# Huron Avenue Reconstruction Community-wide Meeting #2 6/26/12



CITY OF CAMBRIDGE
COMMUNITY DEVELOPMENT DEPARTMENT

**Environmental & Transportation Planning** 

and Williams

http://huronavenue.info

# **Agenda**

- Welcome/ Project
- The community input process
- City policies
- Preliminary project goals
- Street design tools
- Questions
- Community input: positives and negatives about Huron Ave.

Break out session

Report back

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# The Project

Kara McSweeney Falise, PE Engineering Project Manager Department of Public Works

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# **Alewife Brook Sewer Separation Project**

- Court-ordered clean up of Boston Harbor requires implementation of the Long Term Control Plans for Combined Sewer Overflow (CSO) for Alewife Brook
- Opportunity for improved neighborhood infrastructure



# Huron/Concord Project Areas

- Sewer Improvements on all 3 contracts complete by December 2015
- Surface restoration complete by 2016

### Sewer Separation Will:

- Eliminate CSOs from this neighborhood
- Improve stormwater quality discharges to Alewife Brook
- Marginal improvement on local flooding





# **Huron B Project Scope**

### **•UTILITY IMPROVEMENTS**

Sewer main construction and rehabilitation

Installation of new pipes and manholes

City water main pipes, hydrants and services (replace lead services with copper)

 Private Utility Upgrades and Repairs





# **Huron B Project Scope**

## STREET & SIDEWALK IMPROVEMENTS

- New pavement and accessible sidewalks
- Enhanced pedestrian safety (traffic calming)
- Healthy tree canopy
- Water Quality Improvements



# **Huron B Project Schedule**

May 2012- Design Process

June 2013 Subsurface Utility Design

-Residential Street Surface Design Huron Ave Surface Design

Jul. 2013 Anticipated Start of

Construction

Nov. 2014 Anticipated Completion of

Construction

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# **Residential Streets Design Schedule**

## Community Meetings:

- Wednesday, June 27<sup>th</sup>:
   Huron B South Residential
   Streets
- Thursday, June 28<sup>th</sup>,
   Huron B North Residential
   Streets
- Next Round of Meetings in September 2012

# Field Investigations

 Boring Program to Begin July 2012



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# **Huron Avenue Design Schedule**

May 2012 Survey work done

June 2012 Begin community process

Sep. 2012 Conceptual design options

presented to the community for

feedback

Nov. 2012 Conceptual design selected

Feb. 2013 Engineering design complete

Jul. 2013 Construction begins

Nov. 2014 Construction is completed

Surface Redesign Community Process

## Jeff Rosenblum, PE

Environmental & Transportation Planning Community Development Department

## Outreach

- Survey
- Community-wide public meetings

June 2012: Community input

Sept. 2012: Conceptual design options shown

to the community

Nov. 2012: Conceptual design selected

- Walks of Huron Avenue
- "Office hours"
- Website: http://huronavenue.info
- Make sure we have your contact info!

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# Huron Avenue is a...

- Regional roadway and
- Neighborhood street and
- Retail district and
- Front yard.

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# City Policies

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# Growth Policy Document (1993, 2007)

# Policy #22

 Undertake reasonable measures to improve the functioning of the city's street network, without increasing through capacity, to reduce congestion and noise and facilitate bus and other non-automobile circulation.

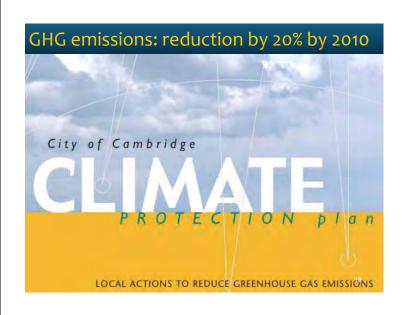
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# Growth Policy Document (1993, 2007)

# Policy #23

 Encourage all reasonable forms of nonautomotive travel including, for example, making improvements to the city's infrastructure to support bicycling and walking. **Vehicle Trip Reduction Ordinance (1992)** 

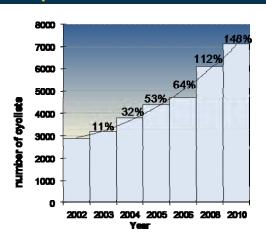
- Established bicycling and walking programs, planning, and funding
- Requires interdepartmental coordination

