

Tracy R. Naso | Principal and Unit Manager



EDUCATION

- University of Kentucky
 - Bachelor of Science, Civil Engineering, 2003
- University of Illinois at Urbana-Champaign
 - Master of Science, Structural Engineering, 2004

PRACTICE AREAS

- Repair and Rehabilitation Design
- Concrete Structures
- Parking Structures
- Waterproofing
- Failure/Damage Investigations
- Construction Troubleshooting

REGISTRATIONS

- Professional Engineer in WI
- Structural Engineer in HI, IL, NE

PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI)
- American Society of Civil Engineers (ASCE)
- Post-Tensioning Institute (PTI)
- Structural Engineers Association of Illinois (SEAIO)

TECHNICAL COMMITTEES

- PTI CRT-60: Repair, Rehabilitation, and Strengthening Field Personnel Certification
- PTI DC-80: Repair, Rehabilitation, and Strengthening Committee, past chair

EXPERIENCE

Tracy Naso specializes in the investigation and repair of structures. Her emphasis is on reinforced concrete systems, including conventional, post-tensioned, prestressed, and antiquated systems. She has extensive experience with various structures, including high-rise towers, parking structures, plazas, pools, tunnels, and stadiums. Ms. Naso also investigates failures and collapses due to storms, fire, extreme events, and structural deficiency. She possesses expertise with methods of nondestructive testing and sampling to establish properties of existing structures and has developed experience in the selection of strengthening, repair, and protective waterproofing methods and materials. Ms. Naso designs repairs for the remediation, strengthening, and protection of new and existing structures, develops construction documents, and provides construction period observation and administration services for the implementation of those designs.

REPRESENTATIVE PROJECTS

Repair and Rehabilitation Design

- Northwestern University Utility Tunnels - Evanston, IL: Condition assessment and multiyear restoration program for one-hundred-year-old tunnel system
- Warehouse Conversion - Chicago, IL: Evaluation of existing historic masonry and concrete structure for reuse for offices and addition of new floor
- Mahana at Ka'anapali - Lahaina, HI: Condition assessment of facade, balconies, and parking structure; multiyear concrete restoration program for facade and balconies; post-tensioning evaluation and repair
- Oceanfront Resort - Kahuku, HI: Repair of reinforced concrete balconies and facade; replacement of facade coating; replacement of sliding glass doors and railings
- One River Place - Chicago, IL: Concrete facade repair and recoating; assessment and repair of parking garage; assessment and restoration of rooftop historic statue

Concrete Structures

- University of Nebraska-Lincoln, Memorial Stadium: Condition assessment and repair for ongoing rehabilitation work; structural peer review services for seating expansions

- Residential Building - Detroit, MI: Investigation and repair of wide cracking and displacement in five-year-old, post-tensioned structure
- Royal Court - Honolulu, HI: Investigation and repair of failed button-head post-tensioning tendons on roof deck and in parking structure, installation of new waterproofing; concrete and stucco facade assessment

Waterproofing

- Commercial Building - Chicago, IL: Investigation and repair of roof buried waterproofing failure in one-year-old building
- Trustmark Insurance Headquarters - Lake Forest, IL: Plaza restoration and improvements
- Residential High-Rise - Milwaukee, WI: Investigation of structural deterioration and extensive leakage in recently repaired plaza; repair design and litigation support

Failure/Damage Investigations

- Olympia Centre - Chicago, IL: Development of nonlinear inelastic analysis computer model to determine structural behavior and structural repair design to address shear failure of multiple transfer girders in sixty-four-story reinforced concrete structure
- Optima Horizons - Evanston, IL: Assessment and strengthening of reinforced concrete floors exhibiting excessive deflection, cracking, and punching shear distress
- Commercial Building - Chicago, IL: Determination of cause of failure of structural connections between precast structural members in three-year-old building
- Grocery Store Roof Collapse - Brookfield, WI: Investigation of collapse and repair of steel truss roof
- Parking Garage - Chicago, IL: Investigation, analysis, repair, and load testing of precast concrete parking garage due to corbel failure during erection

CONTACT

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