Tonight’s Workshop

- Welcome & Introductions (10 minutes)
- Revised Conceptual Design (20 minutes)
- Break-out Groups (45 minutes)
- Report Back (15 minutes)
GOALS OF TONIGHT’S WORKSHOP

#1: Share refined proposal for street reconfiguration

#2: Get your feedback on priorities for additional improvements and the look of streetscape amenities
PROJECT OVERVIEW
Project Overview

Project Team

Community Partners
Project Overview

Project Limits

Castro Street from Market to 19th Street

Including Castro Street’s intersections with 18th, 19th, and Market Streets
Project Overview

Schedule

Planning Phase

- November - December 2012: Develop draft conceptual design informed by community input and staff analysis
- January - Early April 2013: Public workshops and design refinement
- April 2013: Finalize conceptual design / Environmental Review
- Late April/Early May: Final Community Open House

Preliminary Design/Construction Phase

- May - October 2013: Detailed design / Project Advertisement
- January - October 2014: Construction
Project Overview

Budget

- Project budget: $4 Million + SFMTA contribution
- Source: 2011 Road Repaving and Street Safety Bond
Overhead Catenary Wires

Working closely with SFMTA to ensure Overhead Catenary Wire (OCS) system is integrated into the new street design.
INITIAL DESIGN & PUBLIC FEEDBACK
Workshop #1 Summary

January 23, 2013
Eureka Valley Recreation Center

- Over 150 attendees
- 72% associated with 94114 zip code
- 140 surveys submitted by Feb 11
Workshop #1 Summary

Conceptual Design Presented at Workshop #1
Workshop #1 Summary
Typical Mid-Block Street Sections Presented at Workshop #1

EXISTING

DRAFT PROPOSAL

 +/- 10 ft.

 +/- 10 ft.
Workshop #1 Survey Results
Overall Design

What do you think of the draft conceptual design for Castro Street?

- **Strongly Like**: 76%
- **Somewhat Like**: 17%
- **Somewhat Dislike**: 4%
- **Strongly Dislike**: 3%

Over 93% of survey respondents like the design.
The majority of survey respondents chose Market & Castro as their highest priority for intersection improvements.
Workshop #1 Survey Results
Market & Castro Improvements

91% liked the idea of a realigned crosswalk connecting the NE and SE corners of Market/Castro

Strongly Like 28%
Somewhat Like 63%
Somewhat Dislike 5%
Strongly Dislike 4%
87% liked the idea of a reconfiguring west-bound access to 17th Street from Market Street
Workshop #1 Survey Results
Corner bulb-outs

The majority of survey respondents want to see bulb-outs at both the 19th Street and 18th Street intersections.
67% liked the idea of relocating the 18th Street bus stops and adding bus bulb-outs.

- Strongly Like: 40%
- Somewhat Like: 22%
- Somewhat Dislike: 11%
- Strongly Dislike: 27%

**DRAFT Castro Street Design Proposal**

1" = 40'    January 23, 2013  Conceptual diagram; Exact measurements to be verified in field
Workshop #1 Survey Results
Streetscape Enhancements

What streetscape elements are you top priorities? (select three)

- Street Trees: 61%
- Jane Warner Plaza Improvements: 39%
- Sidewalk Greening: 30%
- Mini Plaza 400 block: 29%
- Crosswalk paving: 24%
- Sidewalk paving: 20%
- Sidewalk Seating: 19%
- Mini Plaza 500 block: 17%
- Bike Racks: 15%
- Gateway Median at Castro/19th: 14%
- Wayfinding Signage: 11%
- Public Art: 10%
- Parking Lane Paving: 2%

Street Trees were the #1 streetscape element selected
Workshop #1 Survey Results
Streetscape Enhancements

Street Trees, Special Crosswalk Paving, and Jane Warner Plaza were the top three streetscape elements selected when asked to chose a #1 top priority.
CITY ANALYSIS
Traffic, Parking & Loading Study

Castro/18th Street Intersection Scramble

Pros:
- Reduced conflicts between turning vehicles and pedestrians

Cons:
- Increased pedestrian delay and crowding at corners
- Muni delays
- Long traffic queues on 18th Street
Traffic, Parking & Loading Study

- Estimated net reduction of 1 parking space
- 7 new loading zones clustered to accommodate larger trucks
- Shortening parking stall lengths to maximize parking supply
- Shifting motorcycle parking from east to west side of Castro Street
- Loading zone hours TBD based on merchant feedback
Grading

Topographic survey and grading study conducted by DPW

Redesigned street will have a more gradual crown

Corrects risk of trucks tilting toward curb in parking lane
Public Life Study

Pedestrian Counts

Saturday Pedestrian Volumes, by Street

[Leland Ave, Irving, Valencia St, Castro - 500 Block, 18th Street-West, 18th Street-East, Market St, West, Columbus Ave, Castro - 400 Block 2013, Castro - 400 Block 2008, Market St, East, Market St, Central, Jefferson St, Harbor]
Public Life Study

