

Jose Consuelo Beltran | Senior Specialist



PRACTICE AREAS

- Specialty Engineering Services
- Load Testing
- Laboratory Testing
- Testing and Instrumentation

CONTACT

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EXPERIENCE

As a technician in WJE's Janney Technical Center's laboratory, Jose Beltran has assisted with load tests on a number of structural components, including cast-in-place concrete anchorage systems, wood-framed shear walls, prison doors, and scaffolding columns. Mr. Beltran has also worked on a variety of structures, including bridges, buildings, and parking garages. He has also inspected light poles and signs for indications of corrosion and fatigue cracking. In addition to his experience at WJE, Mr. Beltran has many trade skills that include carpentry and machinist training. He worked as a carpenter for twelve years prior to joining WJE in 1998. While at WJE, Mr. Beltran has carried out many steel-cutting operations on steel bridge structures to modify welded fatigue-sensitive details.

REPRESENTATIVE PROJECTS

Specialty Engineering Services

- Fremont Bridge - Portland, OR: Modification to upgrade various fatigue-sensitive details in a 2,200-foot-long tied-arch bridge
- I-10 Bridge - Sanford Lake, MI: Welded gusset plate fatigue repairs in two-girder bridge
- I-29 Bridge - Sioux City, IA: Fatigue crack repairs to address longitudinal stiffener butt weld defects
- I-80 Bridge - Omaha, NE: Fatigue crack repairs to gusset plate weld terminations, cross frame connection cracking, and longitudinal stiffener butt weld defects
- Millennium Park Garage - Chicago, IL: Concrete coring of conventionally reinforced columns
- Parking Garage at Pactiv Corporation - Lake Forest, IL: Concrete coring of a double-tee prestressed slab exposed to fire
- TWA Flight 800: Airplane fuselage reassembly for National Transportation Safety Board

Laboratory Testing

- California Men's Colony: Testing of typical cell doors in accordance with ASTM F1450 and HMMA
- Halfen Anchoring Systems - Northbrook, IL: Testing of cast-in-place steel channel anchors in accordance with ICC-ES acceptance criteria
- Ludlow Building Products, Inc. - Northbrook, IL: Testing of wood-framed shear wall sheathing with products manufactured by Ludlow in accordance with ASTM E72
- Masonry Anchor - Northbrook, IL: Testing of post-installed masonry anchor in accordance with ASTM E488