

---

**TECHNICAL NOTE of NILIM**  
**No. 291 December 2005**

**©National Institute for Land and Infrastructure Management**

---

**International Research Division**  
**Planning and Research Administration Department**  
**National Institute for Land and Infrastructure Management**  
**Ministry of Land, Infrastructure and Transport**  
**Asahi 1, Tsukuba, Ibaraki, 305-0804, Japan**  
**TEL: +81-29-864-2675**