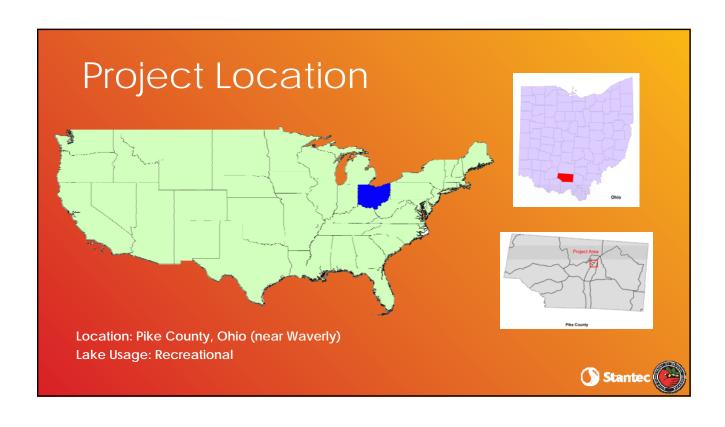
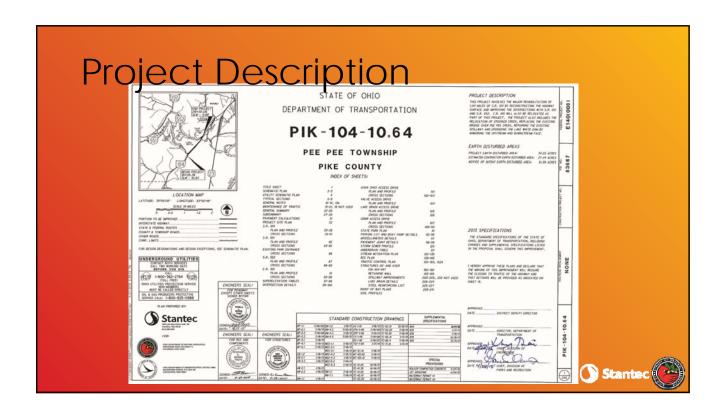


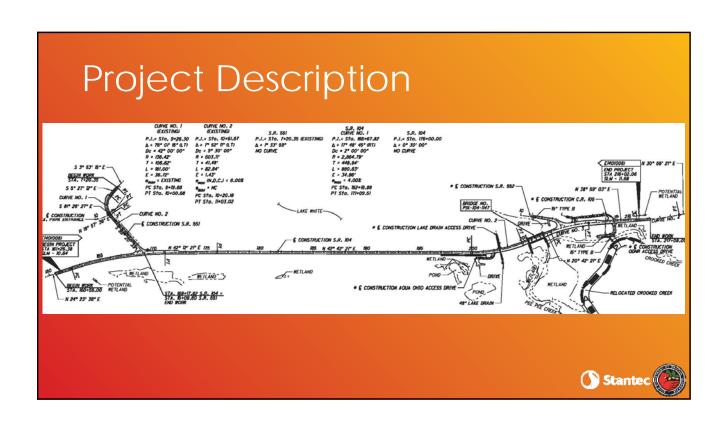
### **Presentation Topics**

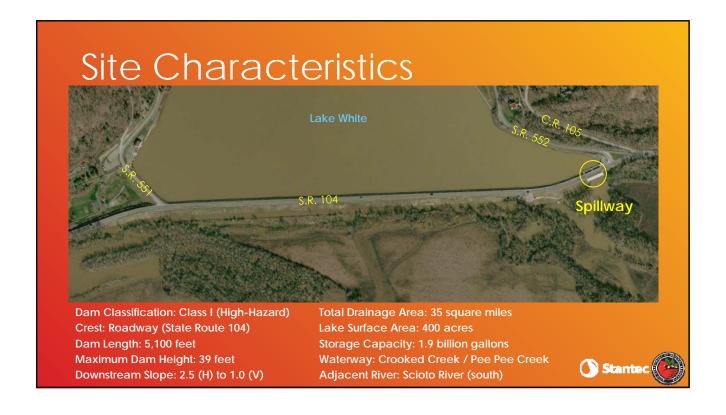
- 1. Project Description
- 2. Site Introduction / Characteristics
- 3. Seepage Challenges
- 4. Dam-Related Improvements Overview
- 5. Spillway Improvements
- 6. Road Widening / Dam Armoring
- 7. Construction Update











