

Education

MS, Engineering Management with a specialization in project management
National University, 2007

BS, Chemistry California State University,
Fresno, 2001

Certifications

Caltrans laboratory and field test methods
for Aggregate/ Soils/ Asphalt/ PCC

NICET Level II in Aggregate, Soils and
Asphalt

Asphalt Institute – PG Binder and Asphalt
Concrete Properties

ACI Strength, Aggregate and Field
Certification – Grade 1

NRMCA Certified Plant Inspector

NRMCA Certified Pervious Concrete
Technician

Troxler Nuclear Gauge Certification

CMCA Certified Masonry Technician

10-Hour OSHA Safety

Accomplishments

- Published graduate level thesis on renewable energy and infrastructure improvement in San Diego area
- Quality control manager for multiple public works projects since 2005
- Trained over 40 technicians in construction inspection and testing
- Part of ICBO/ICC training group for central California partnering with Clovis ITT
- Graduated with 3.6 GPA from Master's program in 17 months



Brian Hall

Laboratory Manager

Mr. Hall is the manager of the materials and geotechnical laboratories. He has over 17 years of materials and geotechnical testing and inspection experience. He has worked on a variety of projects including: highways, bridges, multiple level buildings, parking structures, wastewater treatment facilities, commercial developments, national parks projects, federal highways and both federal and military airports. He is responsible for the daily activities of the laboratories including implementation of internal quality system, prioritization of projects, data analysis, training and evaluation of laboratory technicians, report preparation and review, and maintenance of all laboratory certifications and accreditations.

Mr. Hall oversees eight staff technicians as well as all materials and geotechnical laboratory projects.

Experience

City of Fresno – Independent Assurance Consultant

Helped develop IA program from its inception. Work closely with City and QA laboratories to ensure that technicians and the organization have current certification. Developed method of sampling and splitting reference samples for QA labs in order to effectively analyze each laboratory's accuracy in testing. Provided comprehensive assessment of each facility's with regards to equipment, organizational and procedural structure, proficiency testing, and technician competency.

Merced-Atwater Expressway (JPCP QC Manager)

QC Manager for JPCP operations including: Oversight of mix design and prequalification of concrete materials; assign contractor testing and inspection; review, report and bill for all field and laboratory testing; troubleshoot placement and materials issues.

Hwy 99 – Design-Build (Caltrans)

Assistant quality assurance manager for concrete pavement. Provided mix design analysis and pre-qualification testing for concrete jointed plain concrete pavement. Oversight of all fresh-mix and strength testing including analysis of any material deficiencies. Scheduling, reporting and managing for all aspects of quality control.

Visalia Municipal Airport (FAA, QCM)

Quality control supervisor for Granite Construction (sub to Rising Sun) for all phases of new taxiway construction.

Hwy 395 – Bishop (Caltrans, QCM)

Quality control supervisor for asphalt resurfacing of 25 miles of Hwy 395 using thin lift bonded friction course. Duties included: Setting up lab to test high volumes of hot-mixed asphalt, troubleshooting problems with asphalt production facility and equipment, tested and reported over 250 samples.

Valley Grain – Madera (Private)

Managed forensic investigation of structurally suspect concrete silos. Performed scanning and coring operations at top and bottom of 70' silo walls. Documented findings with pictures and written analyses. Tested for depth of coverage for reinforcing bars, compressive strength of concrete and petrographic examination of spalled concrete.

Edwards Air Force Base – Rosamond, CA (ACOE)

Provided HMA grade inspection and quality control testing. Provided HMA field compaction inspection, sampling, and testing. Provided troubleshooting and technical support to asphalt production facility in order to help produce qualified materials.

Other Projects:

- Plaza Drive, Visalia (Bridge / JPCP QCM)
- Hwy 180 – Kings Canyon (FHWA, QCM)
- General's Hwy (FHWA, grading / HMA paving)
- Halstead Meadows Bridge (FHWA, Bridge/Paving)
- Kings River Bridge (FHWA, Bridge/Paving/Forensic)
- Hwy 180 – Braided Ramps Design Build (JPCP, Earthwork)

Employment Summary

TECHNICON Engineering Services, Inc. 2008 – Present

Laboratory Operations Manager

Duties include: maintain and improve status of laboratory accreditations, daily supervision of lab staff, QC manager for concrete and asphalt paving projects, handle all lab-only and concrete department billing, produce bid proposals for public works projects, provide verbal and written technical support to clients and internal customers, train technicians in all aspects of laboratory and field testing, project manager of all materials design projects, quality assurance of all concrete and laboratory test reports, scheduling and management of all forensic testing projects, troubleshooting for all questionable results obtained and for equipment malfunctions, upkeep of all organizational accreditations.

Pozzolon Products dba Garco Testing Laboratories 2004 – 2008

Regional Laboratory Supervisor

Similar duties as above including more research and development of HMA products with regards to new specifications and custom applications.

August 2002 – July 2004

Quality Control Technician/Inspector – Field and Laboratory

Krazan & Associates 1998 – 2002

Laboratory Supervisor / Project Manager / Laboratory Technician



