Ocean Beach Pedestrian Plan

Pedestrian Master Plan - Phase 4

Ocean Beach Community Description

The Ocean Beach Community is bounded on the north by the San Diego River, on the west by the Pacific Ocean, on the east by Froude Street and West Point Loma Boulevard, and on the south by Adair Street. East of Sunset Cliffs Boulevard, the land slopes upward.

The majority of Ocean Beach is developed with low and medium density residential uses. Newport Avenue serves as the primary commercial core for the community, characterized by street-fronting businesses served by diagonal parking. A smaller, similar commercial district is located on Voltaire Street.

Streets in Ocean Beach are laid out in a traditional grid pattern, with regional access provided by Nimitz Boulevard, Sunset Cliffs Boulevard, and West Point Loma Boulevard at the northern tip of the community.

Community Outreach

The project was presented to the Ocean Beach Planning Board in September 2012. At that time, the Focus Area was presented and community members were encouraged to complete Walk Audits and the Online Survey. No surveys were completed online for the Ocean Beach community.

Ocean Beach residents and business owners were also invited to attend two Open House events held in December 2012 to review the recommendations for their community. At each Open House, recommendations for all Phase 4 communities were presented and participants were encouraged to provide input and complete surveys to share their thoughts and ideas on the plan. Open House participants returned a total of 41 survey forms, including one for the Ocean Beach Community.

Inventory of Missing Sidewalks and Curb Ramps

The City of San Diego and SANDAG provided detailed information regarding missing sidewalks and existing curb ramps. GIS files for existing sidewalks and curb ramps were provided by SANDAG and the City for inclusion in the base mapping efforts. A visual inspection of field conditions was conducted to verify the accuracy of the information provided and to identify the presence of sidewalk obstructions, pedestrian activity and other pedestrian issues in this community. Missing sidewalks and curb ramps are illustrated in **Exhibit OB-1**.

Route Types

All roadways within the Ocean Beach Community were classified based on pedestrian functionality as defined in the Phase I Framework Document. There are four key route types included in the Ocean Beach Area: District, Corridor, Connector and Neighborhood. **Exhibit OB-2** illustrates the Route Type Classifications defined within the Ocean Beach Community.

Focus Areas

Focus Areas narrow down the routes within each community studied in the Master Plan. In most cases routes that are not within the Focus Area are located in low density residential areas, industrial areas, or areas with low demand for pedestrian activity.

The Pedestrian Priority Model (PPM) was used to calculate a priority score for all routes within Ocean Beach. Point values associated with each of the five key priority factors, as defined in the Phase I Framework Document, were summed to provide an overall priority score. Once the routes had an associated score, the mean and standard deviation was calculated specific for the Ocean Beach Community, which was used to determine the Tier 1 (highest ranking) and Tier 2 (second highest ranking) routes. Tier 1 and Tier 2 routes were included in the Focus Area. Focus areas were refined as a result of the existing conditions needs assessment and input from the community. **Exhibit OB-3** illustrates the Ocean Beach Focus Area routes.

District: A district route includes sidewalks in the more intensive mixed use and concentrated areas of the city.

Corridor: A corridor sidewalk is associated with major arterials and linear corridors with a moderate level of density.

Connector: A

connector sidewalk is often along a lower density corridor with few connections to adjacent land uses.

Neighborhood: A neighborhood sidewalk is limited to areas of lower density and single use residential areas.

Improvement Areas

Overlaying the existing conditions, physical conditions assessment and community input, Improvement Areas were defined within the Focus Area for the Ocean Beach Community. Improvement Areas are defined as either intersection improvements or corridor improvements. Intersection improvements focus on a single intersection or a group of intersections within a reasonable proximity of one another. Corridor improvements focus on improvements either along a roadway or through a series of intersections.

For the Ocean Beach Community, eight Improvement Areas were defined, which are illustrated in **Exhibit OB-4** and summarized in the following Table. Following the exhibit and table, recommendations for each Improvement Area are described in detail.

Priority Score

The Improvement Areas and recommended projects within each improvement areas were then evaluated against priority ranking criteria established during Phase I of the Pedestrian Master Plan.