### Site Characteristics



#### <u>Spillway Info</u>

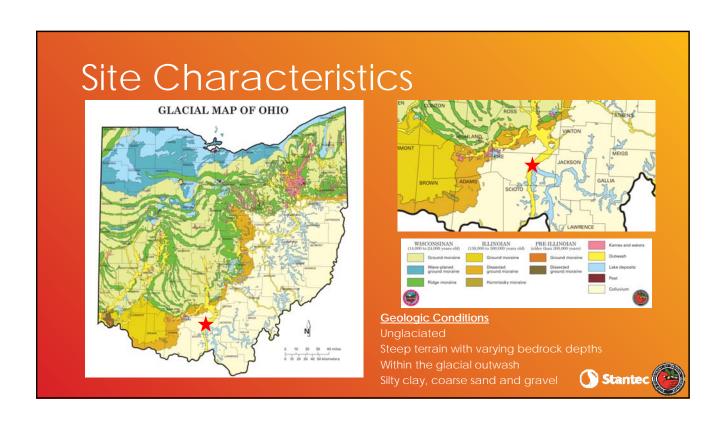
Width: 140 feet Height: 16 feet

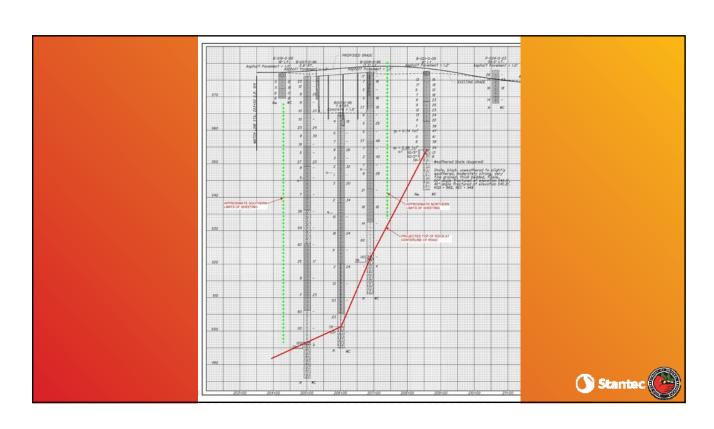
Type: Stair-stepped concrete structure Control: Remote operated hydraulic gate

