



I-90 Snoqualmie Pass East Vicinity

September 2014

Improve visibility



Why is WSDOT installing solar-powered LED lane markers on Snoqualmie Pass?

One of the challenges of operating and maintaining I-90 over Snoqualmie Pass is being able to keep lane markings from fading. In addition to rain and snow obscuring visibility, heavy wear from snow removal operations, studded tires and vehicles with chains shorten the life of the lane markings.

WSDOT hopes to improve visibility over Snoqualmie Pass by installing solar-powered LED lane markings and high visibility reflectors on shoulders and median barrier located in strategic locations along a 15-mile stretch of I-90. The LED lane markers will enhance roadway stripes and other roadway delineation. This pilot project will be the first to utilize solar-powered LED lane markers on a large scale in the state.

How are the solar-powered LED lane markings installed?



Drill a hole into the pavement



Fill the bottom of hole with epoxy



Align the base of marker into the hole



Apply epoxy to the perimeter of the base



Grind relief in front of the base of the lane marker



Insert the LED portion of the lane marker inside the base and secure