

Car Shop PA System

Project Scope

The Alaska Railroad (ARRC) plans to replace an aging public address (PA) system in ARRC's Anchorage Car Shop, Building 28 located in the Anchorage Rail Yard. The shop PA system is an important safety system, designed to warn employees and contractors of railcar movement inside the shop facility.

The existing system was damaged during the 7.1 magnitude earthquake that hit southcentral Alaska in November 2018. About half of the building no longer has a functioning PA system.

Benefits

Replacing the PA system will:

- restore a personnel safety warning system throughout this essential railroad work site.
- implement a PA system with modern and upgraded sound and control features.

Status

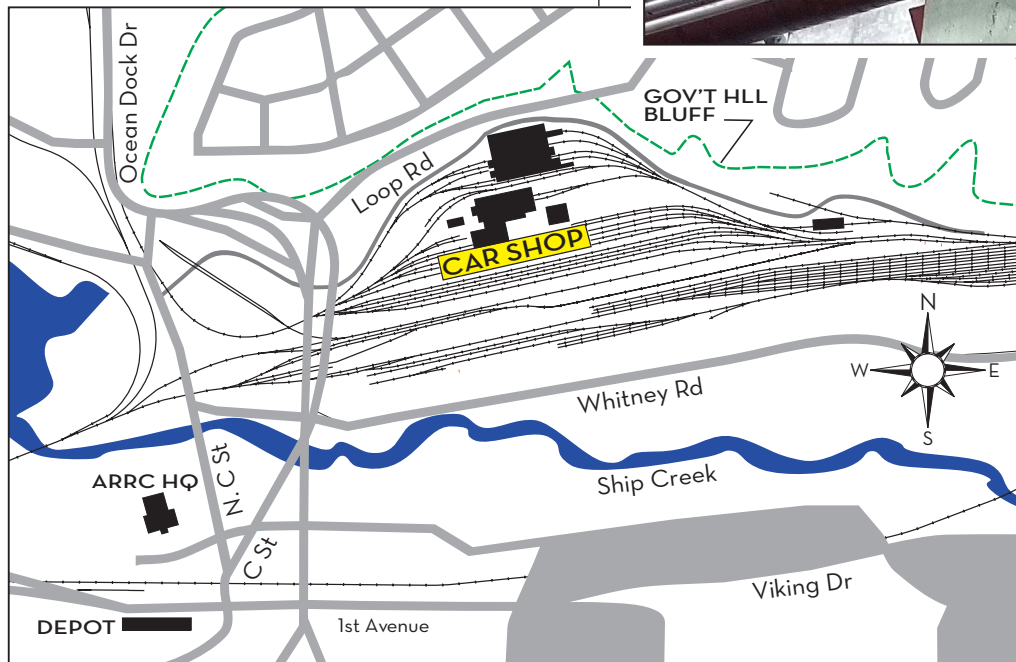
- In early spring 2021, ATS Alaska was awarded a contract to design and install the new system.
- Final design completed by mid-summer 2021.
- Installation in early 2022. Fine-tune functionality anticipated by late spring 2022.