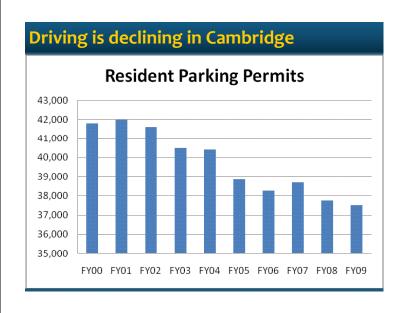






# Bicycle trips more than doubled



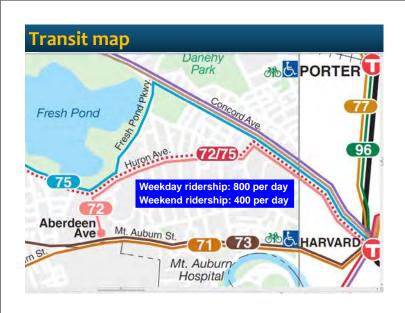


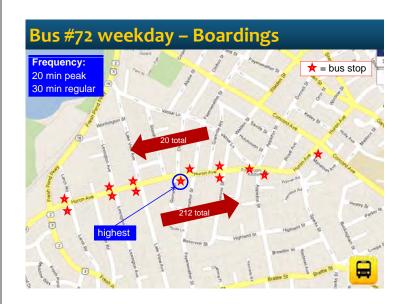
# Draft Project Goals

- Safety
- Mobility
- Urban design

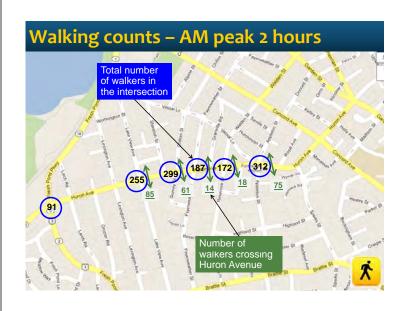
# Surface design: Preliminary project goals Safety • Ensure safety for all users • Improve conditions for walking, bicycling, and transit riders • Design for safe traffic speeds Mobility • Provide access for persons with disabilities \* • Consider traffic flow and parking • Improvements for bus stops Urban Design • Reinforce residential character • Enhance business district character • Improve trees/ landscaping























# **Parking**

- Current parking regulations map (see map at tables)
- Parking utilization study (currently underway)

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# **Huron Village business district issues**

- Access to stores / parking
- Huron Village Identity: look and feel
- Pedestrian safety
- Active sidewalks (e.g., café tables)
- Potential "Bike Share" location

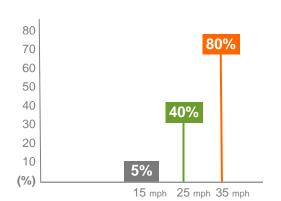
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# Street Design Goals

- Satety
- Mobility
- Urban design

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# Speed kills - pedestrian probability of death



Source: Pasanen (1992) http://tinyurl.com/yuohsg

# **Design goals: SAFETY/COMFORT**

- Transit riders
  - Quality bus stops
- Pedestrians
  - Slow traffic down
  - Cars yield to waiting pedestrians
  - Sidewalk conditions
- Cyclists
  - Good intersection design
  - Designated travel space
- Drivers

Good visibility at intersections

# **Design goals: EFFICIENT**

- Transit riders
  - Reduced travel time
- Pedestrians

Short wait time for crossing, short crossing distance Convenient crossing locations

- Cyclists
  - Travel available along desired routes / turns
- Drivers

Maintain roadway vehicle throughput Minimize travel time (minimize delays)

Available parking

# Design goals: PLEASING

- Transit riders
   Pleasant waiting area
- Pedestrians
   Quality walking space
- Places to gather and rest
- All

Enjoyable to look at and travel through Trees and landscaping

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# Street Design Tools

# **Tools for slowing traffic**

- Road diets (lane reduction)
- Narrower roadway
- Narrower travel lanes
- Chicanes

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# Road Diet: Massachusetts Avenue, 1996 BEFORE AFTER AFTER 46







# **Pedestrian crossings**

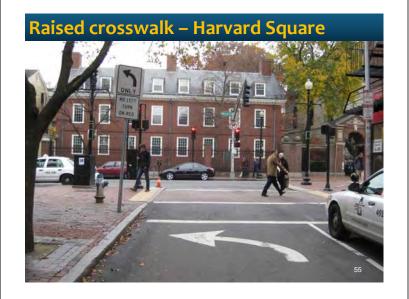
- Curb extensions
- Raised intersection
- Raised crosswalk
- Crossing islands















# **Bicycle facilities**

- Traditional bicycle lanes
- Separated bicycle lanes
- Contra-flow
- Intersections













# **Bus stops**

- Distance between bus stops
- Bus stop curb extension
- Benches
- Shelters



# "Green Streets"

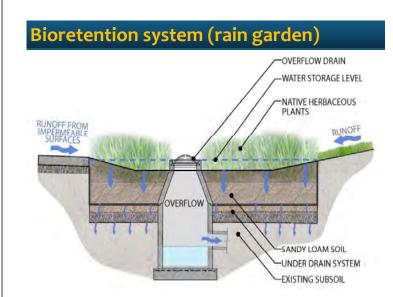
- Reduce paved surface
- Permeable surface
- Rain gardens / bioretention systems

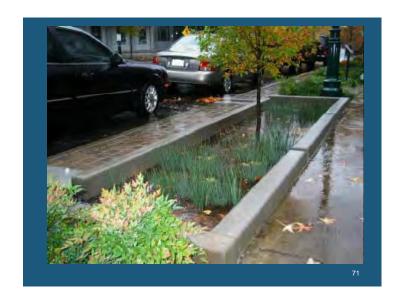
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# Integrated storm water management

- Reduce quantity of water entering the stormwater system
- Improve quality of water entering the stormwater system









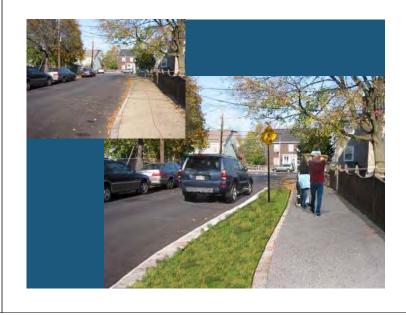






















# Questions

# **Community Input**

# Break out session (30 minutes)

- 1. Fill out questionnaire individually
- 2. What do you like about Huron Avenue? What don t you like? Identify opportunities for improvement.
- 3. Observations, write on map
- 4. Summarize group

Report back (30 minutes)

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# What's next?

- Survey
- Community-wide public meetings

June 2012: Community input

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Nov. 2012: Conceptual design selected

- Walks of Huron Avenue
- "Office hours"
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