

North Long Beach Public Works Master Plan

**Presentation to
City of Long Beach
Redevelopment Agency Board
March 12, 2001**



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North Long Beach Public Works Master Plan Introduction

The Public Works Master Plan identifies and prioritizes street improvements for North Long Beach.

The Master Plan identifies *basic improvements*, including street and alley repaving, sidewalk replacement, corner access ramps, storm drain improvements and traffic signal improvements throughout the area. City staff and consultants identified and prioritized basic improvements, based on a detailed field analysis.

The Master Plan also identifies *streetscape improvements for the major boulevards*, such as street trees; landscaped medians and parkways; pedestrian amenities, including lighting, street furniture and traffic calming; pocket parks; and landscaping of front yard setbacks on Southern California Edison rights-of-way and vacant lots.

City Staff and consultants identified streetscape improvements that are feasible and appropriate for each of the major boulevards in North Long Beach. Then, at a series of North Long Beach Steering Committee meetings and the first Community Workshop, community members selected the improvements they would like to see on each major street. At subsequent Steering Committee meeting and the second Community Workshop, community members prioritized those streetscape improvements. In addition, the Steering Committee recommended a Redevelopment funding split of 60% for basic improvements and 40% for streetscape improvements.

This hand-out describes the following elements of the Public Works Master Plan:

1. A summary of basic improvements
2. Street repaving in order of priority
3. Key storm drain improvements
4. Streetscape improvements by street.



Street lights



Traffic calming



Street trees & medians



Pedestrian amenities



Pocket parks & public art

The Steering Committee and community members' *priorities* for streetscape improvements and streets on which improvements should be made are as follows:

Improvements:

1. Traffic calming
Pedestrian amenities
Street trees
2. Medians
Gateway enhancements
3. Pocket parks
4. Vacant lot/SCE ROW setback and back-up lot landscaping

Streets:

1. Atlantic Avenue
Long Beach Boulevard
2. Artesia Boulevard
3. Cherry Street
South Street
Market Street
4. Orange Avenue
Del Amo Boulevard
Paramount Boulevard



LONG BEACH REDEVELOPMENT AGENCY

North Long Beach Public Works Master Plan

MASTER PLAN ELEMENTS

Street Resurfacing

Priority 1 (8 miles)	\$ 2.0 Million
Priority 2 (23 miles).....	\$ 5.0 Million
Priority 3 (19 miles).....	\$ 6.0 Million
Priority 4 (25 miles).....	\$ 2.5 Million
Priority 5 (29 miles).....	\$ 3.0 Million

Street Reconstruction (1.5 miles)..... \$ 1.0 Million

Alley Improvements (29 miles)..... \$ 6.5 Million

Storm Drain Improvements \$45.0 Million

Concrete Reconstruction \$14.5 Million

ADA Ramps \$ 3.5 Million

Traffic Improvements \$ 2.5 Million

Streetscape Improvements \$25.0 Million

TOTAL ESTIMATED CONSTRUCTION COST \$116.5 Million

DESIGN & CONSTRUCTION MANAGEMENT (20%) \$ 23.5 Million

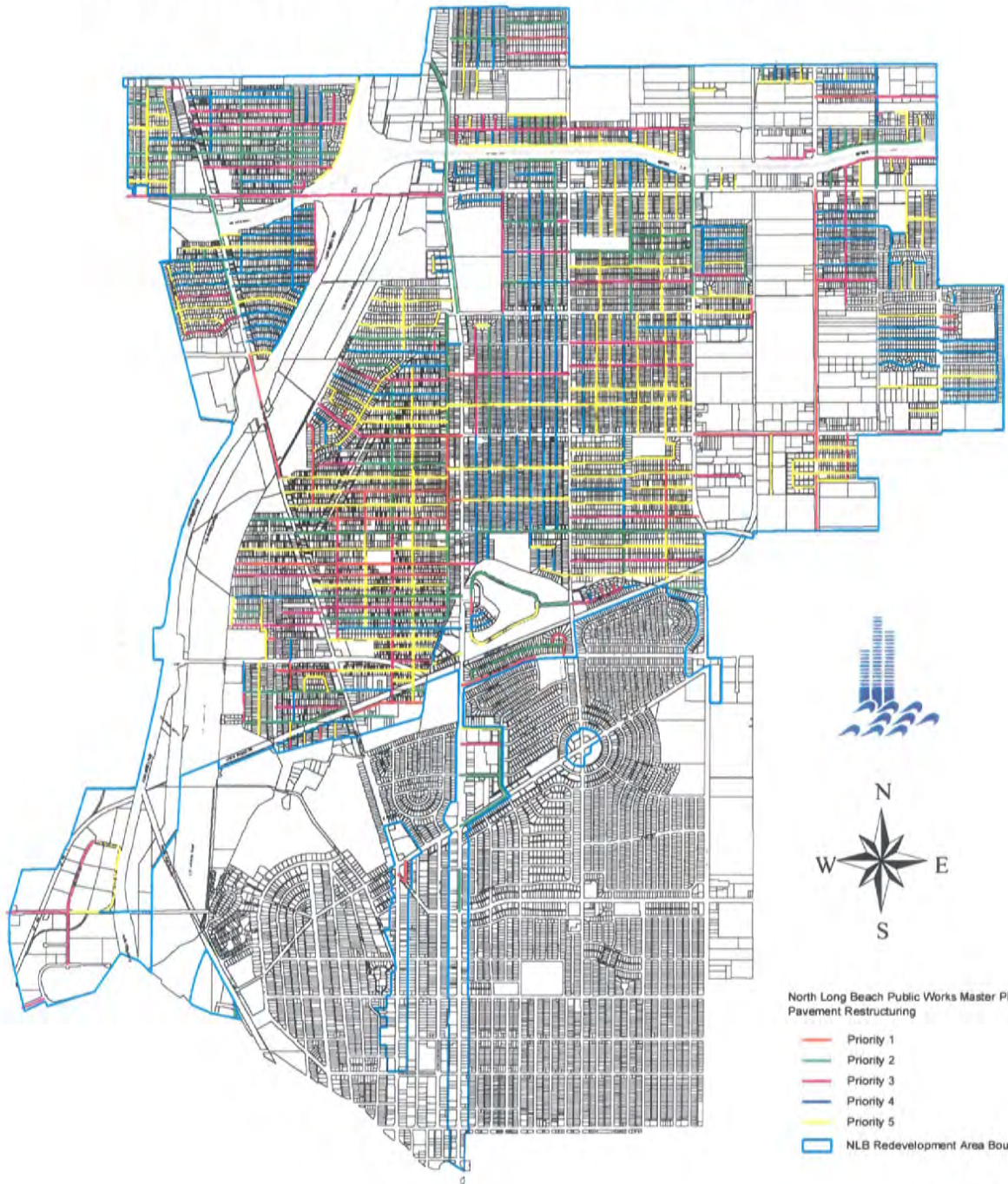
MASTER PLAN MAGNITUDE OF COSTS \$140 MILLION



