

Client

Washington State
Department of
Transportation

Location

Tacoma, Washington

Services

- Compliance Audit System

Compliance Audit Tacoma Narrows Bridge

Scope of Services

The Washington State Department of Transportation (WSDOT) improved SR 16 at the Tacoma Narrows Crossing with the construction of a new suspension bridge, parallel to, and south of the existing bridge. The new bridge provides two general-purpose traffic lanes and an HOV lane for eastbound traffic. The bridge was delivered under a single design-build agreement that included a separated path for bicycles and pedestrians. It was designed to accommodate a second deck, when needed. The existing bridge underwent seismic improvements and was reconfigured to provide two general-purpose traffic lanes and an HOV lane for westbound traffic. The project also included 3.4 miles of SR 16 from the Jackson Avenue interchange in Tacoma to a new interchange at 24th/36th Streets. The project was constructed under a design-build agreement by Tacoma Narrows Constructors (TNC), a joint venture of Bechtel Infrastructure Corporation and Kiewit Pacific Company.



Project Description

Delcan was retained by WSDOT to assist in the oversight of the project by developing, implementing and managing a Compliance Audit System specific to the contractual and quality management arrangements of the project. The focus of the audit system was on the construction phase of the work. It featured project specific requirement lists, auditing of quality management system implementation, auditing of construction process and product, results analysis and tracking. A Delcan-designed database application provided the requirement lists, audit recording and reporting functions that facilitated and enabled the auditing activity. Delcan's project personnel provided set up, auditor training and management of the audit program and were integrated with the WSDOT oversight team at the project office.