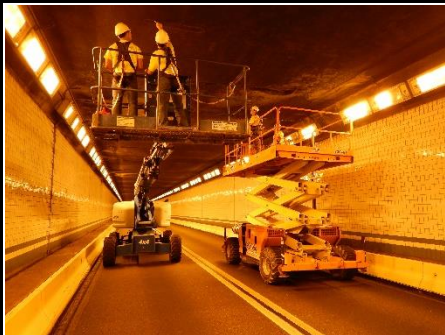
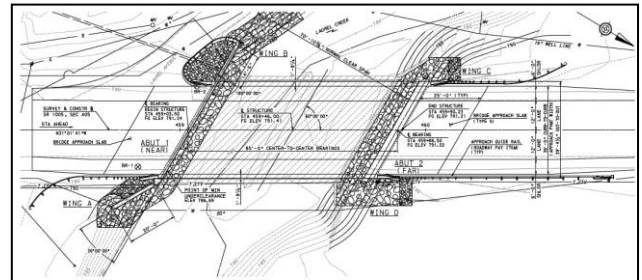


# Bridge | Tunnel Design & Inspection



Stahl Sheaffer provides structural engineering for the design of bridges of all construction types and span arrangements. Our staff includes professional engineers dedicated to bridge structural engineering, Certified Bridge Safety Inspectors (CBSI), and Nationally Certified Tunnel Inspectors (NCTI) with experience designing and inspecting structures for the Department of Transportation, the Turnpike Commission, the Department of Conservation and Natural Resources (DCNR), and various municipalities. Services include:

- Preliminary and final design
- Bridge replacement, restoration, rehabilitation
- Maintenance recommendations
- Design of associated roadway
- Load capacity analysis
- Stormwater
- Signing
- Pavement marking
- Right of way
- Geometry
- Drainage
- Permitting
- Clearance
- Hydraulics
- Environmental studies
- Inspection
- Public meetings
- Geotechnical exploration
- Project management
- Construction inspection and consultation services



The staff of Stahl Sheaffer has designed hundreds of bridges, ranging from 8 feet to over 3,000 feet in length. For projects with townships, counties, and boroughs the funding mechanisms have included Liquid Fuels Funds, General Funds, Retroactive Reimbursements, and both Federal and State Funding Participation. Stahl Sheaffer understands the requirements of the various funding mechanisms, and can ensure that those requirements are satisfied. Stahl Sheaffer also has staff with extensive experience in completing bridge, tunnel, and sign structure safety inspections in accordance with the National Bridge Safety Inspection (NBIS) program and the National Tunnel Inspection Standards (NTIS). Our CBSI- and NCTI-certified staff has completed routine, in-depth, and emergency (flood or accident) inspections, load rating analysis, and emergency repair recommendations for bridges and tunnels of various constructions, spans, and lengths.