LONG BEACH REDEVELOPMENT AGENCY

North Long Beach Public Works Master Plan

PAVEMENT RESTRUCTURING

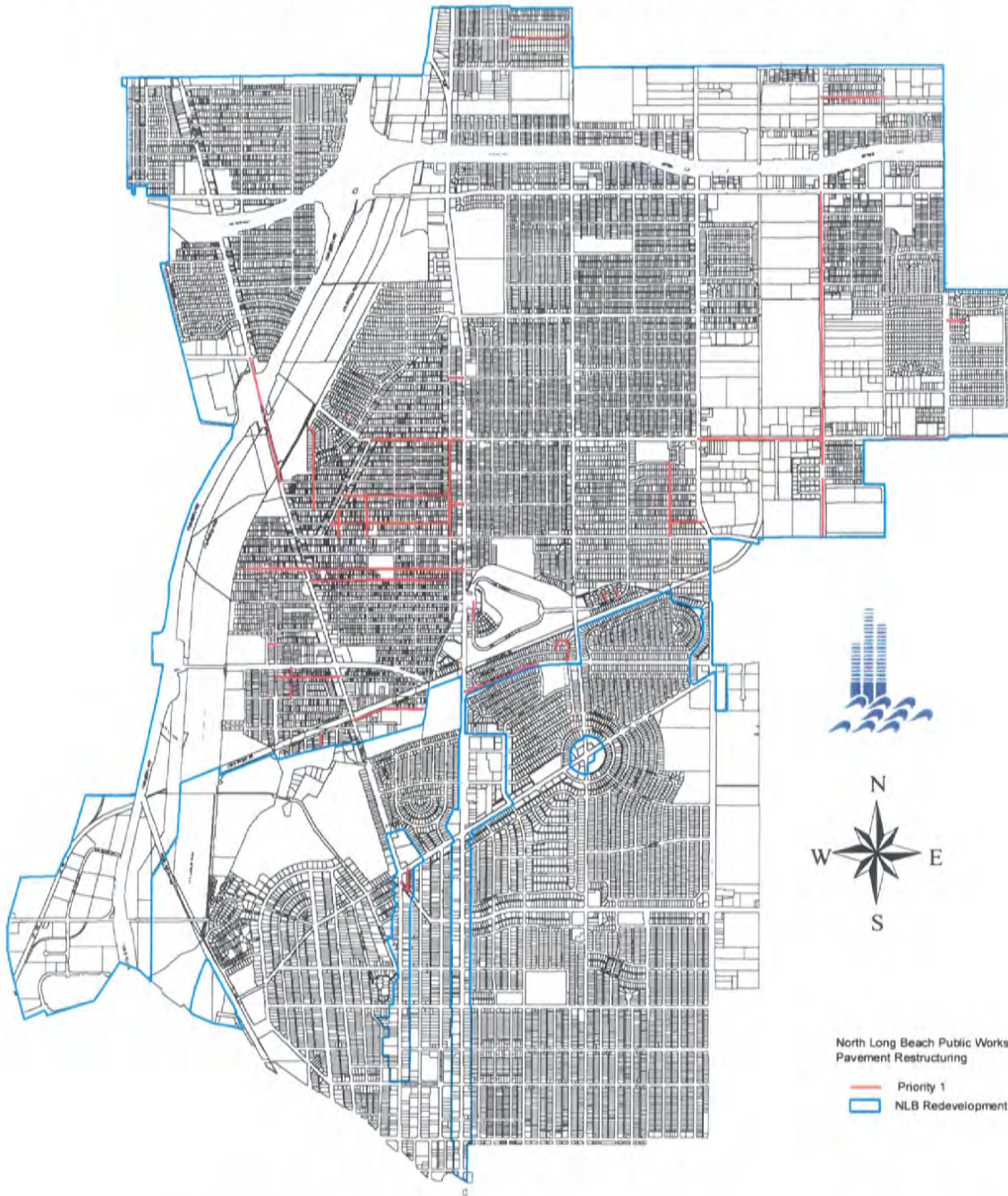




LONG BEACH REDEVELOPMENT AGENCY

North Long Beach Public Works Master Plan

PAVEMENT RESTRUCTURING-PRIORITY 1



North Long Beach Public Works Master Plan
Pavement Restructuring

- Priority 1
- NLB Redevelopment Area Boundary

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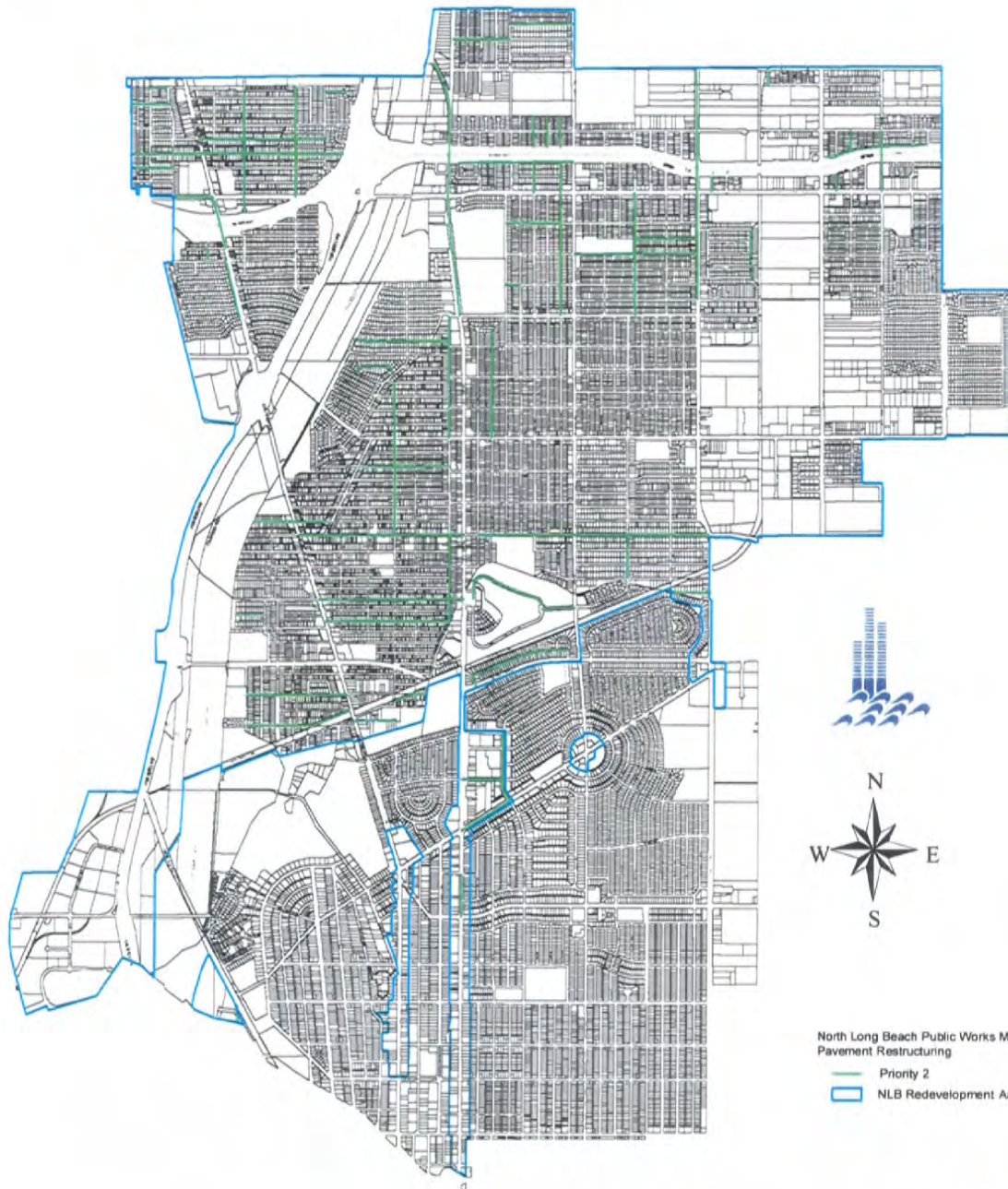




