

PUGET SOUND REGIONAL COUNCIL PRIORITY PROJECT LIST

NARRATIVE PROJECT INFORMATION - October 2011

*Due to Peter Heffernan (peter.heffernan@kingcounty.gov) no later than close of business
Wednesday October 12.*

Project Sponsor: *King County, Road Services*

Project Name: *SE 277th Street Bridge Replacement*

Project Location: Located on South 277th Street between 1-5 and SR 167 in the Green River Valley area near the City of Kent and City of Auburn.

What type of project is it: Support Centers ____ Corridors Serving Centers X

Plan Consistency:

- Transportation 2040 project number: N/A
- Is the project consistent with the Transportation 2040: Yes X No ____

Deleted: _

Project Description - No more than two full page - (see evaluation criteria for information to include):

- Briefly describe the project

South 277th Street Bridge #3126 is one of the 57 bridges that span less than 20 feet in length that are owned and maintained by King County Department of Transportation. The bridges were built in the 1950s and are at the end of their useful life.

The existing S 277th Street Bridge is only 15'-9" in span and was built in 1950. It was widened in 1976 from 24 feet to 64 feet. It is founded on creosote-treated timber piles, which are located in the water. South 277th Street Road carries a 2008 Average Daily Traffic (ADT) of 22,000 vehicles and is a principal arterial. This carries four lanes of traffic with two 8 foot shoulders. This structurally deficient bridge needs to be upgraded to keep this road serviceable for the public.

Closing this road for traffic is not an option as this bridge is located on a principal arterial with heavy traffic. Repairing or rehabilitation options are not feasible because the creosote-treated timber substructure is leaching into the water, creating an environmental hazard and the substructure needs to be rebuilt outside the ordinary high water mark. The existing superstructure is not reusable either as it was designed for an outdated design vehicle that does not meet current design standards for structural capacity.

