

عنوان مقاله:

Integrating Landscape, Ecology and Urbanism in Urban Transportation Corridors Planning and Design:
Measuring Infrastructure Sustainability in Melbourne's EastLink

محل انتشار:

سیزدهمین کنفرانس بین المللی مهندسی حمل و نقل و ترافیک (سال: 1392)

تعداد صفحات اصل مقاله: 13

نویسنده:

Mahdi Khansefid - *PhD Candidate in Landscape Architecture Faculty of Architecture Building and Planning, University of Melbourne, Victoria, Australia*

خلاصه مقاله:

The interrelationships between ecological and landscape urbanist approaches and engineering practice in planning, design and delivery of transportation corridors, i.e. urban highways are studied in the current research. The aim of the research is to link theories of landscape, ecology and urbanism to infrastructure projects to find out how and to what degree these can be integrated in planning, design, construction, and operation process and help the project sustainability. In order to determine the values of urban built infrastructure, specifically movement corridors, at the scale of an urban project, and measure the sustainability criteria for that, a case study is conducted on EastLink, a large scale infrastructural transportation project in Melbourne, Australia, to present a framework for observing and mapping actual design and delivery process. The case study is done using Infrastructure Sustainability (IS) rating scheme developed by the Australian Green Infrastructure Council (AGIC). As a result, the research presents an approach for urban infrastructural projects based on the sustainable development principles and provides a framework for assisting planner, designers, and builders of urban infrastructure to enhance them from an ecological and urban perspective in interaction with other urban land uses for multiple functions at regional and local scales.

کلمات کلیدی:

infrastructure, transportation corridor, landscape, ecology, urbanism, sustainability

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/259559>

