

# Brian Szczerowski

Technical Specialist & Concrete Laboratory Supervisor

Brian Szczerowski is a vastly experienced Technical Specialist, Project Manager, and Concrete Laboratory Supervisor at CTLGroup, with over 20 years' experience in the construction industry. At CTLGroup, Brian is responsible for overseeing the operations of the concrete lab and physical testing, where he conducts mix development and materials testing procedures according to ASTM standards.

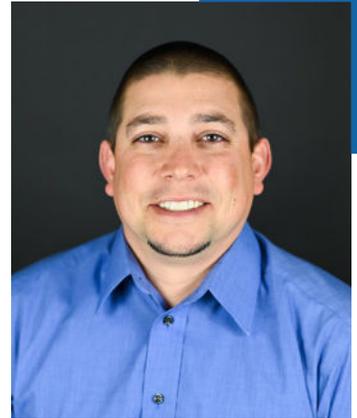
His expertise in evaluating materials such as concrete, mortar, aggregate, epoxy, and other specialized products ensures they meet the appropriate standards for use in the construction industry. With many certifications in laboratory, field testing, and safety Brian is committed to staying current with the latest industry standards and practices.

## Relevant Experience

### STADIUM® Concrete Materials Property Testing

#### ASTM and AASHTO Standard Test Methods

- **ASTM C29/C29M, AASHTO T19/T19M** - Bulk Density ("Unit Weight") and Voids in Concrete
- **ASTM C31/C31M, AASHTO T23** - Making and Curing Concrete Test Specimens in Field
- **ASTM C39, AASHTO T22** - Compressive Strength of Cylindrical Concrete Specimens
- **ASTM C40, AASHTO T21** - Organic Impurities in Fine Aggregates for Concrete
- **ASTM C42** - Obtaining and Testing Drilled Cores and Sawed Beams
- **ASTM C67** - Test Methods for Sampling and Testing Brick and Structural Clay
- **ASTM C78, AASHTO T97** - Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)
- **ASTM C87** - Effect of Organic Impurities in Fine Aggregate on Strength of Mortar; Aggregate Sample Preparation
- **ASTM C88, AASHTO T104** - Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
- **ASTM C109** - Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- **ASTM C117, AASHTO T11** - Materials Finer than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing
- **ASTM C123, AASHTO T113** - Lightweight Particles in Aggregate
- **ASTM C127, AASHTO T85** - Density, Relative Density (Specific Gravity) and Absorption of Coarse Aggregate
- **ASTM C128, AASHTO T84** - Density, Relative Density (Specific Gravity) and Absorption of Fine Aggregate
- **ASTM C131, AASHTO T96** - Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
- **ASTM C136, AASHTO T27** - Sieve Analysis of Fine and Coarse Aggregates



#### Academic Credentials

AAS, World Center for Concrete Technology Program  
Alpena Community College, 2004

General Courses  
Saginaw Valley State University, 2001

#### Licensure / Certification

ACI Certified Concrete Masonry Testing Technician

ACI Concrete Laboratory Testing Technician - Grade II (CLTT)

ACI Laboratory Aggregate Testing Technician (LATT)

ACI Concrete Strength Testing Technician (CSTT)

ACI Concrete Field-Testing Technician

OSHA 30-Hour Safety Training

Cast Stone Testing Certification

OSHA 10-Hour Safety Training

MCA Level I - MCA

MCA Level II - MCA

ACI Self-Consolidating Concrete Technician

#### Contact Information

(847) 972-3340  
BSzczerowski@CTLGroup.com

# Brian Szczerowski

Technical Specialist & Concrete Laboratory Supervisor

- **ASTM C138/C138M, AASHTO T121M/T121** - Density (Unit Weight), Yield and Air Content (Gravimetric) of Concrete
- **ASTM C142, AASHTO T112** - Clay Lumps and Friable Particles in Aggregates
- **ASTM C143, AASHTO T119M/T119** - Slump of Hydraulic Cement Concrete
- **ASTM C172, AASHTO T141** - Sampling Freshly Mixed Concrete
- **ASTM C157** - Length Change of Hardened Hydraulic-Cement Mortar and Concrete: Sample Preparation and Comparator Readings
- **ASTM C172, AASHTO T141** - Sampling Freshly Mixed Concrete
- **ASTM C173, AASHTO T196M/T196** - Air Content of Freshly Mixed Concrete by Volumetric Method
- **ASTM C192/C192M** - Making and Curing Concrete Test Specimens in the Laboratory
- **ASTM C215** - Fundamental Transverse, Longitudinal, and Torsional Frequencies of Concrete Specimens
- **ASTM C227** - Potential Alkali Reactivity of Cement-Aggregate Combinations (Mortar-Bar Method); Aggregate Sample Preparation and Comparator Readings
- **ASTM C231, AASHTO T152** - Air Content of Freshly Mixed Concrete by Pressure Method
- **ASTM C232, AASHTO T158** - Bleeding of Concrete
- **ASTM C293** - Flexural Strength of Concrete (using Simple Beam with Center-Point Loading)
- **ASTM C295** - Guide for Petrographic Examination of Aggregates for Concrete; Sample Preparation
- **ASTM C341** - Length Change of Cast, Drilled, or Sawed Specimens of Hydraulic-Cement Mortar and Concrete: Sample Preparation and Comparator Readings
- **ASTM C403, AASHTO T197M/T197** - Time of Setting of Concrete Mixtures by Penetration Resistance
- **ASTM C441** - Effectiveness of Pozzolans or Ground Blast Furnace Slag in Preventing Excessive Expansion of Concrete Due to Alkali Silica Reaction; Sample Preparation & Comparator Readings
- **ASTM C452** - Potential Expansion of Portland Cement Mortars Exposed to Sulfate: Comparator Readings
- **ASTM C469** - Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression
- **ASTM C496/C496M** - Splitting Tensile Strength of Cylindrical Concrete Specimens
- **ASTM C512** - Creep of Concrete in Compression
- **ASTM C531** - Linear Shrinkage and Coefficient of Thermal Expansion of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes
- **ASTM C535** - Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
- **ASTM C596** - Drying Shrinkage of Mortar Containing Hydraulic Cement
- **ASTM C617, AASHTO T231** - Capping Cylindrical Concrete Specimens
- **ASTM C666** - Resistance of Concrete to Rapid Freezing and Thawing
- **ASTM C672** - Scaling Resistance of Concrete Surfaces Exposed to Deicing Chemicals
- **ASTM C1012** - Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution; Comparator Readings

# Brian Szczerowski

Technical Specialist & Concrete Laboratory Supervisor

- **ASTM C1038** - Expansion of Hydraulic Cement Mortar Bars Stored in Water; Comparator Readings
- **ASTM C1064, AASHTO T399M/T309** - Temperature of Freshly Mixed Hydraulic Cement
- **ASTM C1105** - Length Change of Concrete Due to Alkali-Carbonate Rock Reaction; Comparator Readings
- **ASTM C1231** - Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders
- **ASTM C1260, AASHTO T303** - Potential Alkali Reactivity of Aggregates (Mortar Bar Method); Sample Preparation
- **ASTM C1293** - Determination of Length Change of Concrete Due to Alkali Silica Reaction; Sample Preparation and Comparator Readings
- **ASTM C1567** - Determining the Potential Alkali Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar Bar Method); Sample Preparation and Comparator Readings