Lesson Plan # 6:  
Bending Member Analysis – Flexural Strength - Part 1

Topics:
- Plastic Moment Capacity
- Cross-Section Properties, Including the Plastic Section Modulus
- Local Buckling

Learning Objectives:
- Students will be able to quantify the flexural strength of continuously-laterally-supported (CLS) bending members.

Textbook Sections:  5.1 – 5.7

Suggested Problems:  5.2-2, 5.2-4, 5.4-1, 5.4-2, 5.4-3, 5.5-1, 5.5-3, 5.5-5

Required Problems:
1. Problem 5.2-1 of Segui
2. Problem 5.2-3 of Segui
3. Problem 5.5-2 (a) of Segui
4. Problem 5.5-4 (a) of Segui
5. Problem 5.5-4 (a) of Segui, but investigate the adequacy of a W12x65.