



Source: Mainstreaming Climate Resilience into Development Planning (TA 8179)

Climate Proofing of Roads in Prey Veng, Svay Rieng, Kampong Chhnang, and Kampong Speu Provinces

Provincial Roads Improvement Project
(ADB Loan Nos. 2839 and 8254; Grant No. 0278)

OUTCOME

Safe, climate-resilient, cost-effective, all-year access road network in targeted agricultural provinces

OUTPUT

- Project roads and the cross-border facility at Prey Var and Svay Rieng rehabilitated
- Road asset management improved
- Road safety and safeguards increased
- Resilience of project roads to climate change increased, through mapping of vulnerability to climate change, adjustments in road design, implementation of bioengineering and other ecosystem-based adaptation measures, and emergency management activities

ADAPTATION ACTIVITIES

- Climate resilience-related civil works adjustments: design of road embankments and roadside ditches to reduce erosion, use of more climate-resilient materials in the road structure; use of green engineering to improve the water conservation characteristics of the watershed and divert runoff water away from the road
- Vulnerability mapping, review of and adjustments in road engineering design standards and guidelines for greater climate resilience, and training to reduce vulnerability of roads
- Bioengineering measures such as the planting of appropriate species to restore ecosystem functions
- Integration of water capture and storage systems in road construction features
- Development of a community-based emergency management system for Kampong Chhnang province



Source: Provincial Roads Improvement Project

PROJECT AT A GLANCE



Executing agency

Ministry of Public Works and Transport



Implementing agency

Ministry of Public Works and Transport



Budget

\$78.8 million (PPCR, \$7.0 million grant and \$10.0 million loan; ADB: \$52.0 million; and government: \$9.8 million)



Target provinces

Prey Veng, Svay Rieng, Kampong Chhnang, and Kampong Speu



Resilience instruments to be developed and tested

- 157 kilometers (km) of rehabilitated and upgraded roads, including 117 km of roads enhanced to climate-resilient paved condition
- Bioengineering and other ecosystem-based adaptation measures
- Community-based emergency management system for Kampong Chhnang province



Total beneficiaries (no. of women and girls)

200,000 (110,000)



Project approval date

16 December 2011



Project completion date

30 June 2018

CONTACTS

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