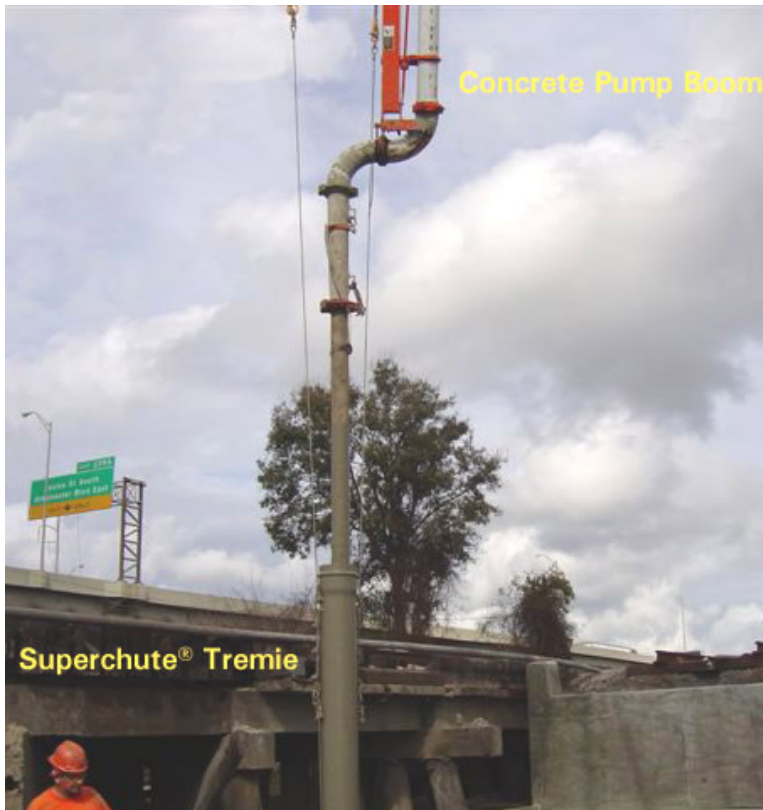


## How to place concrete in a water filled form



1. In this case, the form is a hollow steel piling that has been driven 80 feet below grade.
2. Use an auger to remove earthen material from inside the piling to a depth of 70 feet.
3. The piling will fill with sub-surface water.
4. Install a wire reinforcing cage.
5. Lower the tremie 70 feet into the piling.
6. The tremie is open ended, so it will also fill with water.
7. Place a soccer ball in the top of the tremie.
8. Pump concrete into the tremie.
9. The descending ball will prevent the concrete from mixing with the water.
10. The ball will exit the bottom of the tremie and shoot to the surface.
11. As concrete exits the tremie, the piling will start to fill with concrete.
12. Water displaced by the concrete will gush out the top of the piling.
13. The tremie is slowly raised so that the lower end of the tremie always stays in the concrete mass.



Pictures courtesy of Fenton Rigging & Contracting, Cincinnati, OH

