

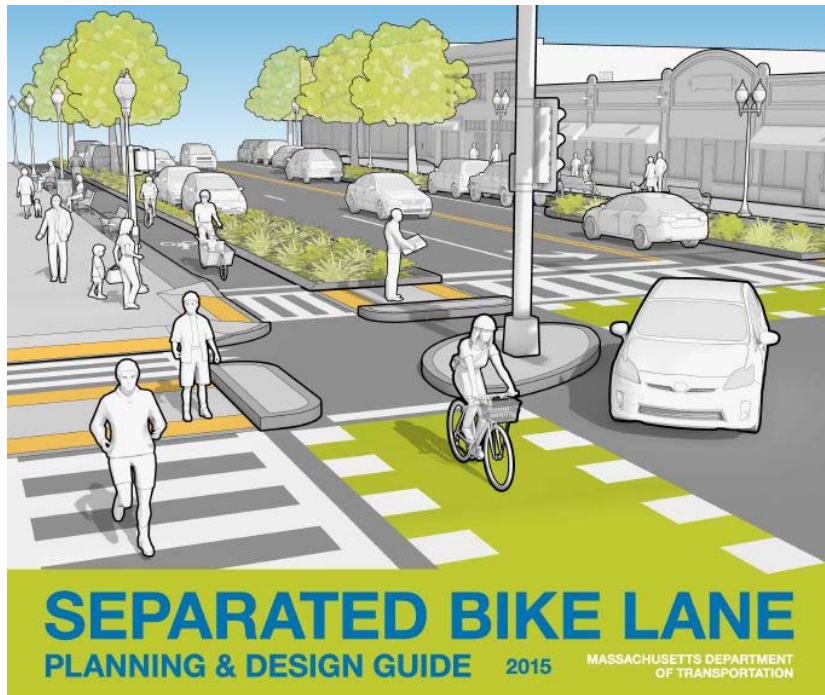
45 Townsend Street

- Agenda:
 - Project traffic mitigation measures:
 - Original proposal
 - Revised proposal
 - Area improvements by Boston Transportation Department (BTD)
 - City of Boston Slow Streets Program

Transportation Changes to Project Based on Community Input

Original Proposal	Community Concerns (highlights)	Current Proposal
322 apartments	Number of apartments proposed	300 apartments
220 vehicle parking spaces	Number of parking spaces vs. apartments	More parking per apartment
220 vehicle parking spaces	Number of parking spaces vs. apartments	More parking on both sides of Townsend St.
Café/co-working space	More traffic on neighborhood streets	Café/co-working space removed
Distance to Jackson Square MBTA	More traffic on neighborhood streets	Shuttle provided to Jackson Square
Traffic study scope	More traffic on neighborhood streets	3 more intersections studied
Improvements to intersections on Washington Street	More traffic on neighborhood streets	1 more Washington Street intersection added
	More traffic on neighborhood streets	Improvement to Walnut Street/Munroe Street
	More traffic on neighborhood streets	Improvement to Walnut Street/Townsend Street
	More traffic on neighborhood streets	300 resident bicycle parking spaces
	Cut-through traffic/Higginson School access	Improvement to Walnut Street/Harishof Street
	Cut-through traffic/Higginson School access	Improvement to Holworthy Street/Denison Street

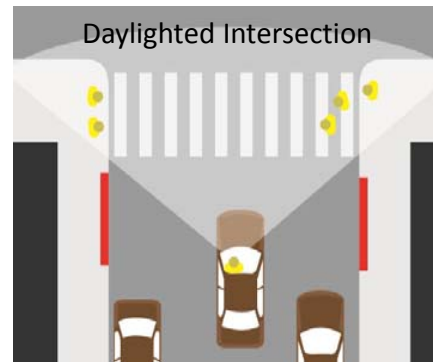
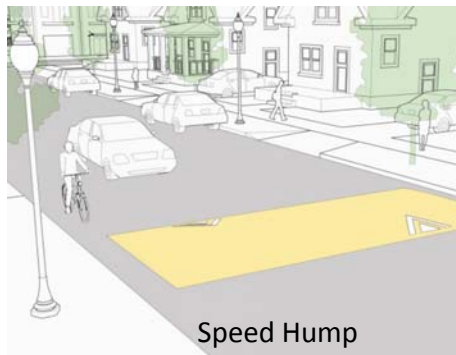
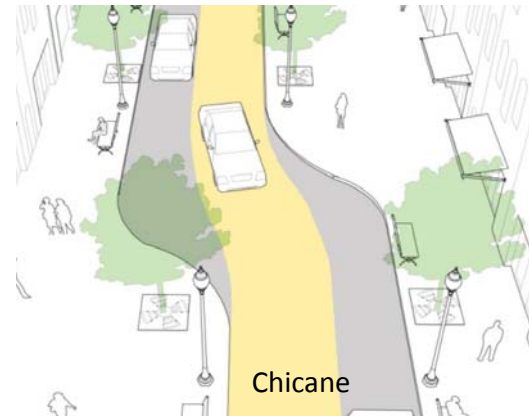
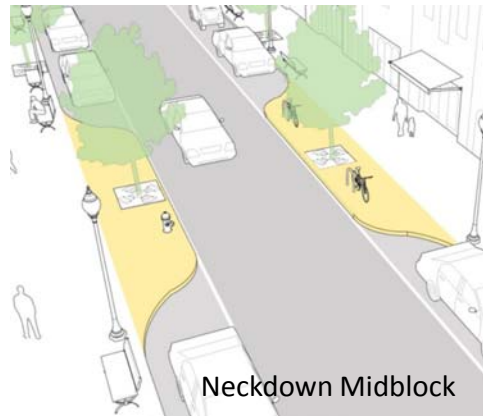
Complete Streets



