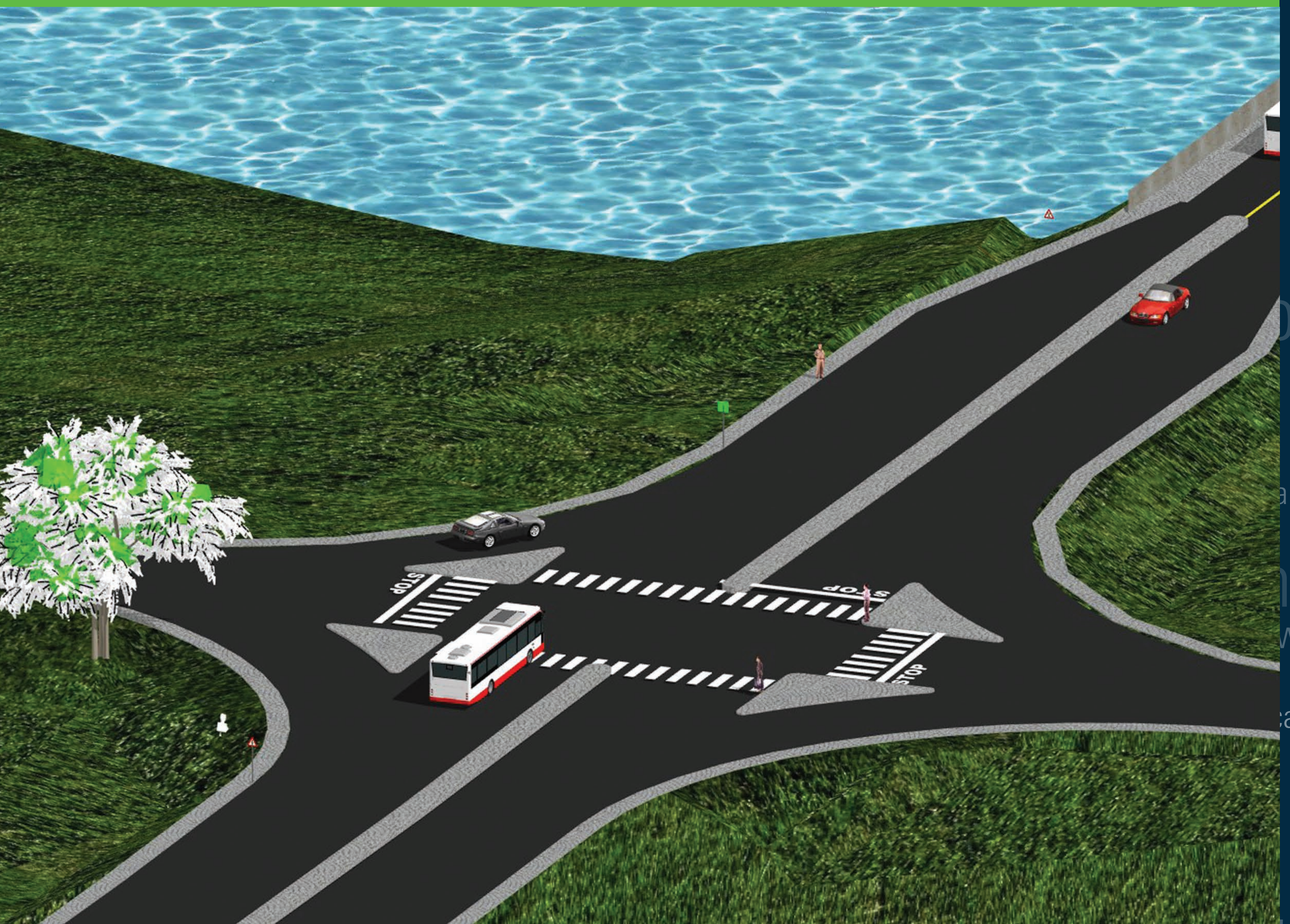


2009 Be Inspired Awards

Innovation in Roads



Scott Wilson India Pvt Ltd

Upgrading of Kudremukha-Samse-Magundi-Niduvale-Balur Road

Karnataka, India

Traversing mountainous terrain to connect 13 villages in Karnataka, India, the existing 63-kilometer, single-lane road had substandard alignment and severely deteriorated pavement. The goal for this \$35 million project was to derive tangible economic benefits through travel time reduction, road safety enhancement, and vehicle operating cost savings.

Given the constraints posed by the steep terrain, the alignment design was the single most onerous task, involving several refinements using MXROAD. Determining the optimal road centerline was also crucial, given the multiple switchbacks. The MXROAD 3D modeling tools enabled rapid and accurate alignment design, making it possible to quickly achieve the best fit.