Priority scores were based on issues and recommendations associated with walkability, safety, connectivity and accessibility.

Improvement Area Recommendations

| Improvement Area | Recommendations | Priority Score |
|--|---|-------------------|
| OB-1 Nimitz Boulevard at West Point Loma Boulevard Intersection Improvements | Evaluate feasibility of modifying intersection to improve pedestrian safety at free right turns and reduce pedestrian crossing distances. Repair deteriorating and/or missing sidewalk and ADA compliant ramps. | 14 |
| OB-2 Newport Avenue / Abbott Street Beach Access Improvements | Implement improvements at Abbott / Newport to direct pedestrians through the intersection, improve visibility of pedestrians, and develop clear path of travel. | 6 |
| OB-3 Bacon Street at Newport Avenue Intersection Improvements | Implement improvements to improve walkability and visibility of pedestrians at the intersection. | 30 |
| OB-4 Bacon Street at West Point Loma Boulevard Intersection | Evaluate to Reconfigure intersection to reduce crossing distances and implement missing sidewalk. | 18 |
| OB-5 Voltaire Street Connectivity Improvements | Provide treatments at intersections, especially at cross streets of Bacon and West Point Loma, to reduce crossing distance and improve visibility of pedestrians. | 18 |
| OB-6 Newport Avenue and Santa Monica Avenue Walkability Improvements | Improve walkability along the commercial corridor and near the school and community center by improving visibility of pedestrians and reducing pedestrian crossing distances. | 27 |
| OB-7 Sunset Cliffs Walkway Project | Implement walkway to provide connectivity from Ocean Beach into neighboring communities. | 16.5 |
| OB-8 Saratoga Beach Access | Improve connection to beach from Abbott Street. | |
| OB-9 Park Connectivity Study | Conduct a feasibility study to determine physical improvements to improve pedestrian connectivity including pedestrian bridges, pedestrian signals, and sidewalk connections. | |

| Ocean Beach Pedestrian Plan |
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Exhibit OB-1: Missing Sidewalk and Curb Ramps

