

I-91 / I-95 / Route 34 Interchange Design Services

The project involves the redesign of the three-way interchange of Interstate 95, Interstate 91 and State Highway Route 34 as part of CTDOT's New Haven Harbor Crossing Corridor Improvement Program. These limited access highways intersect within the city limits of New Haven. The urban setting, limited and costly right-of-way, extremely high traffic volumes on all roadways, and adjacent development density all contributed to the engineering challenges. **GCS** was responsible for bridge design and engineering, final design development, CAD drawings, specifications, and cost estimates for modifications to the interchanges.



The major tasks of the project included:

- Preparation of plans for maintenance and protection of traffic
- Coordination with towns and utility companies
- Preparation of final design plans, specifications, and cost estimates
- Plans for structural, civil/site, drainage, erosion and sediment control, noise barriers, etc.
- Preparation of contract and bid documents
- Preparation of a large number of environmental permits and close coordination with the Department of Environmental Protection was required