



## Stage 2 Types of Noise Wall Materials Under Consideration

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### What materials does WSDOT typically use for noise walls?

WSDOT typically uses concrete for noise walls. These noise walls vary in height and appearance depending on location.

### What is WSDOT considering for Stage 2 of this project?

WSDOT is considering using some newly available non-concrete noise wall products rather than typical concrete for this noise wall. These non-concrete products are commercially available and lightweight.

The use of these non-concrete noise wall products would be new and innovative for the state. We would monitor the condition (wear and tear) of the noise wall over time and evaluate its effectiveness and maintenance requirements.

### How will WSDOT decide which type of noise wall product to use?

We will select a type of noise wall based on the following considerations:

- Cost of noise wall and installation.
- Feasibility of construction in this location.
- Ability to preserve existing vegetation.
- Potential to remove and reuse the noise wall components elsewhere if Sound Transit's light rail line is constructed in the future.

WSDOT technical experts in noise, products/materials, engineering design, landscape architecture, and maintenance have reviewed the products under consideration and will select the best product for this noise wall.

## What do the non-concrete noise walls look like?

After careful analysis and screening, the project team is considering three non-concrete noise walls described below for use in this area. The three types under consideration include the following characteristics:

- They can be colored to match other noise walls in the area.
- They are lightweight and could require less vegetation removal during construction than typical concrete noise walls.
- They could potentially be disassembled and reused elsewhere.

### UltraScreen® Sight and Sound Barrier



UltraScreen panels consist of a foam core with cement board laminated to both sides.

### Carsonite® Sound Barrier™



The Carsonite Sound Barrier panels consist of recycled tires as fill inside fiberglass boards. The narrow interlocking planks could be installed vertically like fence slats.

### Tuf-Barrier™



Tuf-Barrier is constructed using vinyl covered steel posts with vertical vinyl slats.