

TRANSPORTATION AND SUSTAINABILITY FOR A MEXICAN NORTH BORDER CITY

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ABSTRACT

Transportation provides multiple benefits in means of goods, access to services, a mobility of people and merchandise, but it is also the cause of an important number of environmental, economic, and social costs. Externalities associated with transport, include, but are not reduced to air pollution emissions, greenhouse effect gases, accidents, noise, and traffic congestion. The challenge to measure the impact and interactions that transport produces as a basic activity of connectivity mainly in urban areas while including sustainability principles such as accessibility, mobility, economic efficiency, urban planning, and equity, enable the development of this type of evaluation as an analysis instrument. This work addressed the state of the art in sustainable transportation while defining its main principles. Starting from this, the criteria hierarchy was performed, resulting in the priorities to implement in the city of Mexicali, Baja California, México.

KEYWORDS: Transportation, Sustainability, Assessment & Hierarchization