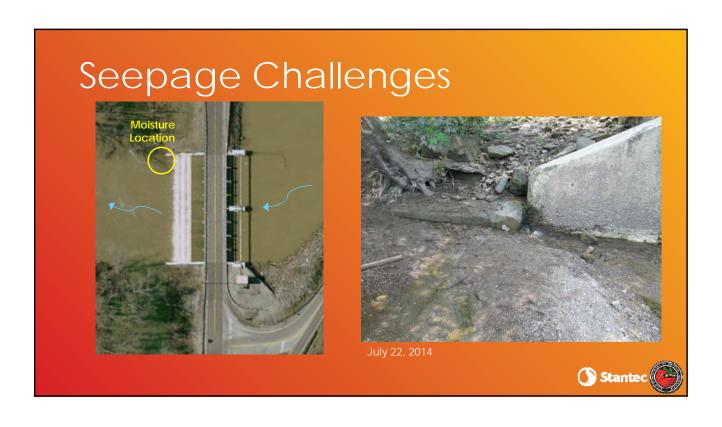




# 2006 Overtopping Event Stanfoc Stanfoc

















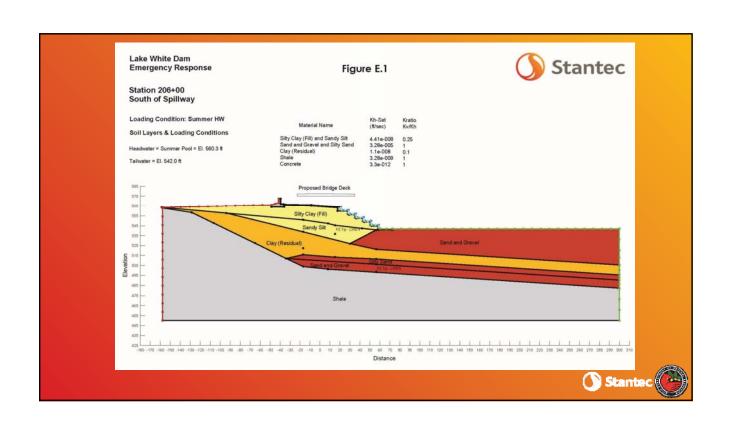
### Seepage Challenges

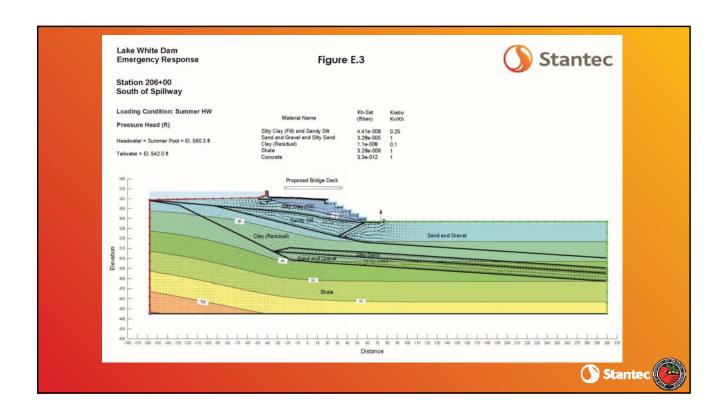


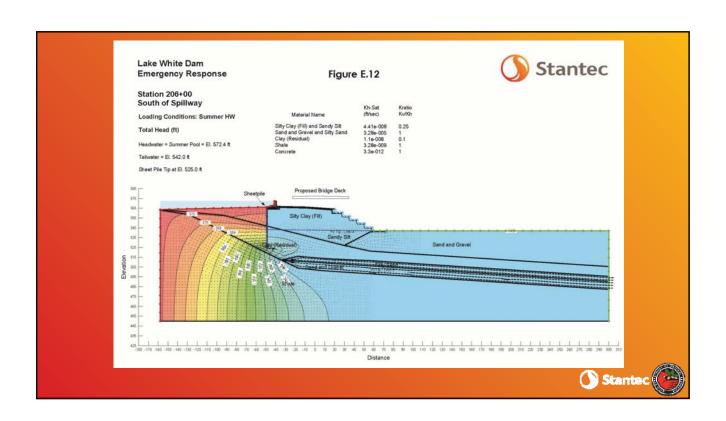
- Round the clock observations and monitoring complete.
- Roadway reopened to traffic
- Seepage area protected.
- Pool level lowered.
- Siphons installed and ready for operation.
- Design of long-term repairs in the works

