



EDUCATION

Associates, Applied Science in Concrete Technology
Alpena Community College, 1998

CERTIFICATIONS

ACI Level I Concrete Field Testing Technician

ACI and MCA Level I Concrete Laboratory Testing Technician

ACI Concrete Strength Testing Technician

MCA Level II Advanced Concrete Technician

ACI Level I Aggregate Testing Technician

TCG is a Stadium® and ASSHTO Certified Laboratory

Joe performs all aspects of laboratory services and testing, including most concrete testing, in plastic and hardened states. He provides all data generated by the various tests.

Joe is involved in the certification process for ASTM, ASHTO and CCRL, assisting in the process so all specifications are met. He provides assistance in training lab personnel and oversees personnel in the lab.

His background is in the ready-mix industry, affording him the opportunity to understand concrete testing from the perspective of both owner and client. Joe is well respected in his field of work and his clients rely on his expertise for accurate testing results.

PROJECT EXPERIENCE

Transport Properties of Lightweight Concrete

Coordinated an evaluation of ten expand shale, clay, and slate, coarse and fine aggregates from across the United States. The focus was on transport properties to aid in developing 100-year service life concrete. A variation of 15 different tests were performed.

D.C. Cook Nuclear Plant Fire Protection Pipe Rupture, Bridgman, Michigan

Conducted an evaluation of the material degradation of a ruptured fire protection water supply pipe. The report included documentation of in situ conditions, analysis and summary of laboratory data and findings, and determination of material degradation impact of event.

RESEARCH AND DEVELOPMENT

State of Kansas

Conducted a research project for shrinkage reduction with numerous rounds of in-house testing (C39, C157, C1581) prior to the on-site field test at the government location. The product was used at the base of a dam with great success.

Amtrak/GE

Provided coring, concrete field testing, and maturity testing.

Veterans Administration

Conducted concrete field testing.

In-house Research Projects and Other Tests

Product research and development including developing mortar mixes

Fiber Research

Admixture Testing

Sealer Testing

Corrosion studies (10124, 11110, 14075, 15117, 14152)

ASR Testing (ASTM C1260, C1567, C1293, C227, C441)

Freeze-Thaw Testing (ASTM C666, C672, C1262)

Strength Testing (ASTM C39, C42, C78, C109, C469, C496)

Aggregate Testing (ASTM C29, C33, D75, C88, C123, C127, C128, C114/C136)