LONG BEACH REDEVELOPMENT AGENCY

North Long Beach Public Works Master Plan

PAVEMENT RESTRUCTURING-PRIORITY 2



North Long Beach Public Works Master Plan
Pavement Restructuring

- Priority 2
- NLB Redevelopment Area Boundary

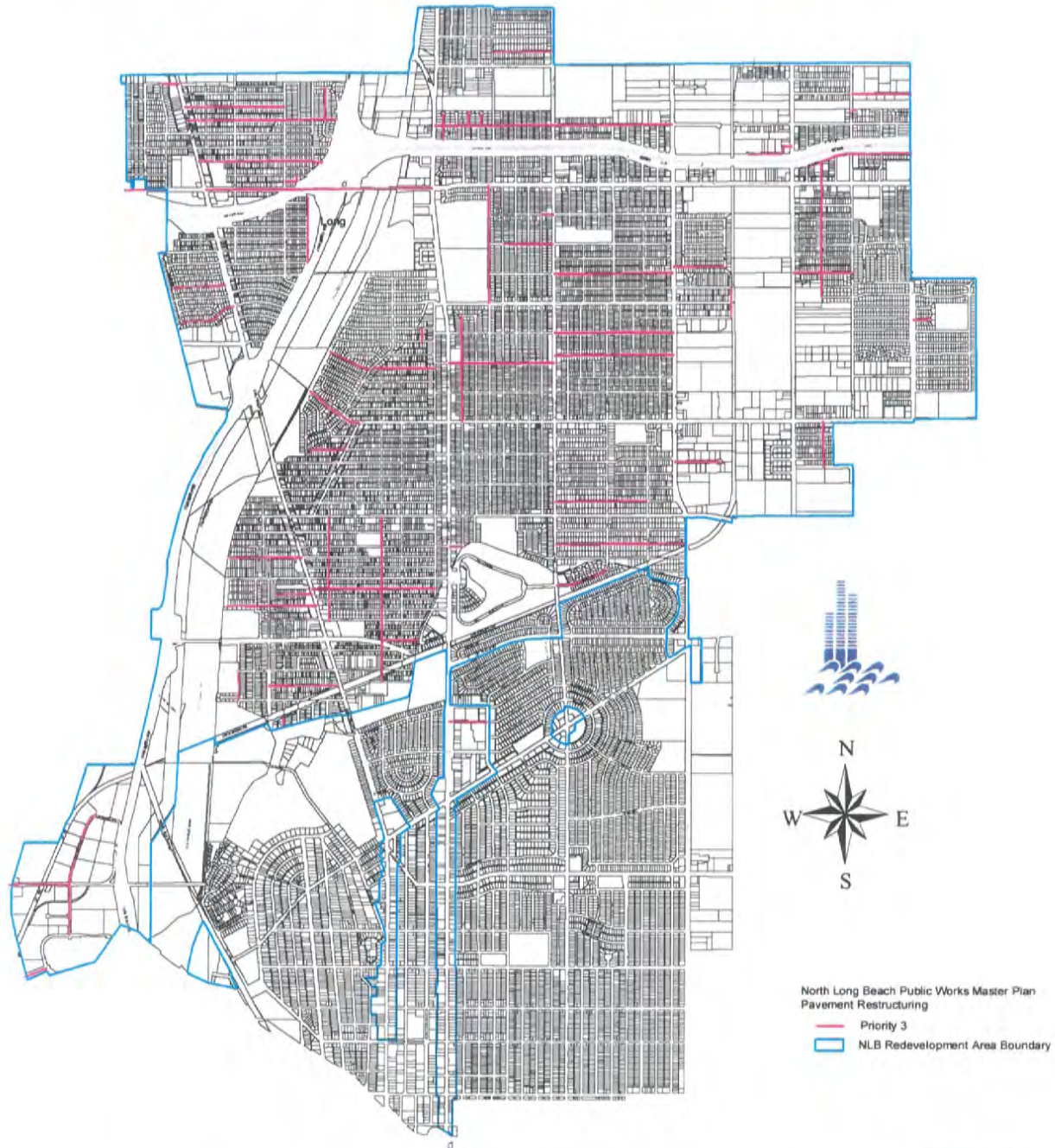




LONG BEACH REDEVELOPMENT AGENCY

North Long Beach Public Works Master Plan

PAVEMENT RESTRUCTURING-PRIORITY 3



North Long Beach Public Works Master Plan
Pavement Restructuring

- Priority 3
- NLB Redevelopment Area Boundary

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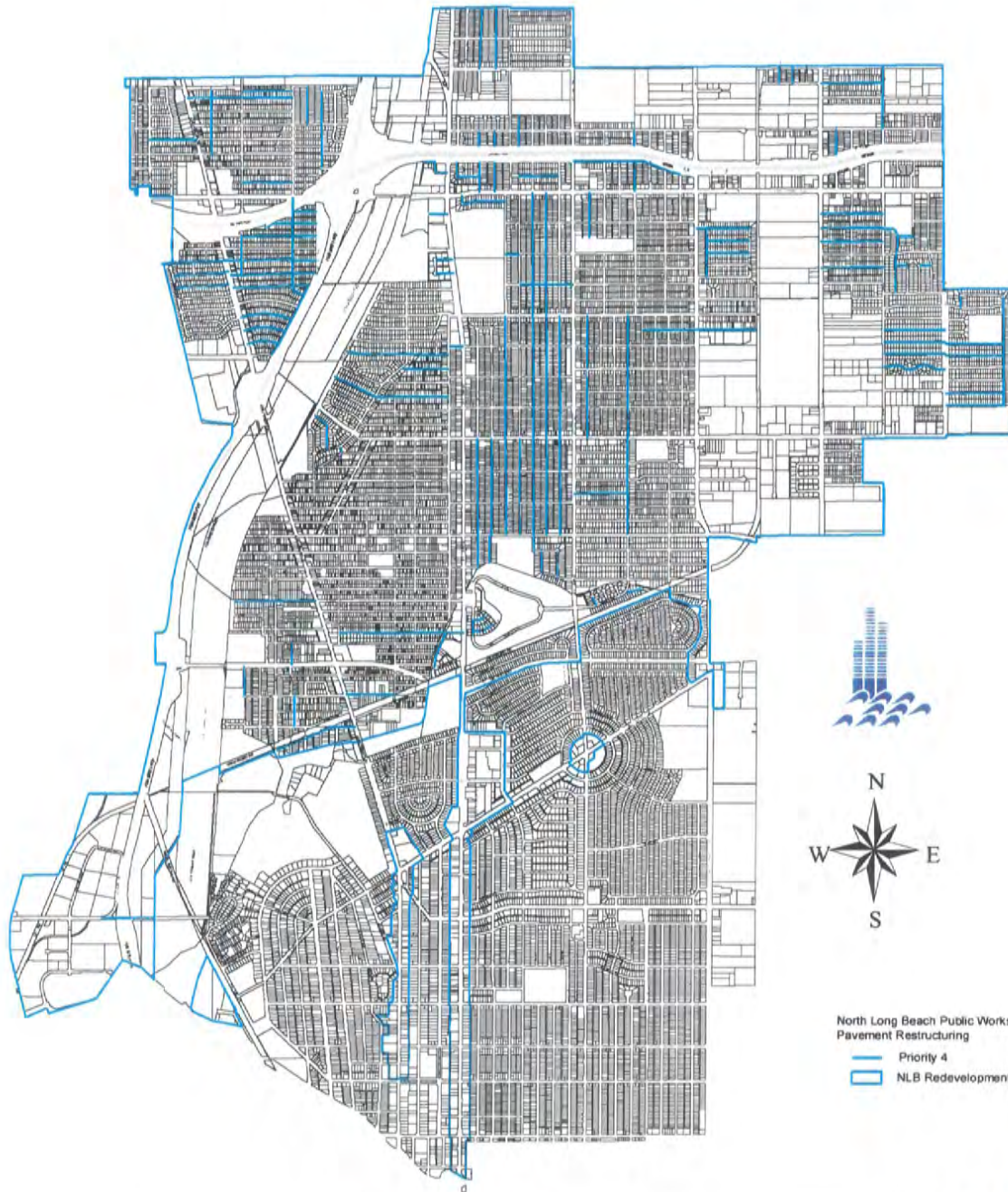




