**Welcome & Introduction** (10 min)

* About the instructor
* Lean defined
* 8 wastes

**Common Project Problems** (5 min)

* Schedule uncertainty
* Site congestion (productivity & safety)
* Manpower inconsistencies
* Cost uncertainty
* Every trade for himself (marching to different drums)
* Material, tool management

**Lean Innovation** (5 min)

* Continuous improvement (wedge)
* Innovation
* Identify & remove waste
* Create flow

**Flow – Train of Trades**

* Overview (Lean 101 & LCEP slides) (15 min)
  + Six key steps (Trestle)
* By the numbers (the math) (10 min)
  + Results: Consistent manpower/crews, productivity, safety, schedule

**Supporting concepts (TPS House)** (15 min)

* Just-in-time delivery
* Standardized work (work packages with Takt time)
* Leveling (but no stacking)
* Stop to fix problems (Gemba, daily huddles)
* Zero defects & housekeeping (everything on wheels)
* Visual control (lean boards)
* Upper management commitment (from GC, subs, suppliers)
* Samples & details (LCEP slides)

**Monitoring & Tracking Progress**

* WWP (5 min)
* PPC (10 min)
* Templates (10 min)

**Conclusion** (5 min)

* Purpose & improvements gained
* Examples (Facebook)
* Questions