22nd St Green Connection

DOGPATCH - NW POTRERO GREEN BENEFIT DISTRICT | 10 FEBRUARY 2016
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>Plan Description</th>
</tr>
</thead>
<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>
</tr>
<tr>
<td>JUN 2010</td>
<td>San Francisco Better Streets Plan (City of SF)</td>
</tr>
<tr>
<td>MAY 2011</td>
<td>22nd Street Greening Master Plan (DNA, GreenTrustSF, Fletcher Studios)</td>
</tr>
<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 Conections (City of SF)</td>
</tr>
<tr>
<td>ONGOING</td>
<td>Central Waterfront - Dogpatch Public Realm Plan (SF Planning Department)</td>
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</tbody>
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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

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

**FUTURE REDEVELOPMENT**

**CALTRAIN STATION COMMERCIAL CORE**

**BLUE GREENWAY 24TH STREET WARM WATER COVE PARK**

**PATHWAY HILLCLimb CALTRAIN STATION COMMERCIAL CORE BLUE GREENWAY 24TH 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.

**PATHWAY HILLCLIMB CALTRAIN STATION COMMERCIAL CORE BLUE GREENWAY 24TH STREET WARM WATER COVE PARK**

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

sf-planning.org/CentralWaterfrontPRP
Dogpatch - NW Potrero Hill GBD Vision Plan

LEGEND
- Existing Open Space: With Suggested Improvements
- Proposed Open Space: Expanding the Public Realm
- Underpass & Overpass Connector Improvements
- Streetscape Enhancements: Sidewalk Greening & Amenities
- Road Diets: Narrow Vehicle Space, Expand Public Realm
- Shared Public Ways: Flexible Public Plazas
- Intersection Safety Improvement
- City of SF Bike Route

UP Urban and CMG Landscape Architecture, with DNA and Potrero Boosters, October 2013
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
Pennsylvania to Iowa  
$500,000

Iowa to Indiana  
$430,000

Indiana to Minnesota  
$500,000

Minnesota to Tennessee  
$490,000

Tennessee to 3rd  
$590,000

3rd to Illinois  
$440,000

Street Improvements
- Bulb Out
- Special Treatment between Continentals
- New Sidewalks w/ Integral Color
- New Roadway Paving
- New Concrete Bus Pads
- New Continental Crosswalks
- New Special Treatment between Continentals
- New Bicycle Sharrow Striping
- New Bike Rack
- Pedestrian Lighting
- New Trash Receptacle
- New Benches
- Relocated Catch Basin & Gutter

22ND STREET GREEN CONNECTION STREETSCAPE PROJECT

Street Improvements
- Bulb Out
- Special Treatment between Continentals
- New Sidewalks w/ Integral Color
- New Roadway Paving
- New Concrete Bus Pads
- New Continental Crosswalks
- New Special Treatment between Continentals
- New Bicycle Sharrow Striping
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- New Trash Receptacle
- New Benches
- Relocated Catch Basin & Gutter

STREETSCAPE TOTAL: $3,000,000

*An additional $600,000 will come from the Public Works Paving Program budget. This includes paving from Illinois Street to Pennsylvania Avenue with the exception of the Caltrain bridge.
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

[Images of intersection improvements with colorful patterns]
Conceptual Design Elements

SEATING PROGRAM
Conceptual Design Elements

BICYCLE INFRASTRUCTURE

PEDESTRIAN LIGHTING
Conceptual Design Cost Estimate
from SEPTEMBER 2015

**22ND STREET GREEN CONNECTION STREETSCAPE PROJECT**

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**Pennsylvania to Iowa**
- Segment 1: $500,000
- Segment 2: $480,000
- Segment 3: $900,000

**Iowa to Indiana**
- Segment 4: $430,000
- Segment 5: $800,000
- Segment 6: $500,000

**Indiana to Minnesota**
- Segment 7: $135,000
- Segment 8: $110,000
- Segment 9: $100,000

**Minnesota to Tennessee**
- Segment 10: $430,000
- Segment 11: $200,000
- Segment 12: $430,000

**Tennessee to 3rd**
- Segment 13: $130,000
- Segment 14: $355,000
- Segment 15: $50,000

**3rd to Illinois**
- Segment 16: $440,000
- Segment 17: $135,000
- Segment 18: $110,000

**STREETSCAPE TOTAL: $3,000,000**

*An additional $600,000 will come from the Public Works Paving Program budget. This includes paving from Illinois Street to Pennsylvania Avenue with the exception of the Caltrain bridge.*
Conceptual Design Englargements
from SEPTEMBER 2015

Cost	 |	 Amenities Include:
1	 |	 $110,000 Paving, Bulb-out & Curb Ramps, 1 Ped Light, Turf Block & Planting
2	 |	 $190,000 Paving, Bulb-out & Curb Ramps, 1 Ped Light, 1 New Tree, Turf Block & Planting
3	 |	 $200,000 Paving, (Bus Pad) 2 Ped Lights, 1 New Tree, Turf Block & Planting