LONG BEACH REDEVELOPMENT AGENCY

North Long Beach Public Works Master Plan

PAVEMENT RESTRUCTURING-PRIORITY 4



North Long Beach Public Works Master Plan
Pavement Restructuring

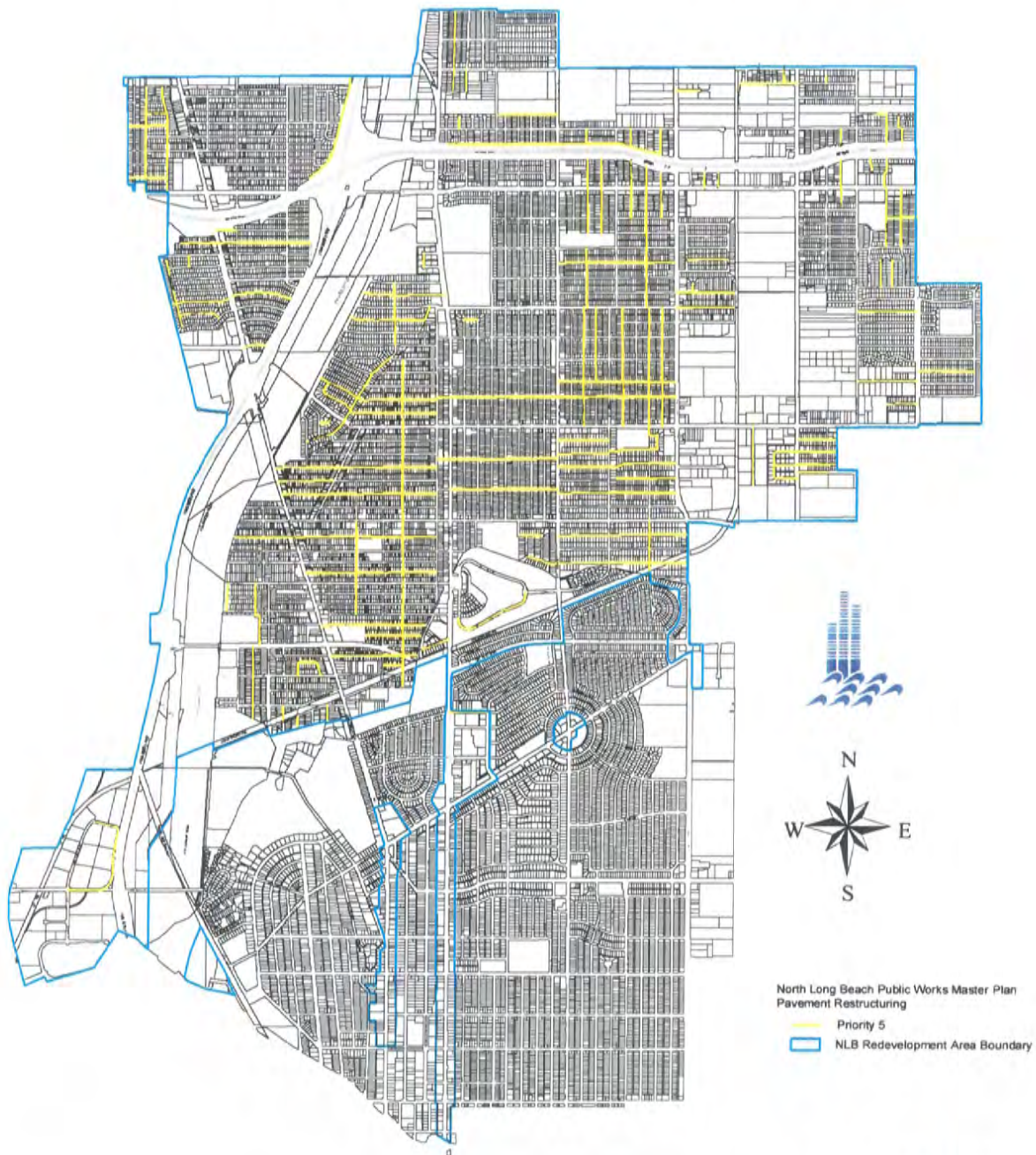
- Priority 4
- NLB Redevelopment Area Boundary



