IE of Rural Bridge Construction in Vietnam

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Rural Bridges Project in Vietnam

1,700 Bridges in
5,237 Communes of
450 Districts of
50/63 Provinces of Vietnam
A **cầu khỉ** ("monkey bridge") in Vietnam is a handmade bamboo or wooden pass way across a stream or gully. The 1700 concrete bridges to be constructed in this project are to do away with such dangerous bridges.
Bridges will typically be rigid from 6 to 200 meters to allow motorized traffic. The IE Team comprised of members from MoT, DRVN, PDOT, and WB.
What is the impact of bridge construction on connectivity, human development, safety, and socio-economic outcomes?
Theory of Change

Interventions:
- Bridges Constructed
- Safety champion trained
- Agriculture extension support provided

Outputs:
- Travel cost and travel time reduction
- Increased traffic volume, school attendance, clinic visit, market access
- Improved job opportunities, particularly for women

Outcomes:
- Increased household income
- Better health outcomes
- Better education outcomes
Proposed IE

1700 bridges

- Treatment Group
  300 bridges, year 1

- Excluded Group from IE
  1,100 bridges year 2

- Control Group
  300 bridges, year 3
Data Sources

- Bridge Inventory data
- Bridge GIS data
- Household data
- ORMA platform
- Hamlet leader: accident, flood, trading opportunity, road & bridge interruption during raining reason,
- Design consultant review infrastructure quality
- GPS data of school, clinic, market, factory, etc
- PMU data
Timeline

Planning and design 09/2020
- Methodology
- Funding application
- Approval process

Baseline data 01/2021
- Data analysis
- Client workshop

Implementation 12/2021
- Monitoring reports
- Lessons note

Continued data collection 06/2022
- Data analysis
- Client workshop
- Technical paper
- Policy note

Final Results/Outcomes 09/2022
- Client workshop
- Technical paper
- Policy note
Our Team