

Project Purpose and Need

Currently, the utility substations in the northern half of Boulder City have only one 69kV transmission line feed. As a result, if this line experiences any outages, thousands of customers in the area would be without power. By constructing an additional 69kV loop, there will be increased reliability in the electric system to help reduce the potential for long duration system outages.

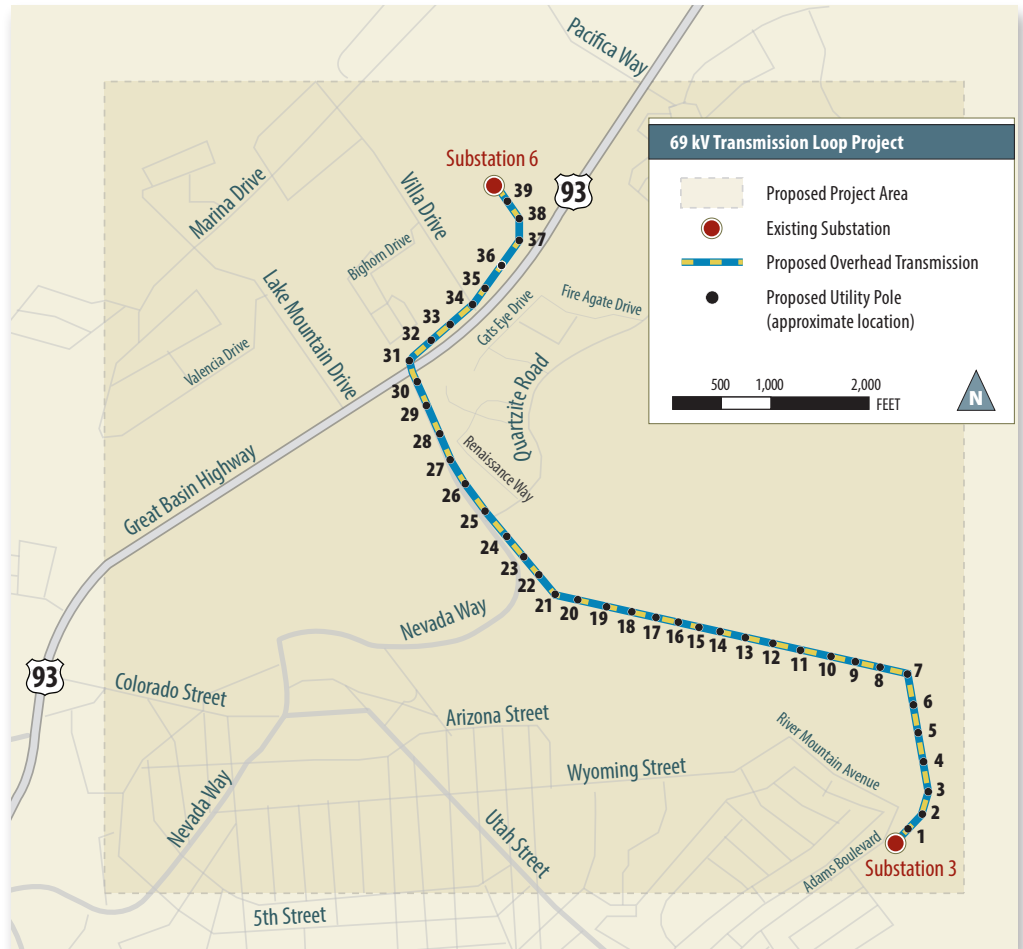
Transmission Line Details

The 69kV transmission line route will be 3.1 miles and connect Substation 3 near Adams Boulevard and River Mountain Avenue to Substation 6.

Boulder City is currently at a 30% design phase for the project. The line is all overhead utilizing self supporting tubular steel structures. Electric poles are approximately 300 feet apart and range in height from 60 feet to 80 feet. The City is exploring the cost to underground a section along Nevada Way and US 93, but this alternative may cost up to 10 times as much.

PROJECT ESTIMATES	
June 2015	
Project Length	2.05 miles
Estimated overhead cost/mile	\$929,000
Estimated underground cost/mile	\$6,174,000

The transmission line will be built on city-owned property and within the existing roadway right-of-way.



Project Area

<p>Questions? Comments?</p>	<p>Your input is important; to share your thoughts or for more information on the project, please contact:</p>	<p>Jim Keane, PE, City of Boulder City ☎ 702-293-9200 @ jkeane@bcnv.org ✉ 401 California Avenue, Boulder City, NV 89005</p>
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Please visit the project website @ bcnv.org/512/69kV-Transmission-Loop