September 17, 2014





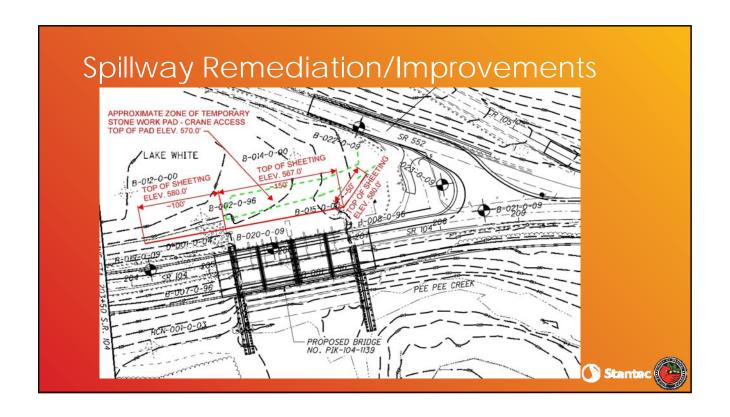


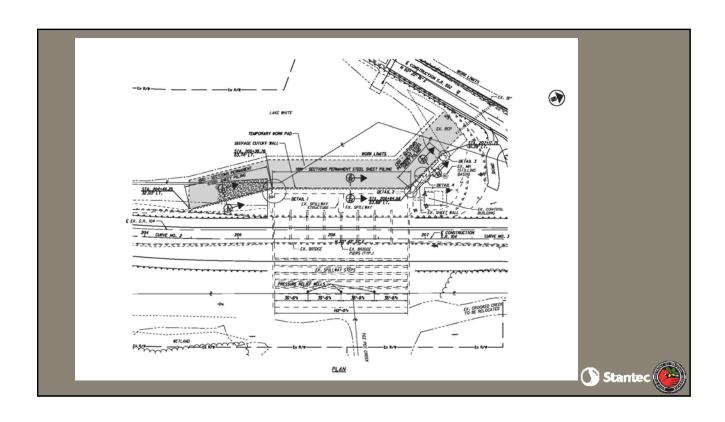


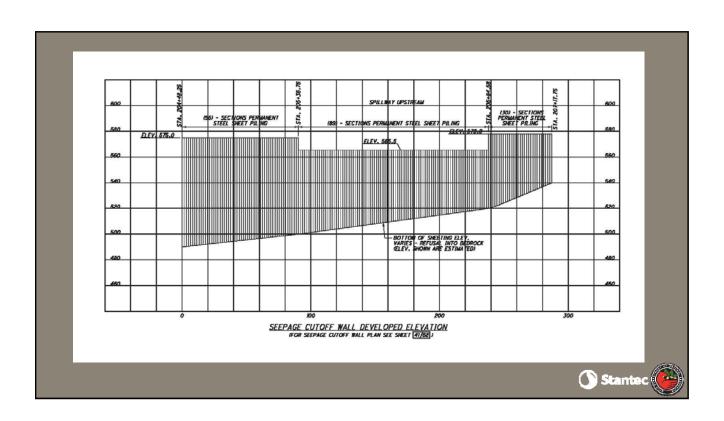
### Dam-Related Improvements Overview

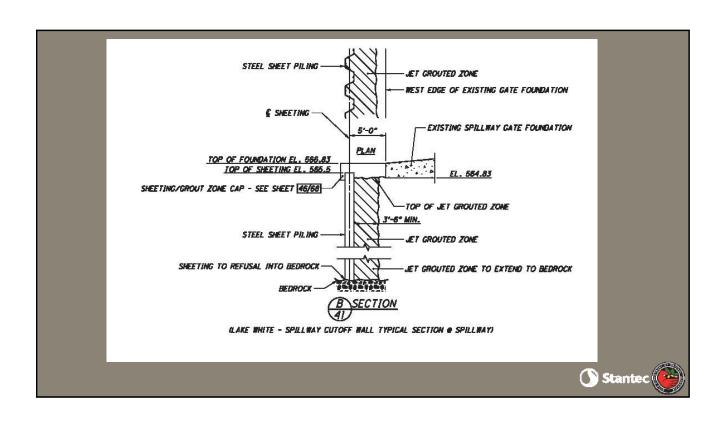
- Spillway Remediation/Improvements
  - Upstream Cutoff Wall System sheeting & jet grouting
  - Flowable Fill Enhanced With Bentonite
  - Spillway Toe Relief Wells
- Dam Widening / Armoring
- Install Lake Drain













