

*Transportation Research Part A:
Policy and Practice (IF:6.615)*

CALL FOR PAPERS

SPECIAL ISSUE

Frontier research on roadside rest areas: Beyond transport policy

Interested authors are invited to send their papers to this special issue via the Transportation Research Part A: Policy and Practice online submission system before 30th September 2023. Please find more details by scanning the QR code.



Key dates

- 30th September 2023: Deadlines for submission of full papers
- 30th October 2023: first decision and out for review
- The second half of 2024: Publication of special issue



**Guest
editors**

- Prof. Junyi Zhang: School of Transportation, Southeast University; zjy890321@outlook.com
- Assis. Prof. Linghan Zhang: School of Tourism Management, Sun Yat-sen University; zhanglh73@mail.sysu.edu.cn

Call for papers

Frontier research on roadside rest areas: Beyond transport policy

<https://www.sciencedirect.com/journal/transportation-research-part-a-policy-and-practice/about/call-for-papers>

Scope:

All roadside rest areas allow drivers to take a rest for managing driving fatigue and obtaining up-to-date traffic information, while more and more roadside rest areas are developed for providing non-traffic functions/services such as restaurants, shops, parks, playgrounds, and barbeque spaces, supported by local communities. In other words, roadside rest areas are a place to directly connect road users and local communities, and the development of roadside rest areas can support the development of neighboring regions. Roadside rest areas can also be used as a place for evacuation of local residents during a disaster. While roadside rest areas at different locations/regions may have different combinations of the above functions, it is crucial to make sure whether providing multiple functions can always be economically justified. The recent development of roadside rest areas has been further coupled with a series of problems, such as aging facilities, lack of attractive functions, and sameness among regions, leading to a decline of users and the resulting unsustainable operation of roadside rest areas. Unfortunately, research on roadside rest areas with multiple functions has not been paid sufficient attention in the literature, leading to the lack of scientifically sound evidence about the effectiveness of well-designed and traveler-friendly roadside rest areas to adequately reduce drowsy driving and the resulting traffic accidents. It is not clear, either, how to attract more road users to manage driving fatigue and make consumption of goods, activities and services provided at roadside rest areas and how to encourage neighboring communities to be actively involved in the development of roadside rest areas. Thus, now is a good timing to revisit the research on the development of roadside rest areas from various angles. Such an attempt is expected to derive insightful findings into transport policy by targeting the stop function of road transport.

This virtual special issue welcome papers what address, but not limited to, the following key research questions.

Any topics related to these questions are welcome. In line with the journal scope, the papers must have a clear policy concern or be of interest for practice, and must be based on solid research and good quality data.

Planning aspects

- *Location and density*: Where and how to locate roadside rest areas within regional road transport networks? How closely should a rest area be located to the center of the local community?
- *Functions/services and capacities*: How to determine traffic and non-traffic functions/services and capacities of roadside rest areas in an economically justified way?

- *Demand prediction*: How to predict the traffic and service demand of using roadside rest areas?
- *Financial sustainability*: How to construct and operate roadside rest areas in a financially sustainable way (e.g., PFI (Private Finance Initiative), PPP (Public Private Partnership))?
- *Stakeholder involvement*: How to involve different stakeholders in the development of roadside rest areas?

Use of roadside rest areas

- *Driving route choice*: Whether and how much are the presence of roadside rest areas and different functions of roadside rest areas associated with drivers' route choices?
- *Activity and time use*: How do different types of road users (e.g., local residents, general road users, leisure and tourism) spend time at roadside rest areas, by associating with , considering travel plan and available travel time?

Added values

- *Rescue and evacuation functions*: How to make use of roadside rest areas for supporting rescue of traffic accident victims and during-disaster evacuation?
- *Amenities*: What kinds of user-friendly amenities should be equipped at roadside rest areas? Whether and how could various amenities attract more people to visit roadside rest areas?

Psychological aspects

- *Satisfaction*: How are different types of road users satisfied/dissatisfied with transport and non-transport functions of roadside rest areas, and whether such (dis)satisfaction affects revisit intention or not?
- *Future visit intention*: Whether and how is the locality associated with roadside rest areas influential to the visit behavior and intention as well as recommendation of roadside rest areas to other people?
- *Willingness to pay*: How are road users willing to pay for the added values (or improved functions/services) of roadside rest areas in terms of accessibility/convenience, interactions with both natural and built environment, etc.?

Sustainable development

- *Environmental and ecological impacts*: How to address environmental and ecological impacts of the construction and management of roadside rest areas during the whole policymaking process?

- *Social and economic development*: How to make use of roadside rest areas for regional revitalization?
- *Resilience*: How to make use of roadside rest areas for supporting the resilient development of local communities?

Guest editors:

Prof. Junyi Zhang: School of Transportation, Southeast University

E-mail address: zjy890321@outlook.com

Assis. Prof. Linghan Zhang: School of Tourism Management, Sun Yat-sen University

E-mail address: zhanglh73@mail.sysu.edu.cn

Manuscript submission information:

Submitted articles must not have been previously published or currently submitted for journal publication elsewhere. For publication, all final submissions must be original. Submission process and papers must adhere to the normal author guidelines of *Transportation Research Part A: Policy and Practice*, which can be found at:

<https://www.elsevier.com/journals/transportation-research-part-a-policy-and-practice/0965-8564/guide-for-authors>

All submissions to this SI should be submitted via the *Transportation Research Part A: Policy and Practice* online submission system:

<https://www.editorialmanager.com/ytra/default1.aspx>

When you submit your paper to this SI, please choose article type “**Roadside rest areas**”. Otherwise, your submission will be handled as a regular manuscript.

Submission deadline of manuscript for the special issue is 30th September 2023.

Keywords:

roadside rest areas, added values, driving safety, route choice, activity and time use, consumption, psychological factors, regional revitalization, financial sustainability, stakeholder involvement