Cost and Funding

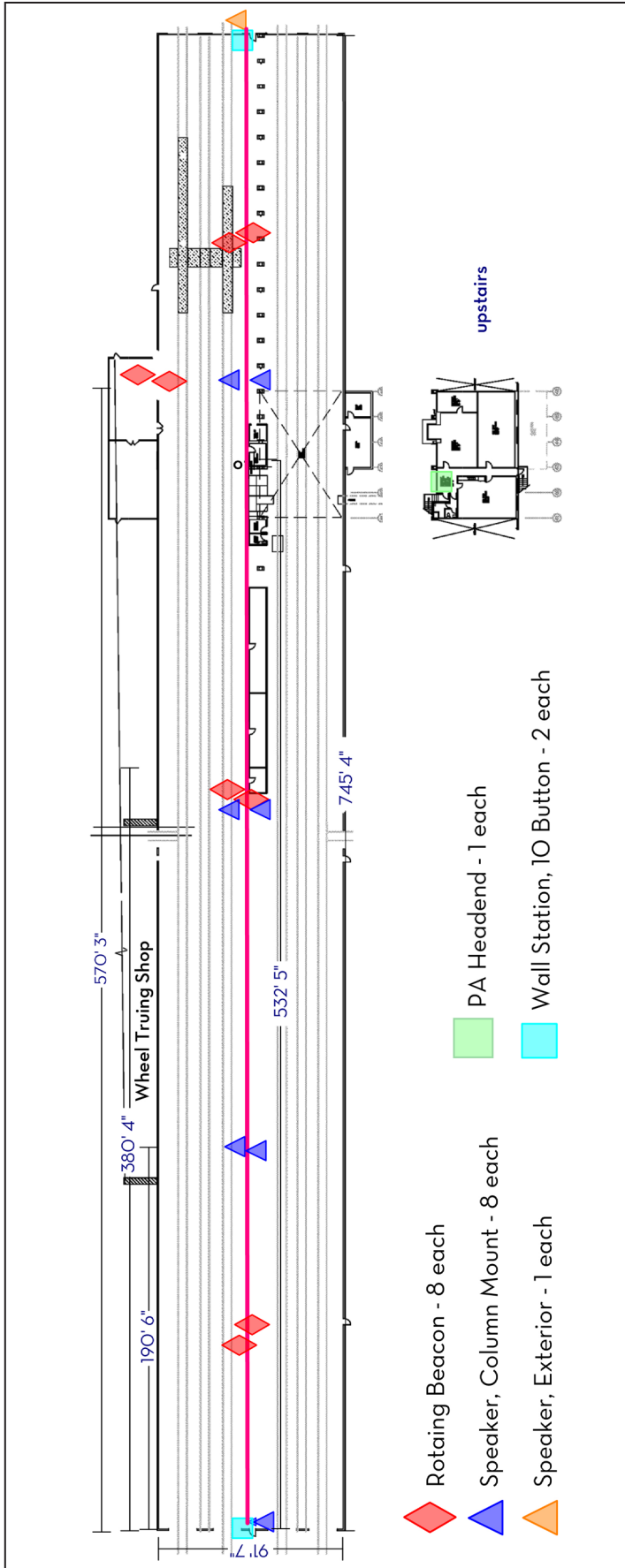
The project budget is \$175,170. Funding comes 80% from the Federal Transit Administration (FTA). The remaining 20% is funded by the Alaska Railroad, as the required cash match.



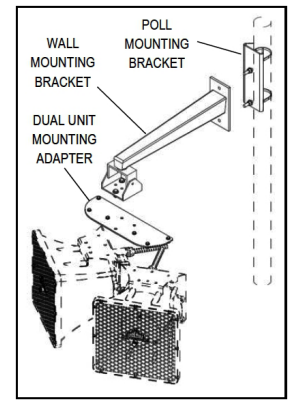
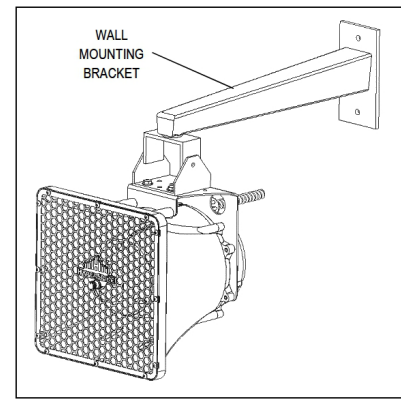
A mounted speaker that is part of the existing system, half of which is no longer functioning.



The car shop is part of the mechanical shop complex in the Anchorage Rail Yard.



- ◆ Rotating Beacon - 8 each
- ▲ Speaker, Column Mount - 8 each
- ▲ Speaker, Exterior - 1 each
- PA Headend - 1 each
- Wall Station, 10 Button - 2 each



Above: an example of a modern public address system speaker, and an example of a common mounting apparatus for single and double speaker configurations.

Car Shop PA System Plan

The contractor has developed a conceptual plan for installing components of a new public address system to function throughout the Anchorage Car Shop facility – Building 28 in the Anchorage Rail Yard.