

Concrete Construction Troubleshooting

CTLGroup provides solutions to the complex challenges to building contractors around the globe. Contractors value our ability to provide a multi-disciplinary approach to their problems. Our engineering and materials science expertise is complemented by one of the largest and most comprehensive private testing laboratories in the world. Our experts can address problems from both materials and structural perspectives to deliver integrated solutions in every phase of the construction and maintenance life-cycle.

CTLGroup works with most of the nation's leading construction contractors to help them with:

- Increased efficiency
- Competitive bidding
- Time and money savings
- Value engineering
- Troubleshooting
- Adjacent construction risk management
- Claims and litigation support

Pre-bid Assistance and Post-award Planning

- Work with estimators pre-bid to understand time and cost implications of non-standard requirements; e/g/: mass concrete issues, concrete shrinkage control, etc.

- Work with central engineering staff to get advantageous specification changes or to reduce associated risks
- Find ways to save time and money during construction
- Concrete, rebar, installation

Concrete Mixture Design + Development

- Review, change, and select appropriate concrete mix designs; e.g.: most readymix suppliers provide mixes in their best interest, not yours
- Evaluate low strength issues
- Evaluate placement and “finishability” issues
- Help avoid jobsite admixture issues; e.g.: rapid slump loss, etc.
- Select mix designs to minimize floor moisture and cracking issues

Mass Concrete

- Provide thermal modeling to create thermal plans to prevent cracking and internal damage
- Engineering up-front can reduce efforts during and after placement of concrete
- Custom concrete mixture design development