LONG BEACH REDEVELOPMENT AGENCY

North Long Beach Public Works Master Plan

PAVEMENT RESTRUCTURING-PRIORITY 5



North Long Beach Public Works Master Plan
Pavement Restructuring

- Priority 5
- NLB Redevelopment Area Boundary

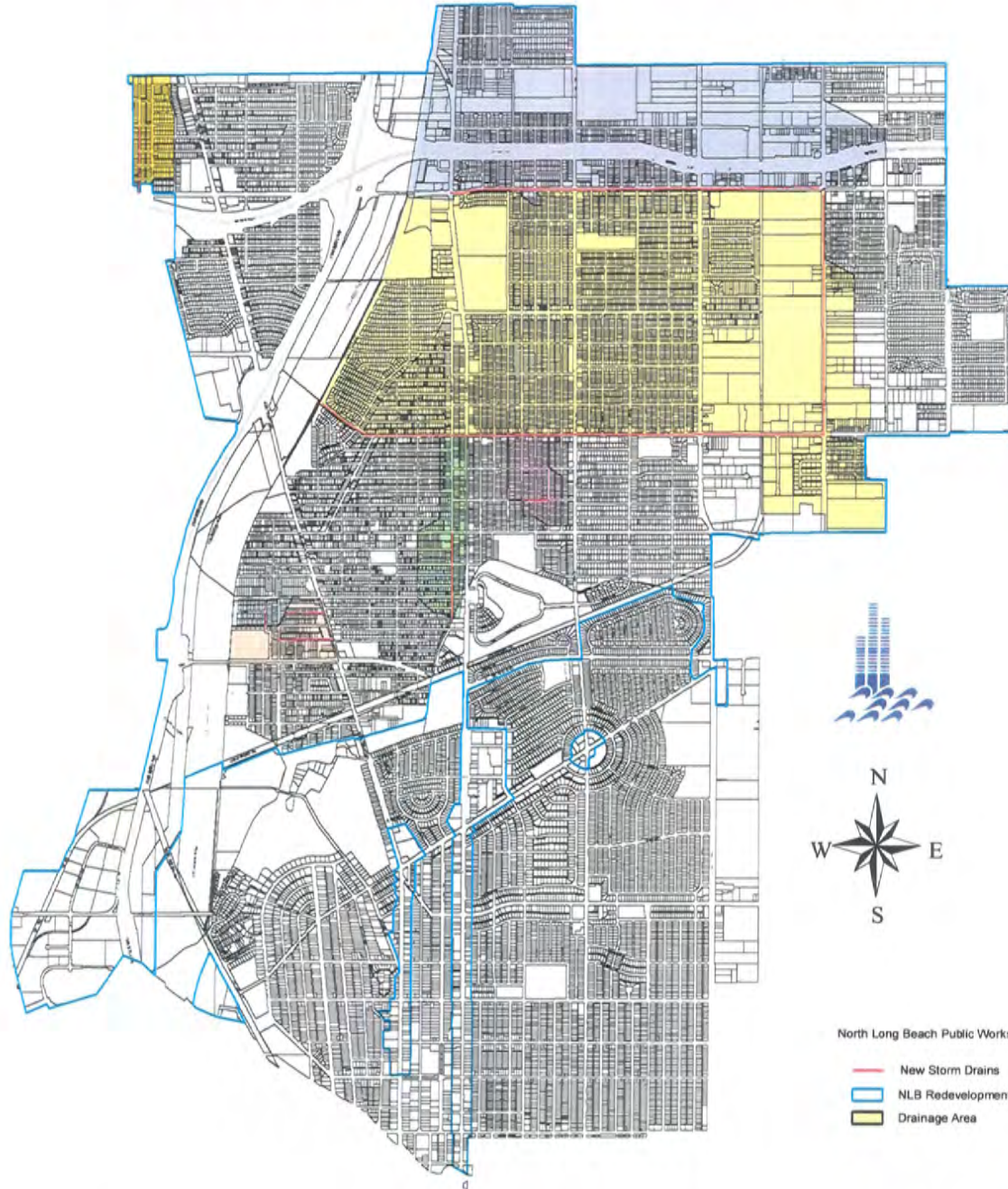




LONG BEACH REDEVELOPMENT AGENCY

North Long Beach Public Works Master Plan

DRAINAGE IMPROVEMENTS



**North Long Beach Public Works Master Plan
Streetscape Improvements for Major Boulevards**

	Long Beach Blvd.		Atlantic Ave.		Orange Ave.		Cherry Ave.		Paramount Blvd.		Downey Ave.		Artesia Blvd.		South Market St.		Del Amo Blvd.		
	3.0	4.0	1.3	2.7	1.9	0.7	2.6	2.3	2.1	0.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
Length of Improvements (miles)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pedestrian Amenities¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Corner Curb Extensions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Decorative Crosswalks	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pedestrian Street Lights	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Street trees (24" boxes)²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Medians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
