



**Design & Engineering
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Double Waterless Restroom

Marble Bluff Dam & Fish Passage Facility *An American Recovery and Reinvestment Act Project*

The U.S Fish. and Wildlife Service mans and maintains a Fish Passage Facility near the terminus of the Truckee River, approximately three miles upstream of Pyramid Lake. The fish passage was constructed in 1976 to provide grade control and to move the endangered cui ui, as well as the threatened Lahontan Cutthroat Trout upriver to spawn. In 2008 and 2009, they built a visitor area at the fish passage with interpretive displays on the cui ui, Lahontan, American white pelicans, and the history of the area. In addition to a much needed parking area, there is now a picnic area surrounded by the beautiful views of the Truckee River Delta and, potentially, local wildlife.

And, when you beckon people to come and gather, the one necessity that cannot be overlooked is restroom facilities; a must for the comfort of visitors, as well as the protection of the environment. Tim Loux, a fish biologist from the Lahontan National Fish Hatchery Complex, looked to bring in a waterless restroom facility utilizing the SST Technology designed by Briar Cook for the U.S. Forest Service decades ago. These facilities do not require water, sewer, or electric hook-ups and, utilizing the SST air flow system, they are virtually odorless. These units are about as "Green" as you can get.

The construction site also had some unique requirements, including a retaining wall around the restroom structure, as well as sidewalks leading from the parking area to the restroom. When all was said and done, Romtec Inc., out of Roseburg, Oregon, won the job with their patented SST technology and the unique ability to perform additional construction on their federal GSA contract. Romtec was able to provide a strong and durable double restroom facility, as well as the design and construction of the necessary retaining wall and the short sidewalk to the parking lot. The finished project, seen here with the snow-covered Sierra Nevadas in the background, shows an attractive structure, protecting an even more attractive environment.

Mike Lathrope of Lathrope Construction was the primary contractor on the project and he made quick work of it with the flexibility and assistance of the U.S. Fish and Wildlife team, including not just Tim Loux, but also Anthony Kaiser and Misty Summers. Everyone involved was flexible, courteous and, as a team, completed the project in record time. The whole collaborative effort went smoothly and the project was completed in February of 2010 after an American Recovery and Reinvestment Act purchase order was issued in December of 2009. The whole thing took less than three months and everyone involved is very pleased with the results.

The U.S. Fish and Wildlife Service personnel at Marble Bluff are saving fish for future generations, while providing for the comfort and education of the public that supports their efforts. The interpretive site and public restroom will add to the experience of all who visit.

Photos provided by the U.S. Fish and Wildlife Service



Marble Bluff Picnic Area

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SST® Technology



Romtec, Inc., Double Aspen