- Design guidelines adhered to by:
 - City of Boston (BTD)
 - MassDOT
- Key principals:
 - Multimodal – make the street safe for all users
 - Green – reduce environmental impacts
 - Smart – make use of new technologies to improve transport

Complete Streets Elements:

Traffic Calming

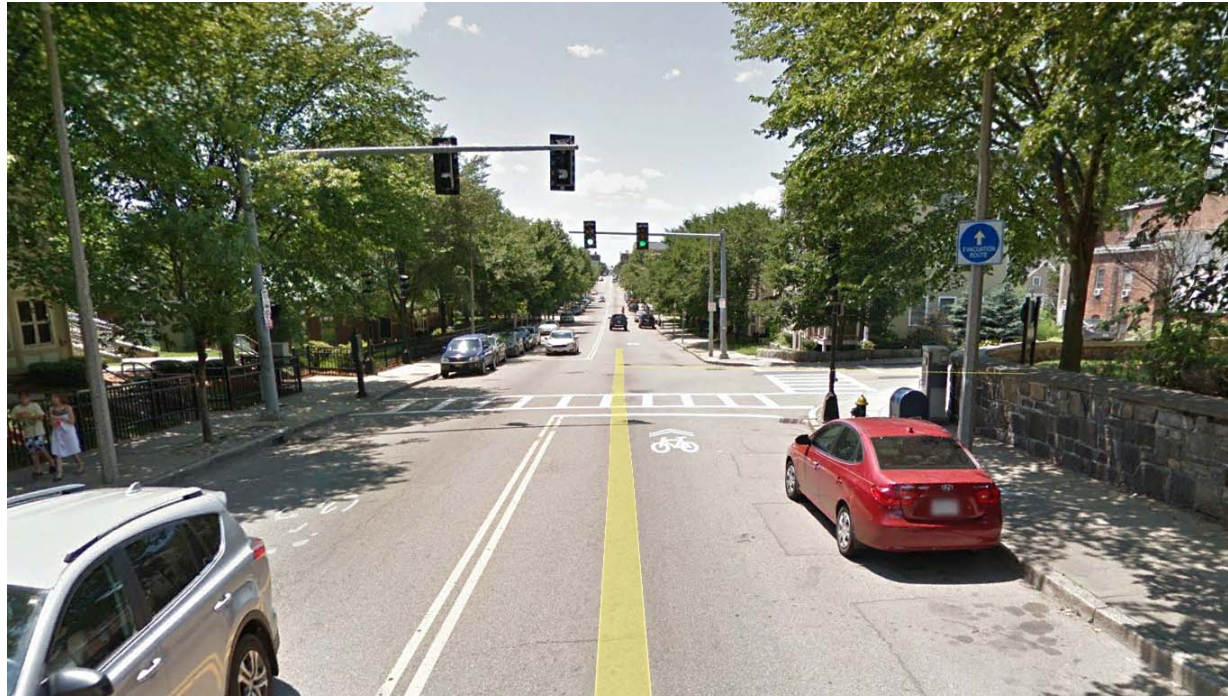


Circuit Breaker Streets

City of Boston:

Slow Streets

- *“Boston's approach to traffic calming on residential streets”*
- A way for neighborhoods to implement traffic calming on residential roadways
- Two rounds of applications and funding to date:
 - 2017
 - 2018
- 2019 applications are not open yet
 - www.boston.gov/departments/transportation/neighborhood-slow-streets
 - Connect with Mayor's Office of Neighborhood Services:
 - Joshua McFadden - JOSHUA.MCFADDEN@BOSTON.GOV - 617-635-3296



Washington Street/Dimock Street
Signal coordinated with Washington Street @ Brinton Street & MLK Jr. BLVD



Washington Street/Brinton Street
Signal coordinated with Washington Street @ Dimock Street & MLK Jr. BLVD



Washington Street/MLK Jr. BLDV
Signal coordinated with Washington Street @ Brinton Street & Dimock Street



Walnut Street/Munroe Street – Add Improvements



Walnut Street/Townsend Street – Add Improvements

Traffic Engineering

- Key components:
 1. **Trip generation**: how many new vehicle trips will a new land use make?
 2. **Trip distribution**: how will the new vehicle trips get where they want to go?
- How are these numbers figured out?

