



## Jesh Solivio

### Senior Associate

**Department**  
Engineering

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#### Locations

San Diego, CA  
Los Angeles, CA

## Biography

Jesh specializes in applying nondestructive evaluation (NDE) techniques, specifically reflective and through-transmission ultrasonic testing and ground penetrating radar, to investigate concrete-related problems in structures. His experience includes investigations of historic buildings, bridge decks, bridge piers, parking garages, tunnels, prestressed and post-tensioned structures, slab-on-grade, and foundations. He also provides computer-aided design and computer modeling services for architectural and structural design and repair projects. In addition, Jesh has performed condition assessments, structural testing, quality assurance inspections, and development of repair plans and specifications for numerous types of existing structures.

## Education

- Cape Technikon | Cape Town  
Associate of Science - Mechanical Engineering
- Cape Technikon | South Africa  
Associate of Science - Mechanical Engineering

## Professional Experience

- 2022 - Current | Senior Associate | YA Engineering Services
- 2020 - 2022 | Associate III | YA Engineering Services
- 2015 - 2019 | Principal | J&J Engineering and Testing Inc.
- 2004 - 2015 | Associate III | Wiss Janney Elstner Associates Inc.
- 2002 - 2004 | Lee & Associates, Inc.
- 1991 - 2002 | Edward Silver & Associates, Inc.

## Areas of Practice

- Damage Assessment
- Failure Analysis
- Litigation Support
- Non-Destructive Testing
- Repair and Rehabilitation Design

## Representative Consulting Assignments

- Santa Rosa Water Reclamation Facility  
Murrietta, CA | Nondestructive assessment of concrete walls and pilasters.
- Palo Verde Nuclear Power Plant  
Palo Verde, AZ | Evaluation of concrete foundation walls of trickling filters.
- Con-Fab Precast  
Lathrop, CA | Assessment of bulb T girders for I-405 expansion project.
- Sea-Tac Airport Service Tunnel  
Seattle, WA | Nondestructive evaluation of shotcrete placement
- Student Success and Retention Center at Los Angeles Community College  
District, East Los Angeles Campus  
Monterey Park, CA | Assessment of elevated slab using ultrasonic test

methods.

- I-5 Tunnel  
Los Angeles, CA | Assessment of fire damage to concrete tunnel.
- Long Beach Civic Center  
Long Beach, CA | Assessment of shotcrete wall placement as part of quality control.
- Grain Silo Collapse  
North Dakota | Investigation of collapse including sounding of concrete surfaces.