

THE IMPACT FROM RURAL ROAD MAINTENANCE USING “DO-NOU” TECHNOLOGY

At the end of this paper, let us introduce the voices from the villagers along the rural road where was maintained using “Do-nou” technology as shown below.

Table 1 Result of the interview to the villagers who participated in the work

Category	Voices (Comments)
Traffic	<ol style="list-style-type: none"> 1. Number of the bike taxi on the road has increased. 2. Time taken to reach the town has become shorter. 3. The improved road enabled the motorcyclists increase the fuel mileage. 4. The fee of the bike taxi has become cheap.
Agribuisness	<ol style="list-style-type: none"> 1. The frequency of the visits of the buyers has increased. 2. The farmers become able to arrive at the market earlier in the morning , then their products command good prices. 3. The planting area of the farmers have increased, since the most of the products can be transported and sold. 4. The extention officers have visited the village more frequently because of the improved road conditions.
Group activities	<ol style="list-style-type: none"> 1. The number of the member of the group has increased. 2. The group became more cohesive and started the new self-development project, such as the new crops, fish pond and nursery. 3. The group started to transfer the Do-nou technology to the neighbors who got interested in the road maintenance.
Life	<ol style="list-style-type: none"> 1. The patient could be transferred to the hospital in time. 2. A new kindergarten has built. 3. Some people started to commute to the town near the village, since the commute time has reduced.

The farmers groups have come together and established an association to apply “Do-nou” technology to the maintenance of rural infrastructures. It is likely that road maintenance using

“Do-nou” technology may become the emerging business in rural area in developing countries for promoting the improvement of the infrastructures.

Geotechnical engineering techniques can be a key tool that can enhance the general welfare and happiness of individuals all over the world.

We would like to contribute to the happiness of more communities. Your attention to our activities is greatly appreciated.