General Notes:

1. All member and connection design is to be in accordance with the latest version of the American Institute of Steel Construction (AISC) Specification for Structural Steel Buildings and the AISC Specification for Structural Joints using ASTM A325 or A490 bolts as found in the AISC Steel Construction Manual (SCM).

2. All steel is the preferred type for each shape as indicated in the Steel Construction Manual unless otherwise noted or specified in problem statements.

3. All bolts are 3/4" dia. A325-N unless otherwise noted or specified in problem statements.

4. Concrete 28-day strength, f'c, is 4,000 psi.

5. The drawings presented here are schematic in nature. Actual member and bolt types and sizes and connection configurations are subject to change during problem completion.

6. These drawings are intended for use in teaching structural steel design and are not intended for actual construction.

Sheet Index:

S1 Isometric
S2 Plan, Profile, & Section
S3-S7 Connection Details

A Beginner's Guide to Structural Engineering

Peters Creek Bridge

Old Glenn Hwy, Chugiak, Alaska

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