

BRYAN J. JUNCOSA, P.E.

FIRM TITLE: Principal Engineer/Certified Diver

JOB TITLE: P.E. Diver/Project Manager

EDUCATION: BSCE - New Jersey Institute of Technology
Major - Structural Engineering

REGISTRATION: Professional Engineer - New York, New Jersey, Arizona and Louisiana

MEMBERSHIP: American Society of Civil Engineers, Professional Marine Explorers Society
Structural Specialist for NJ-Task Force 1 Urban Search & Rescue Team

PROFESSIONAL BACKGROUND

Mr. Juncosa has thirty (30) years experience and is in charge of structural design, rehabilitation and inspection projects. He has performed the in-depth inspection and evaluation, above and below water of over 3000 bridges of all types including truss, suspension, pre-stressed concrete, steel beam, timber, arch and movable bridges for highway and railroad systems in New York, New Jersey, Pennsylvania and Louisiana.

Mr. Juncosa has performed the in-depth inspection of all types of marine structures above and below water including piers, ferry terminals, platforms, bulkheads, pipelines, dams, tunnels and culverts. Work on these marine projects also included the evaluation of plans, preparation of inspection reports, rehabilitation or replacement plans, and/or construction inspection.

Mr. Juncosa has designed and developed complete Construction Documents including plans specifications, cost estimates and has provided Construction Management and Quality Assurance services as a PE/ Diver, Project Engineer, and Project Manager. Mr. Juncosa has extensive experience with highway, bridge, building, railroad and marine structures.

Project Management included the establishment of procedures, making of design decisions, preparation and/or review of construction plans, specifications and estimates; and the establishment of budgets and time schedules. He served as principal client contact on projects for NJDOT, NJ Transit, NYSDOT, NYCEDC, METRO NORTH, MTA, TBTA, Port Authority, EDC, NJHA, ADOT, LADOT and most NJ counties. He is highly knowledgeable in the design of pre-stressed and cast-in-place concrete, steel and timber structures, soils and foundations.

PROJECT EXPERIENCE

INSPECTION:

As a Team Leader and certified diver, Mr. Juncosa has performed the above and below water inspection of many bridges, piers, bulkheads, dams, pipelines, tunnels and culverts. Equipment utilized included rigging, lifts, boom trucks, etc. and Surface Supply Hard Hat, Voice Communication, Video and 35mm photography and testing. Large bridge projects which also included Fathometric surveys and scour evaluation include:

Verrazano-Narrows Bridge NY, NY
Manhattan Bridge, NY, NY
Rt. 440 Bridge, Fresh Kills, Staten Island, NY
Benjamin Franklin Bridge, Philadelphia, PA
Driscoll Bridge (Garden State Parkway) Raritan, NJ
Bass River and Mullica River Bridges
(Garden State Parkway) NJ
D&R Canal Culvert (6300') Trenton, NJ
Rt. 35 (Victory Bridge) over Raritan River, NJ

George Washington Bridge, NJ, NY
Throgs Neck Bridge NY, NY
Henry Hudson Bridge NY, NY
Commodore Barry Bridge, NJ, PA
Marine Parkway Bridge, NY, NY
Cross Bay Blvd. Bridge, NY, NY

Bayonne Bridge, NJ
(7) Bridges Scour Evaluation PENDOT, PA

Thousands of smaller bridges for NJDOT, NYDOT, NYC, TBTA, NJ Transit, MTA, Metro North, NJ Counties, NY Canal

FERRY TERMINALS AND MARINE PROJECTS

Passenger Ship Terminal, Manhattan, NY
Pier 57 MTA Bus Pier, NY, NY
Pier 11 NY Waterway Ferry Terminal, NY, NY
Piers 1-5 Port Authority, NY, NY
Hoboken Ferry Terminal, Hoboken, NJ
Fulton Fish Market & South St. Seaport, NY
Battery Park City, South Cove, NY, NY
Waterside Plaza, NY, NY
Pier 66A Historic Restoration, NY, NY
Pier 79 Intermodal Ferry Terminal, NY, NY
Waterside Plaza, NY, NY

Whitehall Ferry Terminal, Manhattan, NY
Pier 6 Heliport, NY, NY
St. George Ferry Terminal, Staten Island, NY

35th Street Pier, NY, NY
Port Elizabeth & Newark Marine Terminals, NJ
Brooklyn Army Terminal, NY, NY
23rd & 60th Street Heliports, NY, NY
Mill Basin, NY, NY
NYC Harbor Charlie Police Pier Facility, NY, NY
Magellan, 85th Street Terminal, New Haven, CT

DAMS, CULVERTS, CANALS

Inspection, evaluation, report preparation, and repair design of many public and private dams and water systems.

NEW BRIDGE STRUCTURES

Design of (5) new twin bridge structures and roadway in Mohave County Arizona for ADOT. Several structures were over major washes and consisted of PPC AASHTO TYPE V GIRDERS. All foundations devices including spur dikes, grouted riprap and revetments. (8) New bridges for crossings in New Jersey from initial design phase and permitting thru to final construction.

ATLANTIC ENGINEERING, LLC

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