New trends in TOD planning

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TOD is traditionally an origin...
The 3 R’s of TOD planning...

- Residential
- Retail
- Restaurants
Residential TOD as a place to live
Retail: TOD as a place to shop
Restaurants: TOD for eating and entertainment
But what about TOD as a destination?
Two new trends:
- Employment-based TOD
- Mobility Hubs
Employment-based TOD

2011 study:

Most employment-based TOD is located in suburban areas.

Higher density employment centers are good places to introduce other types of land uses.
Employment-based TOD: Commercial/office
Employment-based TOD: Industrial
Employment-based TOD: Live-work
Employment-based TOD: Innovation Districts
- anchor institutions partner with startups
- physically compact and transit accessible
- offer mixed-use housing, office, and retail
Employment-based TOD: Innovation Districts

"manifestation of mega-trends altering the location preferences of people and firms, and, in the process, re-conceiving the very link between economy shaping, place making, and social networking"
Employment-based TOD: Innovation Districts

- Pittsburgh Eco-Innovation District
  (public-private partnership to attract new development in Uptown area)
Employment-based TOD: Innovation Districts
- Drexel University/Philadelphia: University City to partner with universities and research institutions, with a mixed-use village
Employment-based TOD: Innovation Districts

- Boston Innovation District, an “urban laboratory” to attract start-up entrepreneurs
Employment-based TOD: Innovation Districts

-Syracuse Connective Corridor, connecting higher education with the Syracuse Technology Garden (incubator facility)
Mobility Hubs: A Place to Connect
What is a Mobility Hub?

- A strategic point of intersection on the regional transportation network that accommodates a higher intensity of use and degree of seamless connections.
What is a Mobility Hub?

- A **central** place where **seamless connections** are made between multiple forms of transportation with a priority placed on pedestrian connections.
What is a Mobility Hub?

- A place where buildings and transit interact effectively and efficiently with streets.
What is a Mobility Hub?

- A vibrant place in with a concentration of uses, including employment, living, shopping and a mix of highly connected public and private accessible spaces.
What is a Mobility Hub?

- A high tech mini-transportation center that is integrated into a transportation network where different modes connect or intersect. It provides 24/7 electronic access to transportation options (bus, rail, bicycle, car sharing, taxis), an “electronically hip” convenience stores for travelers.
Where are Mobility Hubs located?

Largest concentration: Toronto

- 51 planned or implemented throughout metro area
- Typologies developed for different densities, transit routes, development potential
Where are Mobility Hubs located or planned?

• Boulder
• Fort Lauderdale
• Los Angeles
• Tysons Corner
• Nantes
Lessons Learned: 3 Toronto Area Hubs

- **Put pedestrians first**
  - Prioritize pedestrian routes
  - Keep block sizes – and distances between pedestrian crossings – reasonable
  - Plan streets for active pedestrians, including street furniture and sidewalk widths
  - Build a sidewalk network that provides good access to both origins and destinations
Lessons Learned: 3 Toronto Area Hubs

- Look for low-cost ‘quick wins’
  - Signage and striping
  - Bicycle facilities
  - Wayfinding
Lessons Learned: 3 Toronto Area Hubs

- **Optimize auto and bus flow**
  - Re-time traffic signals to maximize flow
  - Focus on peak demand times
  - Consider the entire network
Lessons Learned: 3 Toronto Area Hubs

- Integrate land use with transportation
  - Make the station a community amenity, not just a transportation center
  - Design transit and adjacent areas as multi-purpose spaces that can be used for other activities in off-peak periods