

Hamilton Construction Nevada Ave – Green Springs Bridge Project Northwest Construction's BEST of 2006 Award

Project Name: Nevada Ave – Green Springs Bridge Project Hwy 97 in Klamath Falls, Oregon
Tenure: November 2004 – April 2006

Project Description:

The project is part of ODOT's Cracked Bridge Replacement Program. The program's objectives include detouring all heavy loads traveling through Oregon to Hwy 97 to relieve Interstate 5 of the heavy loads as I-5 has the lion's share of work to do. This project was the last of the bridges on Hwy 97 to be replaced before detouring all heavy loads onto Hwy 97. Project cost was \$12.6 million.

The existing California Ave. Bridge was a 500' long, eight span, precast girder bridge. The bridge was located in a residential neighborhood. The Green Springs Bridge was a 500' long, five span, cast-in-place box girder bridge overlooking downtown K Falls.

The project included demolition of both bridges (one of them in two stages), construction of an 800 foot long detour bridge and removal and construction of one 520' long three span weathered steel girder (7ft tall) bridge. Hamilton constructed one 500' long, five span precast concrete girder bridge over BNSF RR tracks, a county road, and a wetland runoff area. All had to be complete in 14 months to facilitate ODOT's mobility programs' deadline. The project was completed without liquidated damages and within budget.

After Construction commenced, a wetland was found. As the wetland was directly underneath the Green Springs Bridge to be demolished, Hamilton added construction of a bridge over the wetland to protect the wetland from contamination during the job.

Hamilton Construction achieved the goal of 40,000 man-hours on the project without a workplace injury. The project helped achieve national accreditation in American Institute of Steel Construction.

Hamilton Value Engineered the Traffic Control and Staging on the project to better fit our construction techniques. In doing so, it provided a large monetary savings to the project that both ODOT and Hamilton shared.

To provide a safe environment to the public as well as the workers, Hamilton Construction negotiated deals with the City of Klamath Falls, Klamath County, & BNSF to allow for complete shut down of the roads and railroad tracks during construction.

The project team opted to crush the existing bridges and use the rubble as roadway material and backfill in the new construction in an effort to provide sustainability to Oregon's resources. As well, the existing type 'F' rail, all the rebar in the bridges, and all the aluminum railing were recycled.

Hamilton Construction opted to leave the residential area underneath the California Avenue in better condition than when we arrived. To that end, we constructed 300lf of sidewalk, 450lf of concrete curbing, 11,000sf of asphalt overlay, and 1 ADA sidewalk ramp without reimbursement.

Project Owner: ODOT (Oregon Department of Transportation)
Owner's Representative: OBDP (Oregon Bridge Delivery Partners)
General Contractor: Hamilton Construction Co (Oregon)
Consultants: WH Pacific & Parametrics
Subcontractors: Klamath Pacific, Staton