

New Young's Bay Bridge Astoria, Oregon



Client:

Oregon Department of
Transportation
Salem, Oregon

Contract Value:

\$9,000,000 estimated

Project Timeline:

Started: June 2007

Completed: March 2009

Project Highlights:

- Mechanical & electrical rehabilitation of lift bridge
- Total replacement of span drive equipment, motors, brakes, shafts, bearings & floor plates
- Replacement of live load shoes
- Replacement of span locks
- New access walkways & platforms
- Structural rivet replacement to bolts
- Over 2,000 LF of submarine cable replacement
- New traffic barriers & gates
- Total electrical upgrade
- New paint on lift span & towers



Advanced American Construction began this \$9M upgrade to the New Young's Bay Bridge in June of 2007, the first substantial upgrade since being built in 1964. The bridge carries 14,000 vehicles, from log trucks to motorcycles, between Astoria and Warrenton everyday. Improvements during this project included structural upgrades, a remodeled bridge operator's house, replacement of the lift-span electrical systems and installation of safety barriers and traffic gates. A new underwater submarine power cable was plowed in by AAC to take the place of power lines that used to be attached to the bridge's superstructure. The bridge also received a new coat of green paint that is expected to last 15-20 years. The extreme weather conditions and access played a dynamic role in the overall production of this project.