New landscaped medians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Refurbish ex. medians	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Gateway Enhancements	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Landscaping, signs, lighting, art	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pocket Parks	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
To be located in conjunction with Strategic Plan Development Nodes and Housing Corridors.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Vacant Lot/SCE Setback Landscaping	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Back-up Lot Landscaping	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Underground utilities	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Add to SCE underground program	NA	NA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

¹ Pedestrian amenities to be installed along the Development Nodes and Housing Corridors identified in the Strategic Guide.

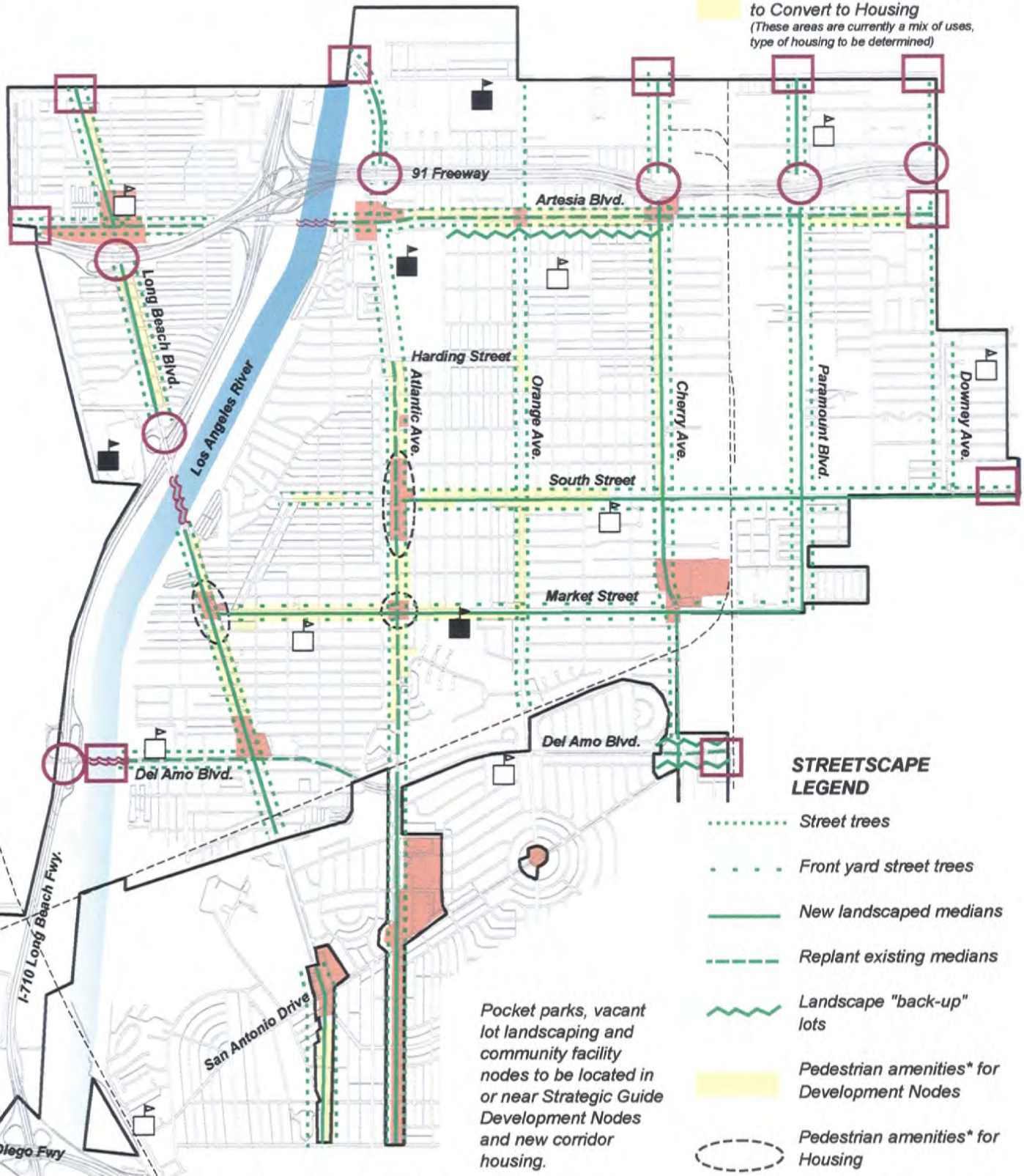
² Street trees to be planted in parkways along housing/industrial corridors and in tree wells at Development Nodes. Irrigation to be added by property owner in conjunction next discretionary approval (e.g., building permit, zone change, CUP), with 3-5 years of watering by water truck in the interim.

