

# 2009 Be Inspired Awards

## Innovation in Roads



### Directorate General Border Roads

Kilometer 416 to Kilometer 424 on Hindustan-Tibet Road

Himachal Pradesh, India

This \$7.4 million project upgraded an 8-kilometer stretch of highway between Hindustan, India, and the Tibet border, widening the road from a single lane to National Highway double-lane specifications (carriageway width of 7 meters). Located in Himachal Pradesh, India, one of the most remote parts of the country, the project area covered difficult terrain and extreme climatic conditions including threat of avalanches.

The team members assigned to this project used MXROAD to update existing survey data and eliminate the need for resurveying under adverse conditions. MXROAD's quick alignment methodology also simplified the preparation of alternate plans. With the aid of technology, two people were able to accomplish a complex task in minimal time.