

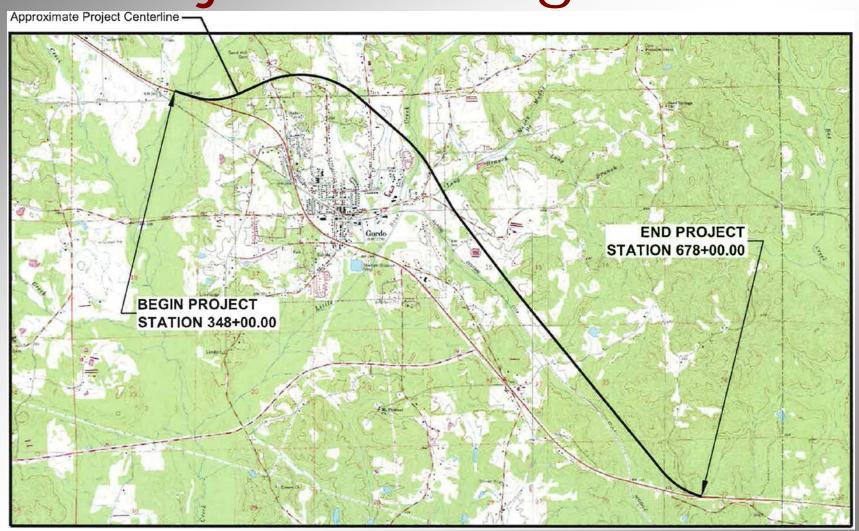
Soft Soils and their Effects on Bridge Projects Case Studies Frank Upchurch, P.E.

Principal Engineer





Project Background







Bridge?



