:00 Adjourn

Wednesday (6/29) 8:00 am – noon (CDT)

- 08:00 Lesson 2 - General Girder Bridge Modeling
- 09:30 Short break
- 09:40 Lesson 3 - Modeling Special Topics
- 10:40 Lesson 4 - Load Applications w/FEA software demo
- Q & A
- 12:00 Adjourn

Thursday (6/30) 8:00 am – noon (CDT)

- 08:00 Lesson 5 - Problem set-up and analysis procedures using P/S girder bridge example
- 09:30 Short break
- 09:40 Lesson 6 - Verification/Validation of results
- 10:40 Analysis to Design w/FEA software demo
- 11:40 Course closeout
- Q & A/Course Evaluation
- Closing remarks by host agency
- 12:00 Adjourn