PIER DESIGN CRITERIA

1. Controlling AASHTO Load Combination – (pick one) Strength, Service, Extreme

Event, Fatigue Limit State.

2. Buoyancy: Water level assumed at EL. XX.

3. Stream flow: Velocity of XX fps skewed at XX° to longitudinal centerline of

pier.

4. Wind: XX mph or XX ksf.

5. Ice: Thickness X feet, pressure XX ksf at EL. XX, 30% of nose force applied

transverse to pier.