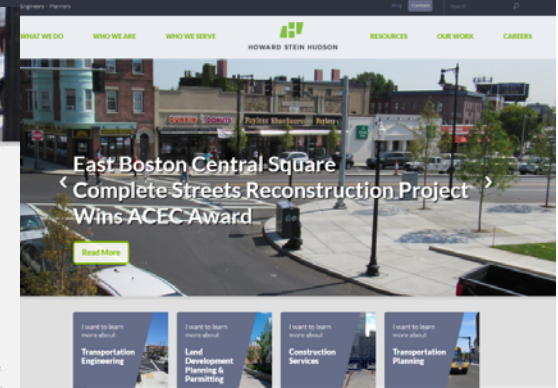
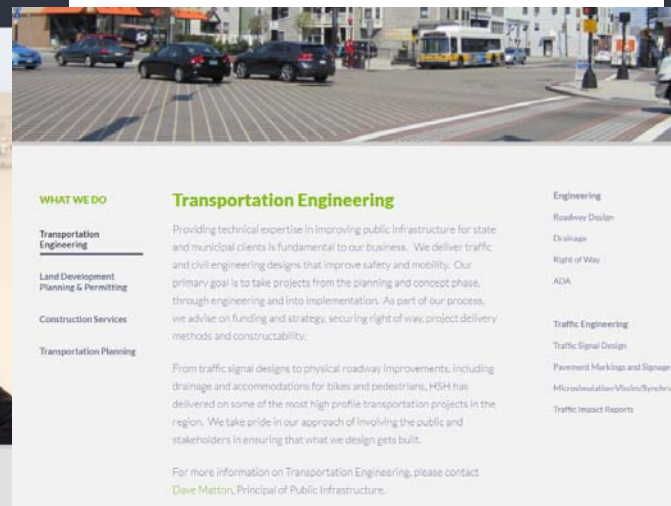
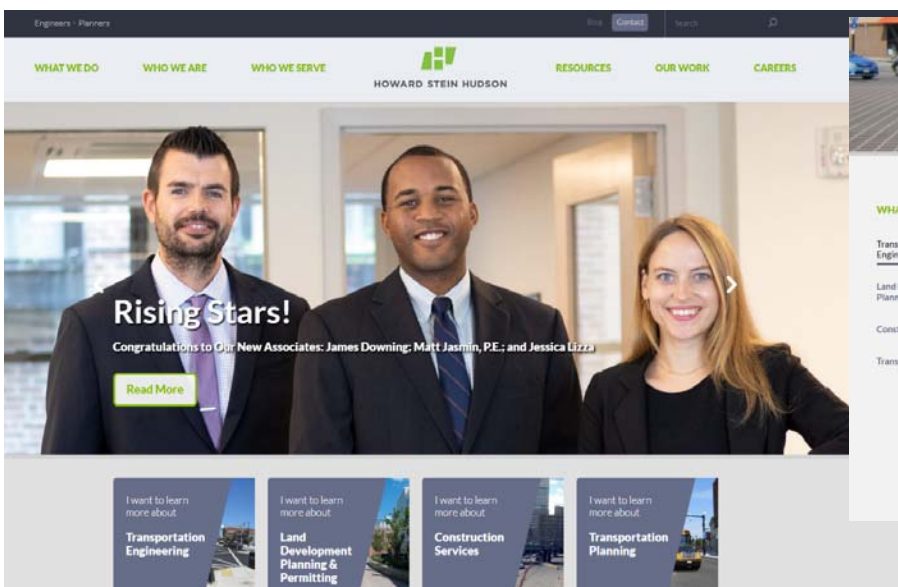
Trip Generation

- Institute of Transportation Engineers (National Organization)
Trip Generation Manual 10th Edition
- Contains trip generation rates for a wide assortment of land uses:
 - Apartments
 - Single family homes
 - Supermarkets
 - And much, much more
- Apartments: **on a per unit basis**
- Trips are then subject to **mode split calculations** ratios from BTD
- The result is a projection of:
 - **AM and PM peak hour trips** by vehicle, transit, and walk/bicycle

Trip Distribution

- Based on **BTD observations** and US Census **Journey to Work Data**
- **BTD assigns** AM and PM peak hour vehicle trips to directions/roadways in and out of Boston.
- Subject to professional judgment based on:
 - Knowledge of the roadway network
 - Traffic and travel patterns
 - How close MBTA stations are to a project

HOWARD STEIN HUDSON



Clients

- MassDOT
- Cities and towns statewide:

- *Boston*
- *Chatham*
- *Milton*
- *Springfield*
- *Quincy*
- *Worcester*

Services

- Transportation Planning
- Transportation Engineering
- Land Development
- Planning & Permitting
- Public Involvement

- Boston-based firm
- Founded 1987 by Jane Howard and Kathy Stein
- 75 staff across 3 offices
- 5 trained traffic engineers