TONIGHT’S TOPICS

1. Policy Background
2. Conceptual Design
3. Design Elements & Cost Estimates
4. Block-by-Block Overview
5. Timeline & Next Steps
**Policy Background**

<table>
<thead>
<tr>
<th>Date</th>
<th>Project Description</th>
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<tbody>
<tr>
<td>AUG 2008</td>
<td>Eastern Neighborhoods Program (SF Planning Department)</td>
</tr>
<tr>
<td>DEC 2008</td>
<td>Central Waterfront Area Plan (SF Planning Department)</td>
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<tr>
<td>JUN 2010</td>
<td>San Francisco Better Streets Plan (City of SF)</td>
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<tr>
<td>MAY 2011</td>
<td>22nd Street Greening Master Plan (DNA, GreenTrustSF, Fletcher Studios)</td>
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<tr>
<td>NOV 2013</td>
<td>Green Vision Plan (Dogpatch - NW Potrero Hill Green Benefit District)</td>
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<tr>
<td>MAR 2014</td>
<td>Green Connections (City of SF)</td>
</tr>
<tr>
<td>ONGOING</td>
<td>Central Waterfront - Dogpatch Public Realm Plan (SF Planning Department)</td>
</tr>
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</table>
Eastern Neighborhoods Program

As shown above, alleyways could be converted to “living streets,” where traffic is calmed and paving and landscaping are designed to reflect what is envisioned as the pedestrian primacy of these streets. The Planning Department is currently working with the Redevelopment Agency and the Department of Public Works on three streets in the East SoMa: Minna, Natoma, and Russ Streets. These streets will set the standard for additional living streets to be designed throughout all the Plan areas.
**Central Waterfront Area Plan**

<table>
<thead>
<tr>
<th><strong>OBJECTIVE 5.3</strong></th>
<th>Create a network of green streets that connects open spaces and improves the walkability, aesthetics, and ecological sustainability of the neighborhood.</th>
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<tbody>
<tr>
<td><strong>POLICY 5.3.1</strong></td>
<td>Redesign underutilized portions of streets as public open spaces, including widened sidewalks or medians, curb bulb-outs, “living streets” or green connector streets.</td>
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<tr>
<td><strong>POLICY 5.3.2</strong></td>
<td>Maximize sidewalk landscaping, street trees and pedestrian scale street furnishing to the greatest extent feasible.</td>
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<tr>
<td><strong>POLICY 5.3.3</strong></td>
<td>Design intersections of major streets to reflect their prominence as public spaces.</td>
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</table>
Green Connections Plan

The conceptual design proposes the following:

- **22nd Street Pathway.** Install pedestrian improvements such as lighting and improvements to the informal pathway that currently links Arkansas Street to Missouri Street.

- **22nd Street Hill Climb.** Develop a hillclimb on what is currently missing along 22nd street between the Potrero Hill Recreation Center and Texas Street.

The Potrero Hill / Dogpatch Green Connection will provide an important link between the Potrero Hill Recreation Center and Warm Water Cove Park. The plan builds on several existing planning efforts recently completed or currently underway in the neighborhood and will improve safety and connectivity for pedestrians and bicyclists traveling along the corridor.

**San Francisco Green Connections, SF Planning, SFMTA and SF DPH, March 2014**
Central Waterfront - Dogpatch Public Realm Plan

sf-planning.org/CentralWaterfrontPRP
22nd Street Greening Master Plan

THE MASTER PLAN

Fletcher Studio and Nelson/Nygaard, for Greent Trust SF and the San Francisco Parks Trust, May 2011
An additional $600,000 will come from the Public Works Paving Program budget. This includes paving from Illinois Street to Pennsylvania Ave with the exception of the Caltrain bridge. New Curb Ramps, New Special Treatment between Continentals, New Bicycle Sharrow Striping, New Continental Crosswalks, Pedestrian Lighting, replacement of sidewalk concrete where needed and installation of turf block treatments, New Benches, New Trash Receptacle, New Roadway Paving, New Bike Rack, New Concrete Bus Pads, New Sidewalks w/ Integral Color, (Includes Planting & Irrigation)

STREETSCAPE TOTAL: $3,000,000 *
Conceptual Design Cost Estimate
from SEPTEMBER 2015

FEATURES

6 Blocks of Repaving ($600,000 from Paving Program)
19,400 SF New Sidewalks w/ Integral Color
9 Bulb-outs
42 New Street Trees
3 Year Maintenance for New Trees
7,150 SF Permeable Paving
7,150 SF Low-maintenance, Drought Tolerant Planting
7,150 SF Irrigation
1,855 SF Special Treatment at Crosswalks @ 6 Intersections
18 New Pedestrian Light Fixtures (& Conduit) @ Intersections
24 Painted Sharrows
21 Bike Posts
4 Trash Receptacles (at Bus Stops)
Conceptual Design Elements