San Diego Pedestrian Master Plan Phase 4: Ocean Beach



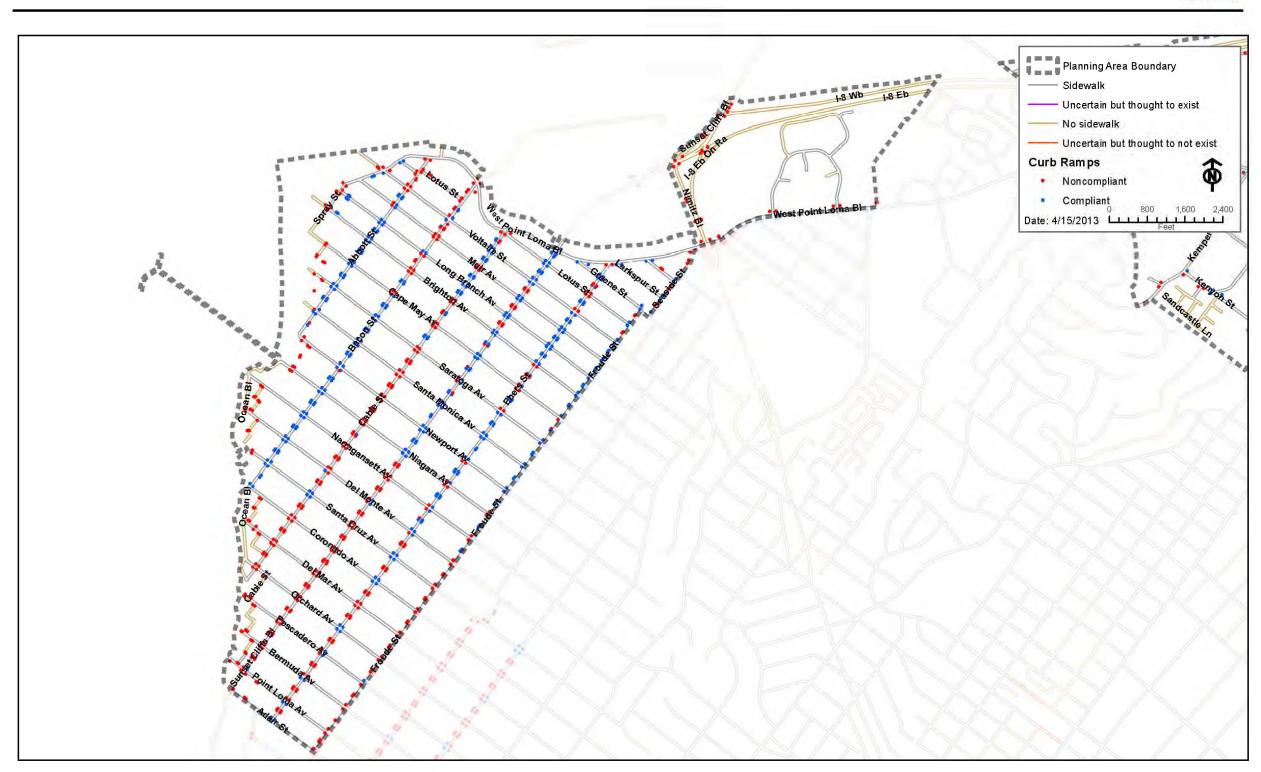


Exhibit OB-2: Route Type Classifications

San Diego Pedestrian Master Plan Phase 4: Ocean Beach - Midway - Pacific Highway - Old Town