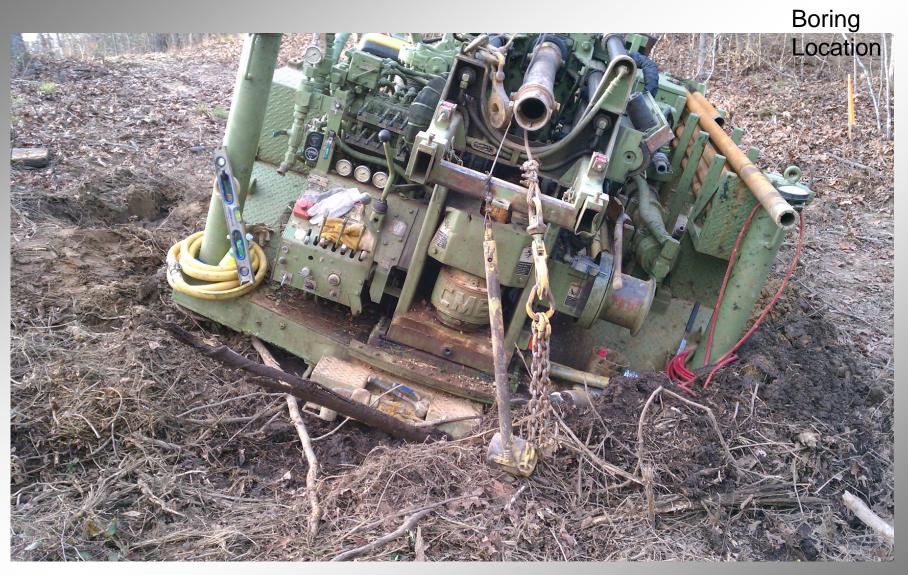






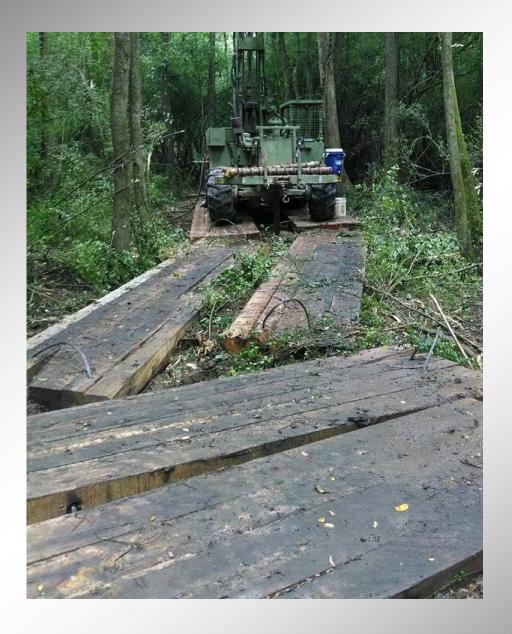
TTL







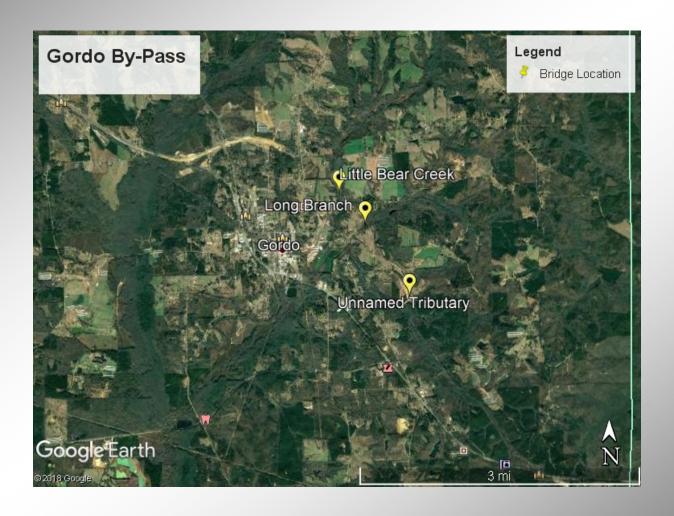




TTL



Bridge Locations







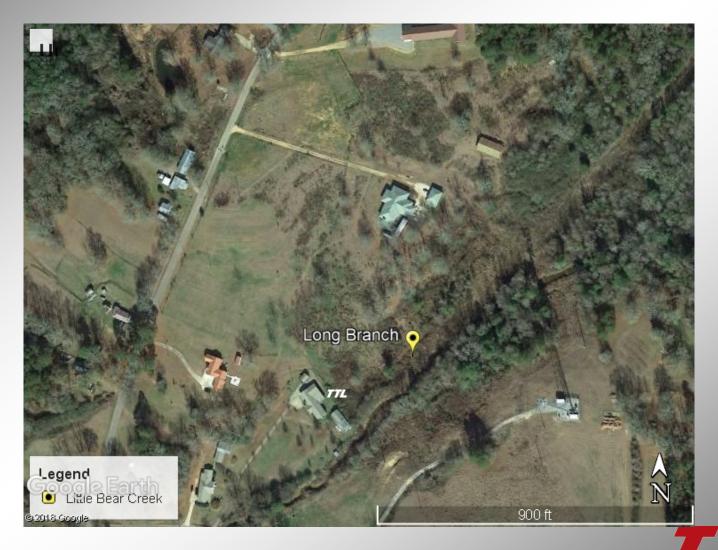
Little Bear







Long Branch





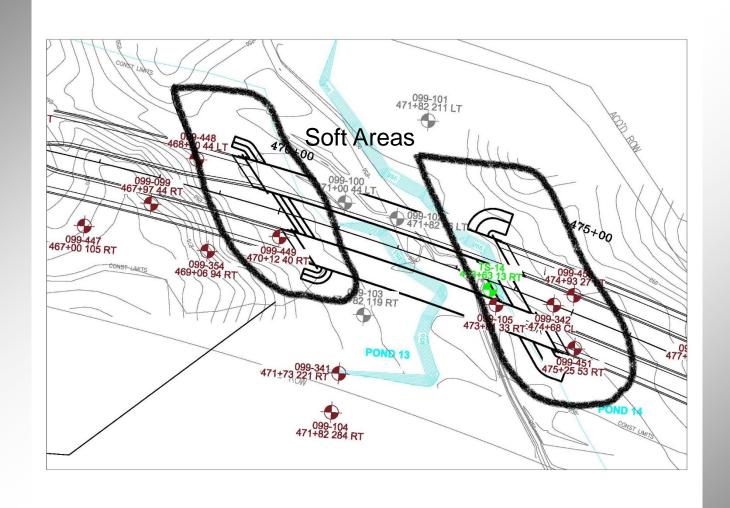
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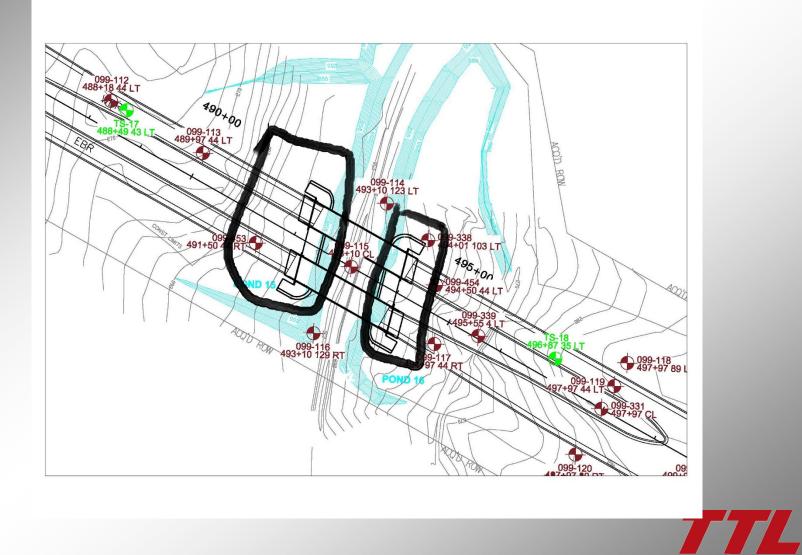
Little Bear