STREETSCAPE GREENING
Conceptual Design Elements

INTERSECTION IMPROVEMENTS
Conceptual Design Elements

SEATING PROGRAM
Conceptual Design Elements

BICYCLE INFRASTRUCTURE

PEDESTRIAN LIGHTING
**Conceptual Design Cost Estimate**

from SEPTEMBER 2015

<table>
<thead>
<tr>
<th>Segment</th>
<th>Cost 1</th>
<th>Cost 2</th>
<th>Cost 3</th>
<th>Cost 4</th>
<th>Cost 5</th>
<th>Cost 6</th>
<th>Cost 7</th>
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<td>IA to IN</td>
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<td>TN to 3rd</td>
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<td>3rd to IL</td>
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**Total Streetscape Cost:** $3,000,000*

*Additional $600,000 from Public Works Paving Program budget. Includes Planting & Irrigation.
**Conceptual Design Cost Estimate**

from SEPTEMBER 2015

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**Pennsylvania to Iowa**

$500,000

1. $110,000
   - Paving
   - Bulb out & Curb ramps
   - 1 Ped light
   - 1 Tree
   - Turf block & planting

2. $190,000
   - Paving
   - Bulb out & Curb ramps
   - 1 Ped light
   - 1 Tree
   - Turf block & planting

3. $200,000
   - Paving
   - Bulb out & Curb ramps
   - 1 Ped light
   - 1 Tree
   - Turf block & planting

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**22ND STREET GREEN CONNECTION STREETSCAPE PROJECT**
Conceptual Design Cost Estimate
from SEPTEMBER 2015

Iowa to Indiana
$430,000

bulb out & curb ramps

4
$50,000

5
$380,000

paving (bus pads)
2 ped lights
6 new trees

1-STORY BUILDING

CALTRANS R/W (APPROX.)

BUS PAD

MUNI FACILITY
1-STORY BUILDING

IOWA STREET

INDIANA STREET

22ND STREET

GREEN CONNECTION STREETSCAPE PROJECT
Conceptual Design Cost Estimate
from SEPTEMBER 2015

Indiana to Minnesota
$500,000

6
$365,000

7
$135,000

paving
3 ped lights
7 new trees
turf block & planting

paving
bulb out & curb ramps
turf block & planting
1 ped light
Conceptual Design Cost Estimate
from SEPTEMBER 2015

Minnesota to Tennessee
$490,000

- Paving
- 3 ped lights
- 8 new trees
- Turf block & planting

- Segment 8
  - $355,000

- Segment 9
  - $135,000

- Paving bulb out & curb ramps
- Turf block & planting
- 1 ped light

Iowa to Indiana
$380,000

- New Roadway Paving
- New Bicycle Sharrow Striping
- New Continental Crosswalks
- New Special Treatment between Continentals

Indiana to Minnesota
$440,000

- New Roadway Paving
- New Bicycle Sharrow Striping
- New Continental Crosswalks
- New Special Treatment between Continentals

3rd to Illinois
$500,000

- New Benches
- turf block & planting

Tennessee to 3rd
$255,000

- New Benches
- turf block & planting

Pennsylvania to Iowa
$440,000

- New Benches
- turf block & planting

Streetscapes Total: $3,000,000

*An additional $600,000 will come from the Public Works Paving Program budget. This includes...
Conceptual Design Cost Estimate
from SEPTEMBER 2015

Tennessee to 3rd
$590,000

10 $130,000
11 $250,000
12 $110,000

10: paving, bulb out & curb ramps, 1 ped light, 1 new tree, turf block & planting
11: curb ramps, 1 ped light, 5 new trees, turf block & planting
12: paving, bulb out & curb ramps, 1 new tree, turf block & planting

Diagram: 22ND STREET GREEN CONNECTION STREETSCAPE PROJECT
Conceptual Design Cost Estimate
from SEPTEMBER 2015

22ND STREET GREEN CONNECTION STREETSCAPE PROJECT
22nd Street Green Connection
CONCEPTUAL DESIGN COST ESTIMATE | from SEPTEMBER