³ Trees to be planted in front yards of existing and new development projects.

North Long Beach Public Works Master Plan Streetscape Improvements

Relationship to Strategic Guide

- Commercial/Mixed-Use Development Nodes
- Existing Commercial Corridors to Convert to Housing
(These areas are currently a mix of uses, type of housing to be determined)



STREETSCAPE LEGEND

- Street trees
- Front yard street trees
- New landscaped medians
- Replant existing medians
- Landscape "back-up" lots
- Pedestrian amenities* for Development Nodes
- Pedestrian amenities* for Housing
- Gateways: Freeway off ramps
- Major streets at City limit
- River crossings

Pocket parks, vacant lot landscaping and community facility nodes to be located in or near Strategic Guide Development Nodes and new corridor housing.

1" = 1/2 mile

* Pedestrian amenities may include:
 Development Nodes - street lights, corner curb extensions, decorative crosswalks, benches, trash cans & other furnishings, as well as street trees and medians.
 Housing - street lights, zebra striped crosswalks & curb extensions, as well as street trees and medians.

North Long Beach Public Works Master Plan Streetscape Improvement Examples

Traffic calming and pedestrian amenities

Pedestrian street lights illuminate the sidewalk and add visual interest.



Corner curb extensions and crosswalks make it easier for pedestrians to cross the street.



Seating makes waiting for the bus more comfortable.



Street furniture provides essential services.



Amenities encourage activity and enliven the street.



Street trees can change the look of the street, provide shade, screen power lines, and increase property values.



Landscaped medians include trees and groundcover.



Landscaped setbacks can improve vacant lots and SCE ROW.



Pocket parks can be created from small lots, corners of shopping malls and unused right-of-way.



Gateways from the freeways and on major streets may include landscaping, lighting, signs and public art.



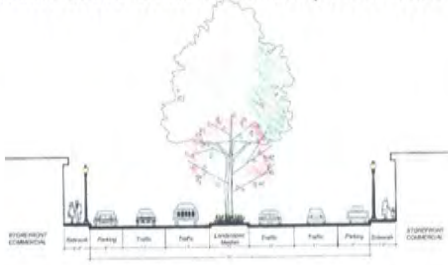
Public art can be integrated into all improvements.



Streetscape Improvements by Street

ATLANTIC AVENUE - 4.0 miles

Cross section along existing storefront buildings with 6.5' wide sidewalks at the South St. Development Node:



Cross section in Bixby Knolls and along Development Nodes and housing corridors with new development set back to provide wider (min. 8 to 10') sidewalks:



Existing Future

Midblock crossing, median & street lights at South St.:



Recently installed medians in Bixby Knolls:



Sidewalks along existing storefronts on Atlantic Av. and Long Beach Blvd.:



Long Beach Blvd. north gateway with 1) SCE right-of-way landscaped and 2) median added:



LONG BEACH BOULEVARD - 3.0 miles

Cross section along existing storefront buildings at the Market St. Development Node:



Cross section along other segments of Long Beach Blvd. where medians can be accommodated:



Typical view of Long Beach Blvd.:



Possible parking lot/bus stop landscaping on Long Beach Blvd. at Market St.:



Long Beach Blvd. where medians can be accommodated:

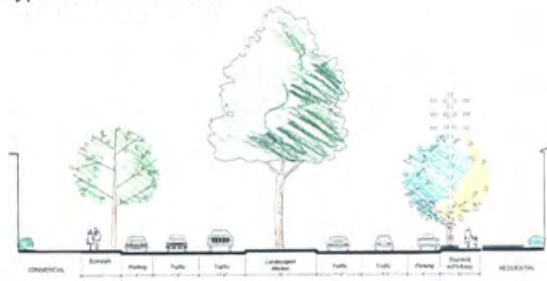


Streetscape Improvements by Street

Existing Future

ARTESIA BOULEVARD - 3.3 miles

Typical cross section:



Typical view of Artesia Blvd.:



Cherry St. where the median already exists:

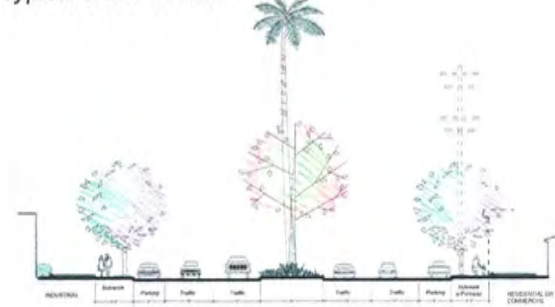


Typical view of Cherry St. north of the existing median:



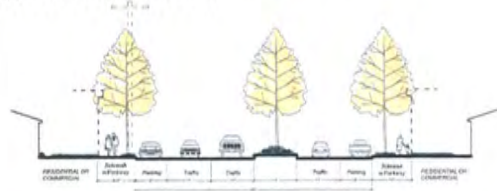
CHERRY AVENUE - 2.5 miles

Typical cross section:



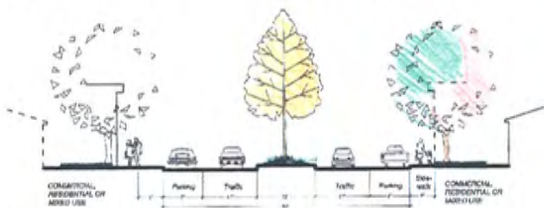
SOUTH STREET - 2.6 miles

Typical cross section:



MARKET STREET - 2.1 miles

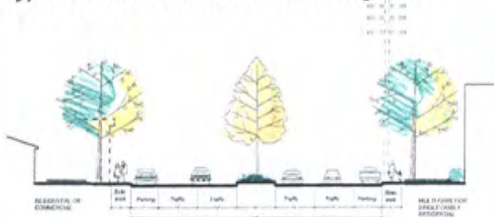
Typical cross section west of Orange Av.:



Illustrative pocket park at Market and Dairy:



Typical cross section east of Orange Av.:



Typical view of Market Street east of Orange Av.

