

Third Harbor Tunnel (Tube) Boston Artery, Boston, MA

In an effort to alleviate Boston, Massachusetts' traffic problems the Central Artery/Tunnel Project (CA/T) was initiated by the Massachusetts Turnpike Authority. The project has two major components:

- An existing six-lane elevated highway will be replaced with an eight-to-ten-lane underground expressway directly beneath the existing road, culminating at its northern limit in a 14-lane, two-bridge crossing of the Charles River.
- I-90 (the Massachusetts Turnpike) will be extended from its current terminus south of downtown Boston through a tunnel beneath South Boston and Boston Harbor to Logan Airport.

To put these highway improvements in the ground in a city like Boston amounts to one of the largest, most technically difficult and environmentally challenging infrastructure projects ever undertaken in the United States. The project spans 7.8 miles of highway, 161 lanes miles in all, about half in tunnels.



Tunnel segments being shipped by barge.

Services Performed:

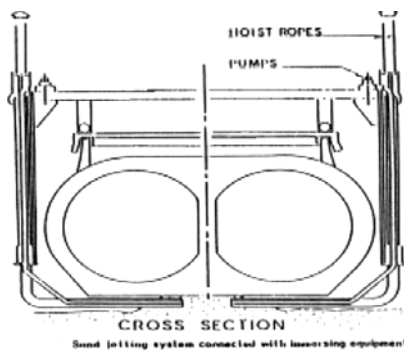
- Drilling and Blasting
- Slurry Trenchwall
- Steel Structures
- Sheet-Pile Cofferdams

Year of Completion: 1995

Construction Cost: \$500M

Client:

Commonwealth of Mass. D.P.W



Tunnel Cross-section.

Under the lead of Haley & Aldrick, Ben C. Gerwick's scope of work on this project included design and specifications for a 50 ft deep underwater trench in rock.

The design for the trench involved drilling, blasting, slurry trench, sheet-pile cofferdams and rock protection.

Gerwick also reviewed the design of the tunnel and proposed design modifications for the steel tube to permit towing of the tunnel elements from Baltimore to Boston.



Location Plan.