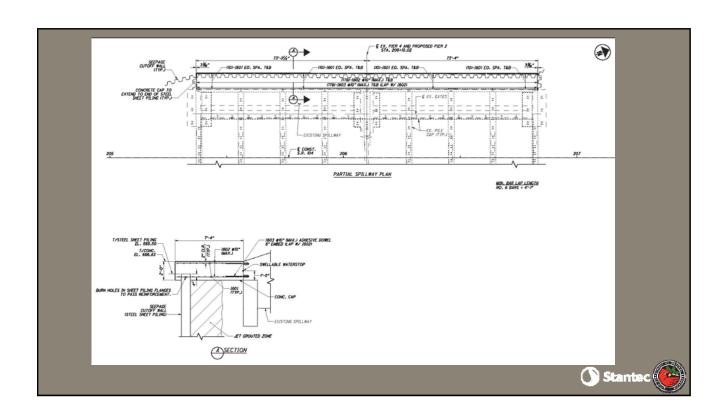






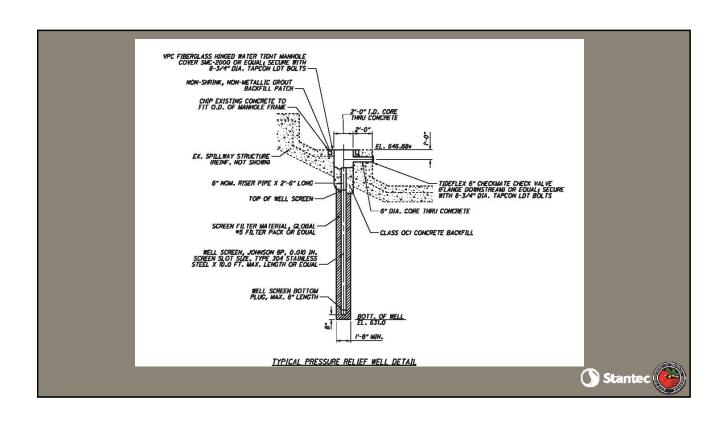












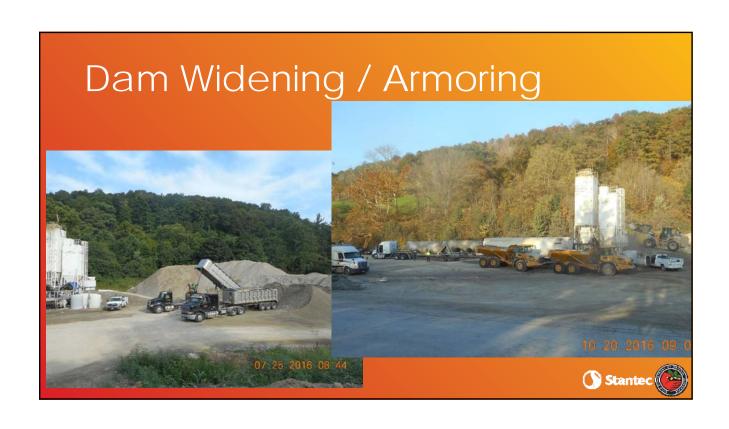


















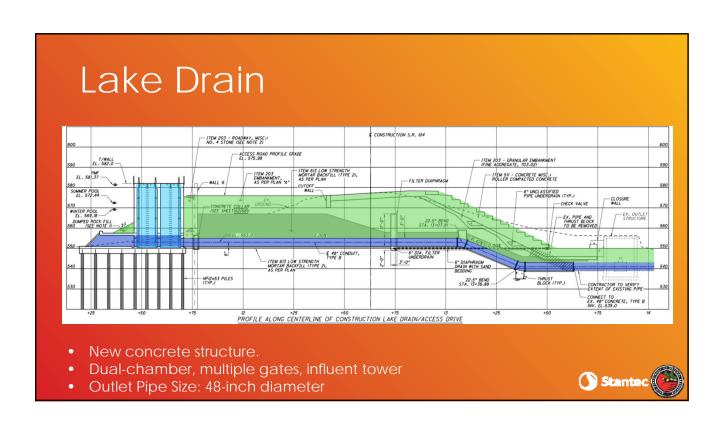


















## Thank You! OUESTIONS?

