The services of the State Bridge and Structures Architect are documented in the WSDOT Bridge Design Manual and the Design Manual. The following pages contain short descriptions of each manual section.
The State Bridge and Structure Architect is responsible for:

- Reviewing and approving Preliminary Plans
- Renderings
- Models
- Coordinating aesthetic activities with Regions
- Other duties to improve aesthetics
- Approving design phase changes to architectural details.

The State Bridge and Structures Architect should be consulted early in the TS&L study period.

“Notes to the File” should be made documenting the aesthetic requirements and recommendations of the State Bridge and...
**WS DOT DESIGN MANUAL 730.04(5), 06 RETAINING WALLS**

See Bridge Design Manual 2.3.6 for references to WSDOT Design Manual. See flowchart in DM figure 730-4a & b.

The Bridge Architects involvement in retaining wall design follows:

- Region initiates process except for walls developed in bridge preliminary plan. Coordination between region, Bridge Office, Geotechnical Branch and Bridge Architect must occur early.
- Standard & Proprietary Walls: Region coordinates with Architect for final wall selection. Region prepares the PS&E.
- Architect approves all retaining wall finishes, materials & configuration.

**WS DOT DESIGN MANUAL 740.04 NOISE BARRIERS**

The Architects involvement in noise barriers is as follows:

- The Region is responsible for interdisciplinary teams for consultation with noise specialists, maintenance, Region Landscape Architects, R.O.W., Bridge Office, Bridge Architect and others.
- Region sends data and Architect provides list of standard, draft standard and pre-approved proprietary walls.
- Architect approves appearance, finish, materials and configuration of noise barriers.

**WS DOT DESIGN MANUAL 950 PUBLIC ART POLICY**

The Architects involvement in public art is as follows:

- Where local agencies or citizen groups provide funding, WSDOT may become involved in public art. In these cases the Architect serves on specialty teams and approves public art.
LITERATURE

WSDOT

Bridge Aesthetics Around the World  Transportation Research Board
Spanning Washington Craig Holstine and Richard Hobbs
The Freeway in the City Urban Advisors to FHWA
Esthetics in Concrete Design  Watson & Hurd
The Tower and the Bridge David Billington
Santiago Calatrava Tzonis & Donadei
Bridging, Discovering the Beauty of Bridges Robert Cortright
30 Bridges Matthew Wells
Robert Maillart’s Bridges David Billington
Aesthetics and Technology in Building Pier Luigi Nervi
Bridge Design Aesthetics and Developing Technologies Bacow & Kruckemeyer

HISTORIC VARIATIONS ON A THEME

FORM Follows FUNCTION  LOUIS SULLIVAN 1910
FORM is IDENTICAL WITH FUNCTION  GAUDI 1910
FORM Follows FORMULA  FRANZ DISCHINGER 1930
WHO CARES PEOPLE WANT BOTH  FRANK LLOYD WRIGHT 1940
FORM Follows FUNDING  PHILLIP JOHNSON 1970
FUNCTION Follows FORM  DAVID BILLINGTON 1980

Tacoma Narrows Concept
Drawing  1930’s