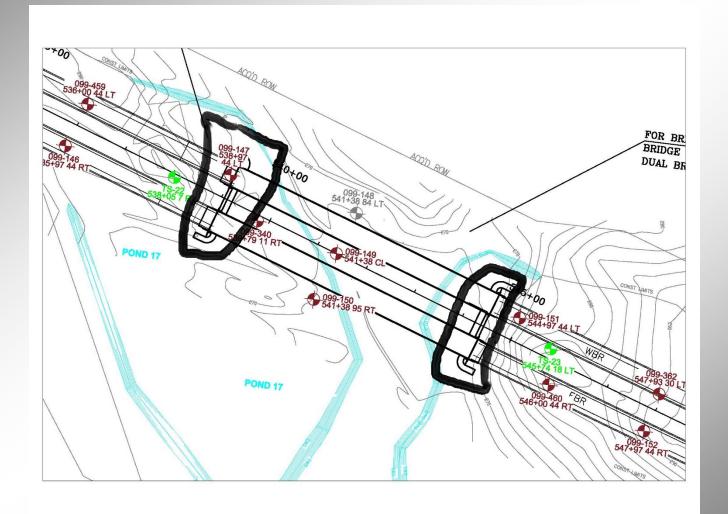


Long Branch





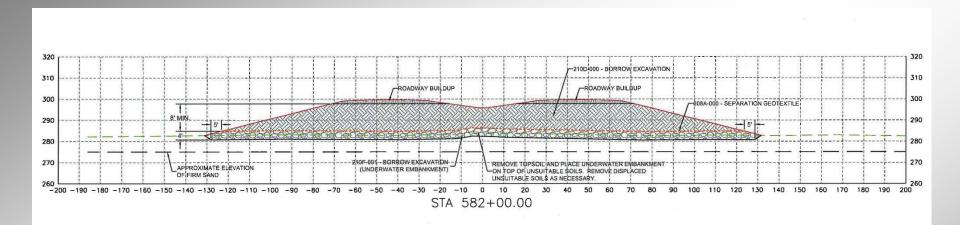
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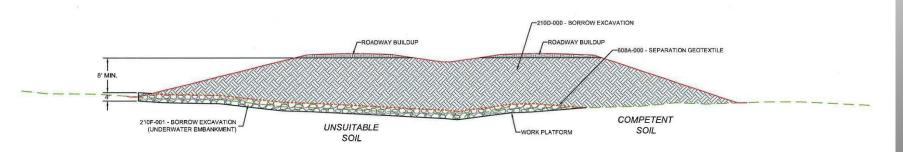






Work Platform



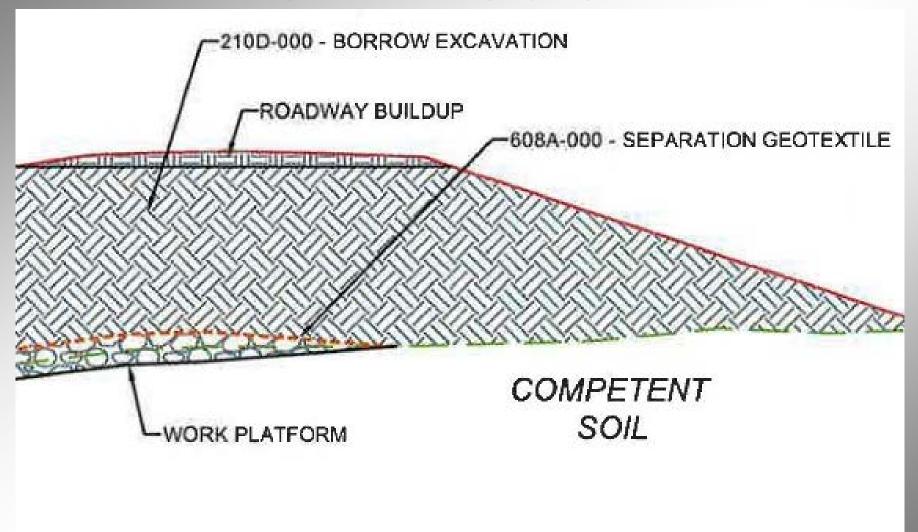


WORK PLATFORM STABILIZATION TYPICAL





Work Platform







Work Platform

- Remove Stumps and topsoil
- Walk Underwater Embankment into soft area to create a stable work area
- Choke underwater embankment with fines
- Install geotextile separation fabric
- Construct the remaining fill using A-4 of better material
- Allow soft soils to settle
- Complete construction











Work Platform at Bridges

- Use No. 2 stone instead of Underwater Embankment at abutments
- Install settlement plates
- Install foundation elements