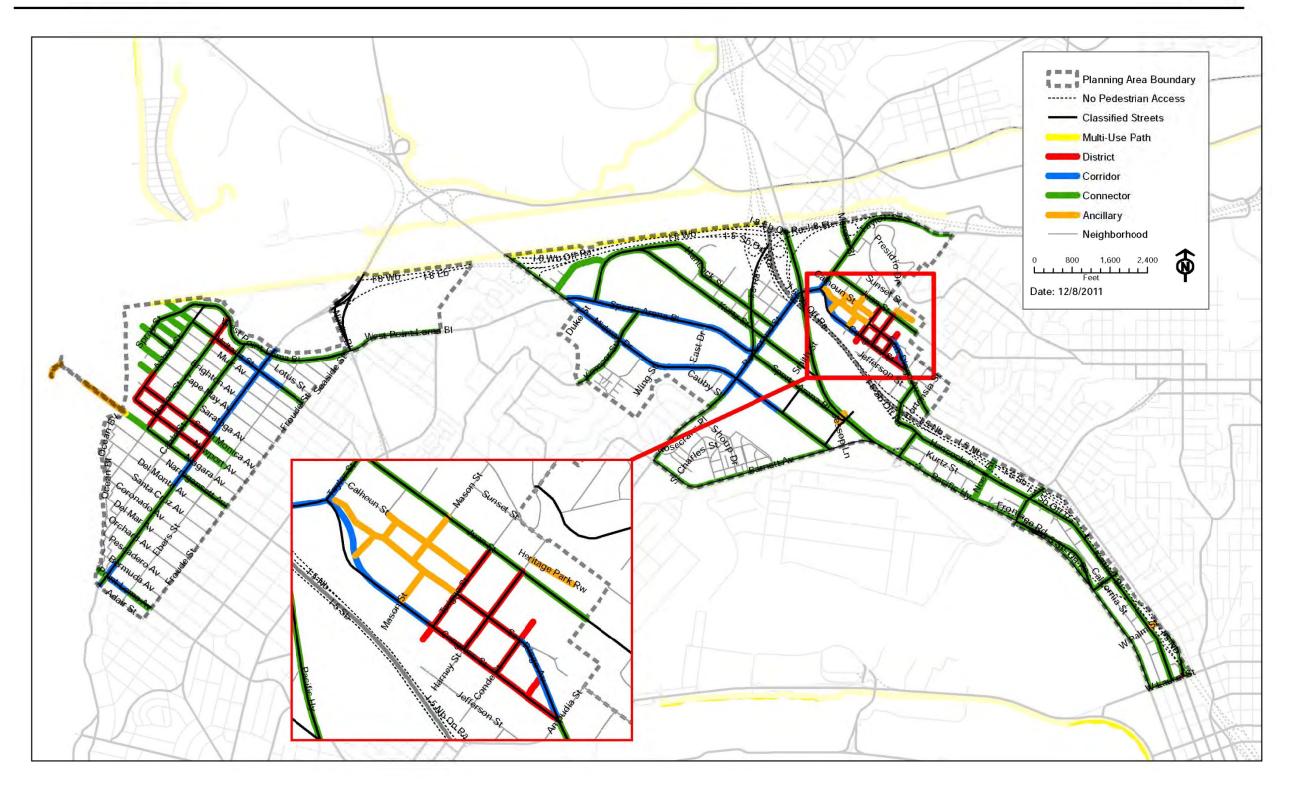


Exhibit OB-3: Focus Area