<table>
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<tr>
<th>ITEM</th>
<th>COST</th>
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<tbody>
<tr>
<td>1 - Green Pedestrian Refuge</td>
<td>$110 k</td>
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<tr>
<td>2 - Green Pedestrian Refuge</td>
<td>$190 k</td>
</tr>
<tr>
<td>3 - Street Segment</td>
<td>$200 k</td>
</tr>
<tr>
<td>4 - Green Pedestrian Refuge</td>
<td>$50 k</td>
</tr>
<tr>
<td>5 - Street Segment</td>
<td>$380 k</td>
</tr>
<tr>
<td>6 - Street Segment</td>
<td>$365 k</td>
</tr>
<tr>
<td>7 - Green Pedestrian Refuge</td>
<td>$135 k</td>
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<tr>
<td>8 - Street Segment</td>
<td>$355 k</td>
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<tr>
<td>9 - Green Pedestrian Refuge</td>
<td>$135 k</td>
</tr>
<tr>
<td>10 - Green Pedestrian Refuge</td>
<td>$130 k</td>
</tr>
<tr>
<td>11 - Street Segment, Trees</td>
<td>$250 k</td>
</tr>
<tr>
<td>12 - Green Pedestrian Refuge</td>
<td>$110 k</td>
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<tr>
<td>13 - Green Pedestrian Refuge</td>
<td>$100 k</td>
</tr>
<tr>
<td>14 - Green Pedestrian Refuge</td>
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<tr>
<td>15 - Green Pedestrian Refuge</td>
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<td>16 - Green Pedestrian Refuge</td>
<td>$255 k</td>
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<tr>
<td>CIVIL ENGINEER’S SURVEY</td>
<td>$50 k</td>
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TOTAL PROJECT COST: $3.0 m

PROGRAMMED FUNDS

<table>
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<tr>
<th>ITEM</th>
<th>AMOUNT</th>
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<tr>
<td>IMPACT FEES - EN CAC</td>
<td>$2.0 M</td>
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<tr>
<td>PUBLIC WORKS PAVING PROG.*</td>
<td>$0.6 M</td>
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<tr>
<td>TOTAL</td>
<td>$2.6 m</td>
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TOTAL PROJECT COST EST. $3.6 M
CURRENT SHORTFALL $1.0 M

*Funding (~$600K) for paving from Illinois Street to Pennsylvania Ave (except for the Caltrain bridge) will come from the Public Works Paving Program budget.
## Timeline & Next Steps for 22nd St Project

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>JUN 2015 - MAR 2016</td>
<td>Neighborhood &amp; GBD Mtgs</td>
</tr>
<tr>
<td>DEC 2015</td>
<td>Funding Confirmed by EN CAC and IPIC</td>
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<tr>
<td>MAR 9th 2016</td>
<td>Public Realm Plan Community Mtg</td>
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<tr>
<td>MAR 30th 2016</td>
<td>22nd Street Project Community Mtg</td>
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<tr>
<td>SPRING 2016</td>
<td>22nd Street Bridge Reconstruction Start</td>
</tr>
<tr>
<td>SPRING - WINTER 2016</td>
<td>22nd Street Project Design Start</td>
</tr>
<tr>
<td>WINTER 2016 - SUMMER 2017</td>
<td>Contracting</td>
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<tr>
<td>SUMMER 2017 - SPRING 2018</td>
<td>Construction</td>
</tr>
</tbody>
</table>

*Neighborhood Meetings include monthly meetings with Potrero Dogpatch Merchants’ Assn, Dogpatch Neighborhood Assn, Potrero Boosters Neighborhood Assn, and Dogpatch - NW Potrero GBD Board.*
Funding Strategies & Schedule Scenarios

OCTOBER 2015

**Scenario 1:** $3.6M budget
- **Fall 2015:** Additional impact fees confirmed to fill $1M funding gap (on top of $2M impact fees and $600k of general funds already allocated to the project)
- **Winter 2015-16:** Community design workshop(s)
- **Spring 2018:** Project completion

**Scenario 2:** $2.6M budget + unknown amount
- **Fall 2015:** Additional impact fees not allocated to fill $1M funding gap
- **Fall 2015 - Summer 2016:** Work to identify potential additional funding from general fund (max $500k increments per FY), and other sources
- **Summer 2016:** Any potential additional funding confirmed; though low chance of receiving full funding
- **Winter 2016-17:** Community design workshop(s); eliminate design elements per budget
- **Spring 2019:** Project completion

**Scenario 3:** $2.6M budget
- **Fall 2015:** Additional impact fees not allocated, $1M funding gap left unfunded
- **Winter 2015-16:** Community design workshop(s) to decide which blocks and features to eliminate
  - Does not deliver on elements of the Greening Master Plan (May 2011)
  - Shorten the number of blocks and severe reducing greening elements
- **Spring 2018:** Project completion