国土技術政策総合研究所資料

TECHNICAL NOTE of National Institute for land and Infrastructure Management

No.572

January 2010

換気塔のデザイン

福井恒明、曽根真理足立文玄、並河良治

Architectural and Engineering Design of Tunnel Ventilation Building

Tsuneaki FUKUI Shinri SONE Fumiharu ADACHI Yoshiharu NAMIKAWA



国土交通省 国土技術政策総合研究所

National Institute for Land and Infrastructure Management Ministry of Land, Infrastructure, Transport and Tourism, Japan