



### Public Works Case Study

## SR 99 Tunnel Project

### BUILDING A MORE DURABLE SEATTLE

When the Washington State Department of Transportation wanted to replace the SR 99 Alaskan Way Viaduct with a tunnel underneath downtown Seattle, Red Arrow Logistics was selected to transport building materials to the on-site manufacturing facility in Seattle, WA.

The Alaskan Way Viaduct was built in the 1950s and since then, the daily wear and tear has taken quite a toll on the structure. Because of the viaduct's age and vulnerability to earthquakes, it is crucial that the Washington State Department of Transportation replace the structure for public safety reasons.

Major elements of the project included:

- A two-mile-long tunnel beneath downtown Seattle.
- A mile-long stretch of new highway that connects to the south entrance of the tunnel, near Seattle's stadiums.
- A new overpass at the south end of downtown that allowed traffic to bypass train blockages near Seattle's busiest port terminal.
- Demolition of the viaduct's downtown waterfront section.
- A new Alaskan way surface street along the waterfront that connects SR 99 to downtown.

Responsible for delivering the building materials for the project, Red Arrow enlisted 15 53' flatbeds to move the building product from various facilities in Indiana, Kentucky, Texas, and Arkansas to the customer's on site manufacturing facility in Seattle, WA. Red Arrow coordinated the schedule for each flatbed shipment going to the manufacturing facility in Seattle, WA. This detail-oriented management ensured each shipment arrived **on time** and **on budget** - not delaying the work on the SR 99 Tunnel Project.

Replacing the viaduct with a tunnel allows the highway to remain open during much of the construction, thus minimizing closures and impacts to traffic. Once the tunnel opens, the viaduct will be taken down to clear the way for new public space along Seattle's downtown waterfront.