

Civil Engineering Support

Experience:

City of Chicago Public Works
 Tarbela Dam Civil Design
 Bath County, VA Hydroelectric Power

Highlights:

Civil Design Support
 Project Management

Lemongrass Consulting has experienced civil engineers and can provide civil engineering support. Civil engineering support includes project support:

- Construction project management
- Preparation of project schedules
- Handling changes orders and related cost estimates
- DBE Compliance

Clovia Hamilton leads the Lemongrass Consulting team. Clovia interned with Harza Engineering and assisted with the Tarbela Dam (Pakistan) civil engineering design plans.



- Analyzed the stability of the Dam's plunge pool spillway chute walls using Rankine formulas.
- Investigated scouring via chemical analyses.
- Revised access road layouts
- Prepared plots for four years of accumulated piezometric data
- Checked the powerhouse reinforcement for proper clear cover and splice lengths.



Clovia assisted Harza with project management services for the 2100 MW, \$1.7Billion Bath County, Virginia Hydroelectric Pump Storage project. This

was the largest pumped storage project in the world.



Clovia also served as a construction manager on the City of Chicago Skyway Bridge Rehab work!