

NCHRP 20-68A US Domestic Scan Program

Scan 10-02 Best Practices for Addressing Access and Parking Needs of Non-Resident Users of Rail and Intermodal Transportation Stations in Transit-Oriented Developments

Topic Description

Such issues as climate change, livable communities, sustainable development, and volatile fuel prices have increase public demand and legislative support for better coordination of transportation investment and land use management. Transit-oriented developments (TODs) are being promoted in many jurisdictions as a specific way to address many of the issues. A TOD is typically a compact area of mixed-use development, designed to encourage use of public transportation facilities such as rail stations and bus-rapid-transit services. TODs typically are planned with supportive standards for land uses, building density, and pedestrian-friendly to create attractive and walkable environments and easy access to public transportation services. Automobile parking, especially street-level parking, is limited by design and by the compactness of the TOD. Land above or adjacent to the transit station is deemed prime real estate for office, retail and residential purposes, and local authorities may entice developers to participate by permitting them to provide fewer parking spaces for TOD properties than would be required for developments elsewhere.

Increased demand for transit services extends beyond the TOD, however, leading to increased demand for parking near the train station or transit center. Traffic and parking by public-transportation users who are not TOD residents or customers can create congestion, safety hazards, and access difficulties. The goal of this scan will be to study TODs that have been particularly successful in resolving this conflict and accommodating the interests of non-resident users of the transit stations, the transit-service operator and funder, and the municipality in which the TOD is located, as well as developers, property owners, and occupants of the TOD.

The scan team will explore how TODs are designed to accommodate the parking needs of commuters who do not live within the TOD or the municipality in which the intermodal transportation facility is located, particularly

- Physical location and design of parking for public transit users
- Structures of parking fees for transit users versus shoppers and visitors to the TOD
- Ownership, regulation, management, and maintenance of parking for rail or intermodal transportation facilities users
- Structure and key provisions of development and management agreements or contracts with the various involved parties
- Key information to be considered in planning for a TOD.

Original Scan Proposal Title(s): Best Practices for Addressing Access and Parking Needs of Non-Resident Users of Rail and Intermodal Transportation Stations in Transit-Oriented Developments

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Execution Schedule

Milestone	Anticipated Date
Chairs and Team Members Identified	March 2012
Desk Scan Completed	August 2012
Prescan Meeting Held	August 2012
Scan Conducted	February 2013
Draft PowerPoint submitted by SME	March 2013
Draft Report Delivered to NCHRP and Panel	May 2013
Final Report Delivered to NCHRP	October 2013

Estimated Scan Cost and Funding

Duration: this scan is anticipated to be conducted as a workshop

Last Reviewed/Revised September 16, 2013