OUTLINE

1. **Introduction**
   a. The WHY
   b. Team Members
   c. Plan Topics and over-all objectives

2. **Causes of NDT Anomaly Readings**
   a. Typical Causes
   b. How to mitigate pre-bid for typical Causes

3. **Non-Destructive Testing**
   a. CSL, GGL, TIP:
      i. Use 2-methods when possible to verify.
   b. Bottom Inspection Devices
      i. SID/Mini-SID
      ii. SQUID
      iii. DID
   c. Verticality Inspection Devices
      i. Sonic Caliper
      ii. SHAFT

4. **Concrete Mix Designs**
   a. Mix design ingredients
   b. Requirements for a corrosive environment including difficulties.
   c. Mass Concrete requirements including difficulties
   d. Dry Concrete Mixes
   e. Rebar spacing and minimum concrete cover requirements and how they affect concrete flow.
   f. Use of mechanical clips for cage stability
   g. Couplers vs Lap Splices

5. **Placing Concrete**
   a. Review rebar spacing and minimum cover requirements
   b. NDT Tube protection
   c. 5” tube connected to Concrete Pump versus 10” Gravity Feed.
   d. Definition of a Dry Shaft.

6. **Pile Mitigation**
   a. Is repair required?
      i. Consider Anomaly deduct calculations.
   b. Not all anomalies are defects
   c. Review all documents, not just NDT results.
   d. ADSC-IAFD Mitigation Plan

7. **Summary/ Conclusions**
   a. NDT Recommendations
   b. Concrete Mix Designs