

## The Impact on the Network Deflectometry

**Authors :** Djamel-Eddine Yassine Boutiba

**Abstract :** In this present memory, we present the various impacts deflectometer leading to the sizing by strengthening of existing roadways. It reminds that the road network in Algeria plays a major role with regard to drainage in major strategic areas and especially in the fringe northern Algeria. Heavy traffic passing through the northern fringe (between 25% and 30% heavy vehicles) causes substantial degradations at both the surface layer and base layer. The work on site by means within the laboratory CTTP such as deflectographe Lacroix, allowed us to record a large number of deflection localized bending on RN19A (Carrefour CW73-Ain- Merane), whose analysis of the results led us to opt for a building throughout the band's project . By the recorder against HWD (Heavy Weight déflectometer) allowed us to learn about the behavior of the pavement on the banks. In addition, the Software Alize III has been essential in the verification of the increase in the thickness dimensioned.

**Keywords :** capacity, deflection, deflectograph lacroix, degradation, hwd

**Conference Title :** ICCSEE 2015 : International Conference on Civil, Structural and Environmental Engineering

**Conference Location :** London, United Kingdom

**Conference Dates :** August 20-21, 2015