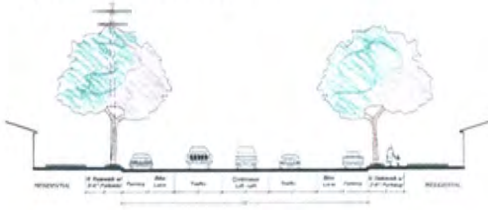


Streetscape Improvement Options by Street

Existing Future

ORANGE AVENUE - 2.5 miles

Typical cross section:

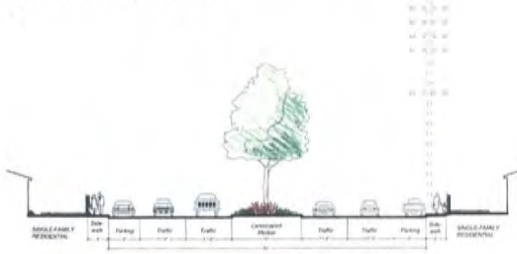


Typical view of Orange Av. where in-fill street trees are needed.



DEL AMO BOULEVARD - 1.3 miles

Typical cross section:

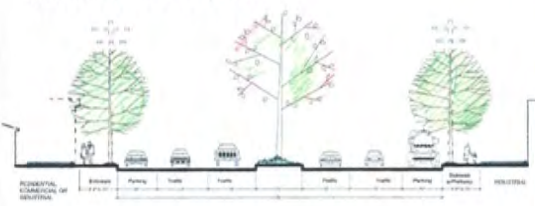


Typical view of Del Amo Blvd. with existing median:



PARAMOUNT BOULEVARD - 1.9 miles

Typical cross section:



Typical view of Paramount Blvd.



DOWNEY AVENUE - 1.5 miles

Typical cross section north of Harding St.:



Downey Avenue at the SCE right-of-way



Typical cross section south of Harding St.:



Typical view of Downey Avenue south of Harding St.



**North Long Beach Public Works Master Plan
Preliminary Street Tree List for Major Boulevards**

Sidewalks			Median		
	Botanical Name	Common Name	Botanical Name	Common Name	Common Name
North-South Streets					
Long Beach Boulevard					
North of River	<i>Koelreuteria bipinnata</i>	Chinese Flame	<i>Jacaranda mimosifolia</i>	Jacaranda	Jacaranda
South of River	<i>Platanus acerifolia</i> 'Columbia'	London Plane	<i>Jacaranda mimosifolia</i>	Jacaranda	Jacaranda
Atlantic Avenue					
North of the Railroad	<i>Ginkgo biloba</i>	Ginkgo	<i>Eucalyptus* & Chorisia speciosa*</i>	Eucalyptus & Floss Silk	Eucalyptus & Floss Silk
South of the Railroad	<i>Washingtonia filifera*</i> & <i>Pyrus calleryana</i> 'Bradford'	Mexican Fan Palm/ Bradford Pear	<i>Jacaranda mimosifolia*</i>	Jacaranda	Jacaranda
Orange Avenue	<i>Jacaranda mimosifolia*</i>	Jacaranda	NA		
Cherry Avenue	<i>Koelreuteria bipinnata</i>	Chinese Flame	<i>Washingtonia filifera</i> / <i>Koelreuteria bipinnata</i>	Mexican Fan Palm/ Chinese Flame	Mexican Fan Palm/ Chinese Flame
Paramount Boulevard	<i>Tristania conferta</i>	Brisbane Box	<i>Lagerstroemia indica x fauriei</i> & <i>Pinus caneriensis</i>	Crape Myrtle & Canary Island Pine	Crape Myrtle & Canary Island Pine
Downey Avenue					
South of Poppy	<i>Tipuana tipu*</i>	Tipu	NA		
North of Poppy	<i>Tristania conferta</i>	Brisbane Box	NA		
East-West Streets					
Artesia Boulevard					
Along storefront commercial	<i>Ginkgo biloba</i>	Ginkgo	<i>Eucalyptus* & Chorisia speciosa*</i>	Eucalyptus & Floss Silk	Eucalyptus & Floss Silk
Other locations	<i>Geijera parvifolia</i>	Australian Willow	<i>Eucalyptus* & Chorisia speciosa*</i>	Eucalyptus & Floss Silk	Eucalyptus & Floss Silk
South Street	<i>Platanus acerifolia</i> 'Columbia'	London Plane	<i>Platanus acerifolia</i> 'Columbia'	London Plane	London Plane
Market Street	Alternating <i>Ginkgo biloba</i> & <i>Lagerstroemia indica x fauriei</i>	Ginkgo Crape Myrtle	Alternating <i>Ginkgo biloba</i> & <i>Lagerstroemia indica x fauriei</i>	Ginkgo Crape Myrtle	Ginkgo Crape Myrtle
Del Amo Boulevard	<i>Magnolia grandiflora</i>	Southern Magnolia	Infill with existing species		

* Existing street tree.

**North Long Beach Public Works Master Plan
Proposed Street Trees**



London Plane (Sycamore) April-Nov.



Chinese Flame in flower



Chinese Flame January-April



Brisbane Box (evergreen)



London Plane December-March



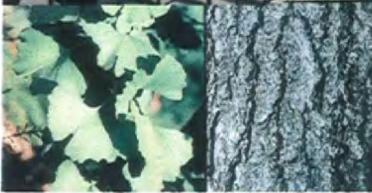
Ginkgo (deciduous)



Mexican Fan Palms alternating with canopy trees



Jacaranda June-March



Jacaranda in flower May or June



Magnolia (evergreen)



Australian Willow (evergreen)



Crape Myrtle (deciduous)