LEGEND
- Project Segment Number
- Segment Cost
- Block Improvements Bulb Out
- Trees to Remain
- Turf Block/ “Green Fuzz” (Includes Planting & Irrigation)
- New Sidewalks w/ Integral Color
- New Roadway Paving
- New Concrete Bus Pads
- New Curb Ramps
- New Continental Crosswalks
- New Special Treatment between Continentals
- New Bicycle Sharrow Striping
- Pedestrian Lighting
- New Trash Receptacle
- New Benches
- Relocated Catch Basin & Gutter
- MUNI MINI PARK/WOODS YARD PARK
- RICKSHAW BAGWORKS
- PICCINO WORKSHOP
- RESIDENCE ST. STEPHEN BAPTIST CHURCH
- MARCELLA’S LASAGNERIA
- JUST FOR YOU CAFE DOGPATCH SALOON
- FRAMES ON 3RD
- MR. & MRS. MISC
- SUS TON CELLARS
- TRIPLE AUGHT DESIGN
- SUE TALLON PHOTOGRAPHY
- SERPENTINE
- RENO’S THE LAB MODERN NAIL BAR
- LITTLE NIB MUNI FACILITY
- LA STAZIONE COFFEE & WINE BAR
- SF PURCHASING DEPARTMENT
- ROMER YOUNG GALLERY
- RE M O V E 2 P A R K I N G S T A L L S ( T Y P ) 
- (E) PARALLEL PARKING
- (E) PARALLEL PARKING
- (E) PARALLEL PARKING
- (E) PARALLEL PARKING
- (E) PARALLEL PARKING
- (E) PARALLEL PARKING
- (E) PERP PARKING
- (E) PERP PARKING
- (E) PERP PARKING
- (E) PERP PARKING
- (E) WOOD/TIMBER SIDEWALK (TYP.)
- (E) CALTRANS RW (APPROX.)
- 22ND STREET
Conceptual Design Enlargements
from SEPTEMBER 2015

Cost 	 Amenities Include:
4 	 $50,000 	 Bulb-out & Curb Ramp
5 	 $380,000 	 Paving (& Bus Pads), 2 Ped Lights, 6 New Trees, Turf Block & Planting
Conceptual Design Enlargements
from SEPTEMBER 2015

Cost	Amenities Include:
6	$365,000 Paving, 3 Ped Lights, 7 New Trees, Turf Block & Planting
7	$135,000 Paving, Bulb-out & Curb Ramps, 1 Ped Light, Turf Block & Planting
Conceptual Design Englargements
from SEPTEMBER 2015
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from SEPTEMBER 2015

<table>
<thead>
<tr>
<th>Cost</th>
<th>Amenities Include</th>
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<tbody>
<tr>
<td>$130,000</td>
<td>Paving, Bulb-out &amp; Curb Ramps, 1 Ped Light, 1 New Tree, Turf Block &amp; Planting</td>
</tr>
<tr>
<td>$250,000</td>
<td>Paving, Curb Ramps, 1 Ped Light, 5 New Trees, Turf Block &amp; Planting</td>
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<tr>
<td>$110,000</td>
<td>Paving, Bulb-out &amp; Curb Ramps, 1 New Tree, Turf Block &amp; Planting</td>
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<tr>
<td>$100,000</td>
<td>Paving, Bulb-out &amp; Curb Ramps, Turf Block &amp; Planting</td>
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Conceptual Design Enlargements
from SEPTEMBER 2015

<table>
<thead>
<tr>
<th>Cost</th>
<th>Amenities Include</th>
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<tr>
<td>14 $110,000</td>
<td>Paving, Bulb-out &amp; Curb Ramps, Turf Block &amp; Planting</td>
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<td>15 $75,000</td>
<td>Paving, Bulb-out &amp; Curb Ramps, Turf Block &amp; Planting</td>
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<tr>
<td>16 $255,000</td>
<td>Paving, 2 Ped Lights, 8 New Trees, Turf Block &amp; Planting</td>
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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>
</tr>
<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>
</tr>
<tr>
<td>8 - Street Segment</td>
<td>$355 k</td>
</tr>
<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>
</tr>
<tr>
<td>13 - Green Pedestrian Refuge</td>
<td>$100 k</td>
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<tr>
<td>14 - Green Pedestrian Refuge</td>
<td>$110 k</td>
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<tr>
<td>15 - Green Pedestrian Refuge</td>
<td>$75 k</td>
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<tr>
<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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<tr>
<td>TOTAL PROJECT COST:</td>
<td>$3.0 m</td>
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PROGRAMMED FUNDS | AMOUNT
IMPACT FEES - EN CAC | $3.0 M
PUBLIC WORKS PAVING PROG.* | $0.6 M
TOTAL: | $3.6 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>Period</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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<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>
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<tr>
<td>SPRING 2016</td>
<td>22nd Street Project Design Start</td>
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<tr>
<td>WINTER 2016 - SUMMER 2017</td>
<td>Contracting</td>
</tr>
<tr>
<td>SUMMER 2017 - SPRING 2018</td>
<td>Construction</td>
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*Neighborhood Meetings include monthly meetings with Potrero Dopgpatch Merchants’ Assn, Dogpatch Neighborhood Assn, Potrero Boosters Neighborhood Assn, and Dogpatch - NW Potrero GBD Board.*