

# Design of Metallic Pedestrian Bridge for Accessing to the National University of Asunción Campus, a Case Study

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## Abstract

Demographic growth in Asunción is reflected in higher levels of movement of people, important investments were made mainly in roads, making necessary to investment in infrastructure for pedestrians to improve the quality of life and safety of citizens. This project offers a safe and viable solution to pedestrians to daily cross Mariscal López Avenue in the vicinity of the access to the Campus of the National University of Asunción. It consists in an integral plan of the work and economic evaluation including individual pieces, deck modules, joints, assembly sequence, etc. The resultant structure is suitable for being manufactured entirely by the local manufacturers complying with the technical national and international specifications. The structure was modeled in a calculation software with loads specified by AASHTO standards with the TEKLA Structures Software.

## Keywords

Pedestrian Bridge, AASHTO, TEKLA, Metal Structure

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