

REVIEWER'S REPORT

Manuscript No.: IJAR-51609

Date: May 14, 2025

Title: MEASURING SPATIAL ADAPTABILITY ALONG BRT CORRIDORS: WHY FORM, REGULATION, AND ACCESSIBILITY MUST BE MEASURED TOGETHER

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		X		
Techn. Quality		X		
Clarity		X		
Significance		X		

Reviewer Name: Lakhdar Guerine

Date: May 14, 2025

Reviewer's Comment for Publication.

(To be published with the manuscript in the journal)

The reviewer is requested to provide a brief comment (3-4 lines) highlighting the significance, strengths, or key insights of the manuscript. This comment will be Displayed in the journal publication alongside with the reviewers name.

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Detailed Reviewer's Report

International Journal of Advanced Research

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This research examines methods for measuring spatial adaptability along Bus Rapid Transit (BRT) corridors in the urban setting of Guatemala. The research highlights that this adaptability is based on three complementary dimensions:

1. The urban model (density, land use, building configuration),
2. Legislation (zoning, land restrictions),
3. Ease of access (travel time, connections, distance to services).

The researchers suggest a methodological approach for evaluating these three elements jointly at the local level to better understand urban areas' ability to adjust to the transformations brought about by transport infrastructure such as BRT.

Strengths :

1. Relevant study context: Guatemala, faced with rapid urbanisation and public transport needs, represents an intriguing subject for study that is still largely unexplored in the literature.
2. Integrated and innovative strategy: The union of the three aspects (form, regulation, accessibility) to assess adaptability is unique and conceptually robust.
3. Detailed description of methodology: Use of geospatial analysis (GIS), numerical indicators, and normative data appropriate to the urban level.
4. Practical vision: The work is action-oriented and can serve as a guide for urban leaders.

Weaknesses

1. Lack of detailed empirical validation: Although the methodology is sound, the paper would greatly benefit from more tangible results from practical applications or post-BRT evaluations.
2. Limited mapping and visualisation: The application of spatial maps and graphs could be improved to deepen the analysis of the territory.
3. Language is sometimes too technical: Some sections could be simplified to make them easier for practitioners to understand.
4. Insufficient comparison: The text could better contextualise Guatemala's experience by comparing it with other Latin American cities that have set up BRTs (e.g. Bogotá, Mexico City, Lima).

This work is likely to be published after **minor modifications**.

The paper proposes a relevant, innovative, and applicable theoretical and methodological framework. It is a relevant contribution to the study of urban planning, transport, and land use, specifically for the fast-growing cities of Latin America. With a few empirical and visual modifications, it is perfectly qualified for publication in an international academic journal such as IJAR.