Pedestrian Counts

Hourly Weekend Pedestrian Volumes, by Block

- Castro - 400 Block
- Castro - 500 Block
- 18th Street West
- 18th Street East

Number of Pedestrians

8am-9am, 9am-10am, 10am-11am, 11am-12pm, 12pm-1pm, 1pm-2pm, 2pm-3pm, 3pm-4pm, 4pm-5pm, 5pm-6pm, 6pm-7pm, 7pm-8pm, 8pm-9pm, 9pm-10pm
Public Life Study

Valencia Street Counts - before (2008) and after (2009) street redesign
Public Life Study

Stationary Activity Map: Each Dot = One Person Observed

- Person observed in morning/early afternoon (8AM-2PM)
- Person observed in afternoon/evening (2PM-10PM)
Public Life Study

Stationary Activities

Castro Street Stationary Activities

- Physical Activities
- Children Playing
- Lying Down
- Panhandling
- Culturally Active
- Working
- Commercially Active
- Secondary Seating
- Primary Seating
- Waiting for Shuttle
- Waiting for Transit
- Queuing
- Standing
REVISED CONCEPTUAL DESIGN
PROPOSED CASTRO STREET MID-BLOCK SECTION

22.25' SIDEWALK
8' PARKING/LOADING
11' SOUTHBOUND
11' NORTHBOUND
8' PARKING/LOADING
22.25' SIDEWALK
Pole Location

Poles Relocated

Relocating Muni poles would help create a more flexible sidewalk layout.

Poles in Place

Muni pole relocation is a significant expense and could perhaps lengthen construction.
Pole Location

Poles Relocated: Mid-Block Sidewalk Layout
Poles Relocated

- Frontage Zone
- Throughway Zone
- Furnishing Zone

+/- 4 feet of flexible clear space

Muni/Light Pole
Pole in Place

Throughway Zone

Furnishing Zone

+/- 18 inch buffer along building edge

Muni/Light Pole
Base Design Comparison

Poles Relocated

Poles in Place
Base Design Plan View Summary
Optional Enhancements - Community Priorities

Which one to include in base design?

19th Street:
Corner Bulbs-outs and Gateway Median

18th Street:
Bus Bulb-Outs

Jane Warner Plaza
Improvements: repaving, accessibility, and plaza edge treatments

North of Market:
Corner Bulb-outs
DESIGN INSPIRATION

Architectural Heritage

Cultural Legacy
Proposed Lighting and Furnishings

Roadway Lighting

Pedestrian Lighting

Celebratory Lighting

Leaning Post
Sidewalk Paving

“Mica Sparkles”

Rainbow Honor Walk
5 per block face

Castro History Facts
Special Crosswalk Markings
Mid-Block Bulb-Out
Proposal: Castro Camera/Harvey Milk Residence Mini-Plaza
Street Trees
The Benefits of Street Trees

- A mature tree in an urban environment provides up to $162,000 in ecosystem services:
  - Trees absorb carbon dioxide (Up to 25 pounds of CO2 per year)
  - Trees produce oxygen. Two medium-sized, healthy trees can supply the oxygen required for a single person for a year.
  - Trees reduce up to 60% of particulate pollution in the air
  - Trees provide erosion control and act as flood control agents by intercepting 1,006 gallons of rainwater per year
  - Trees provide habitat for birds and beneficial insects
  - People are more likely to shop on streets that are planted with trees
  - Clean and green settings experience less petty crimes such as vandalism, graffiti and litter **
  - Trees act as traffic calming agents (drivers perceive the street as narrower)*

*Michael Kinsley - Rocky Mountain Institute, Denver CO
**New Kensington Study-The Wharton School
Street Trees
The Benefits of Street Trees

Less than 12% of San Francisco is covered by tree canopy, compared to National Average with 21% tree cover.
Street Tree Options
Deciduous Trees, Primary at Mid-Block

White Barked Birch
Betula utilis ‘Jacquemontii’

Armstrong Maple
Acer rubrum ‘Armstrong’

Columnar Ginkgo
Ginkgo biloba ‘Princeton Sentry’
Street Tree Options
Evergreen Trees, Accent at Corners

- King Palm
  *Archontophoenix cunninghamiana*

- Queen Palm
  *Syagrus romanzoffiana*

- Southern Magnolia
  *Magnolia grandiflora* ‘DD Blanchard’
DISCUSSION GROUP AGENDA

1. Introductions & plan overview (10 min)
2. Design priorities discussion (30 min)
3. Workshop survey (10 min)
4. Workshop feedback form (5 min)
5. Report Back by facilitators
NEXT STEPS

Feedback:

- Complete the survey by **April 12, 2013**
- Final Open House - late April/early May

For more information:

- Visit the project website
  [http://castrostreetdesign.sfplanning.org](http://castrostreetdesign.sfplanning.org)
- Join the project mailing list
  [http://signup.sfplanning.org](http://signup.sfplanning.org)
  (Choose Sign me up for: Castro Street Design Project)
- Questions or Comments
  Nicholas.Perry@sfgov.org | 415.575-9066

Thank you for attending!