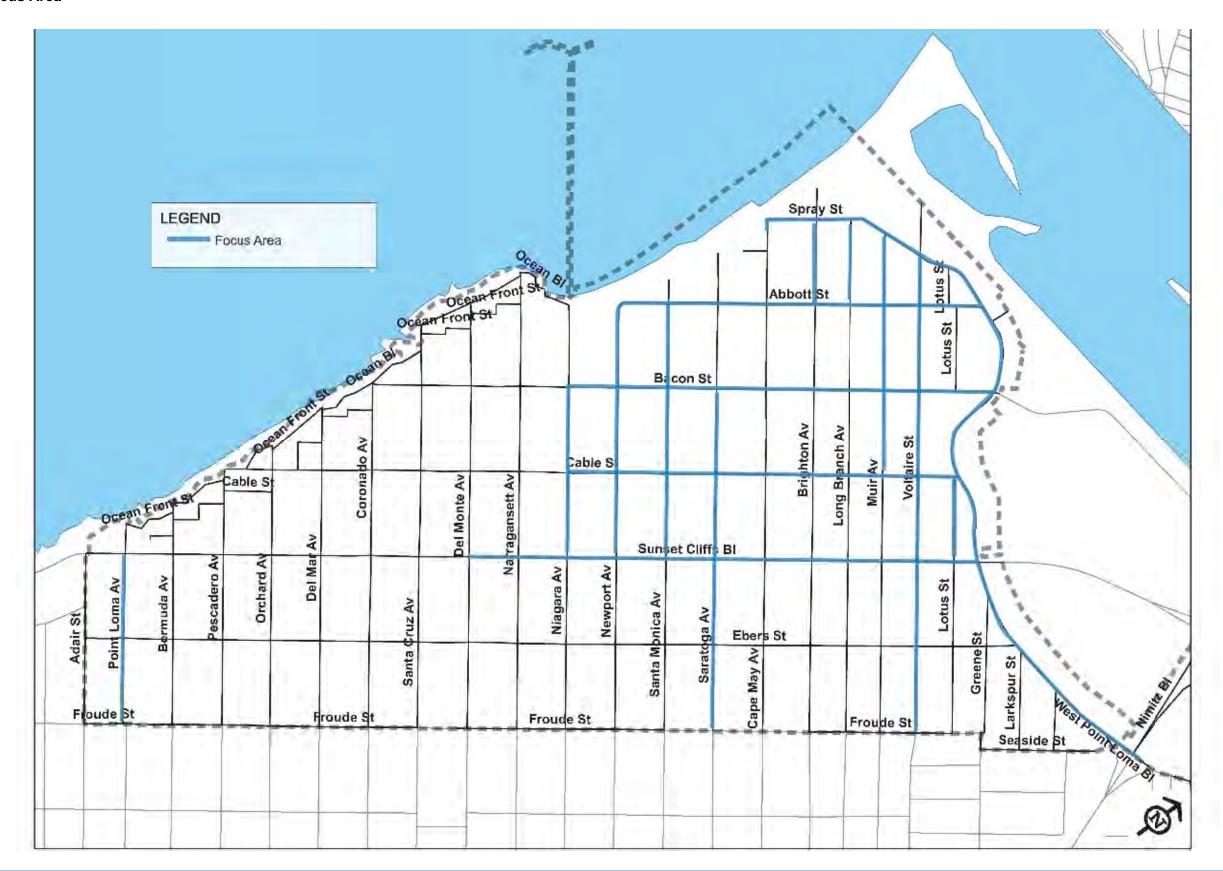
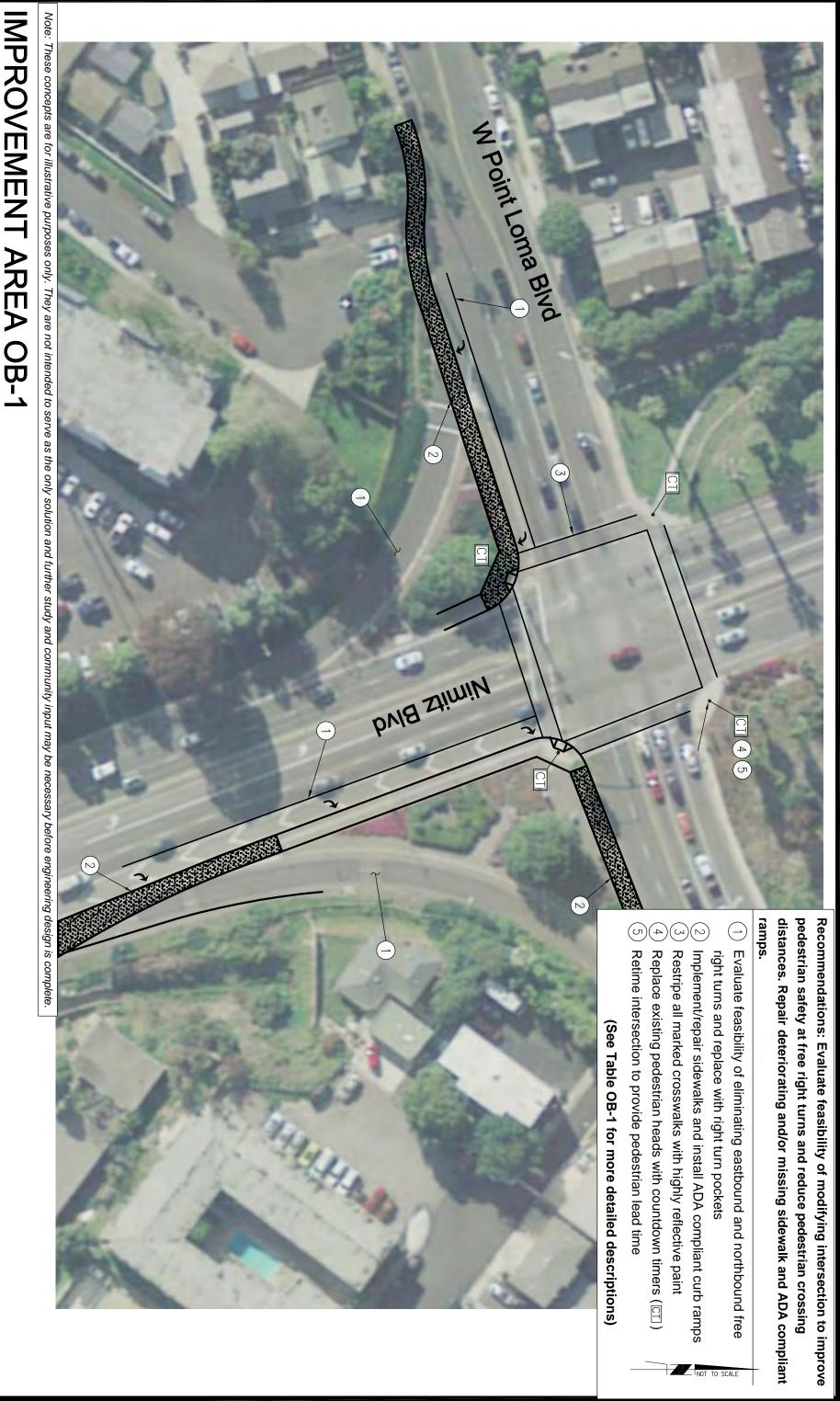


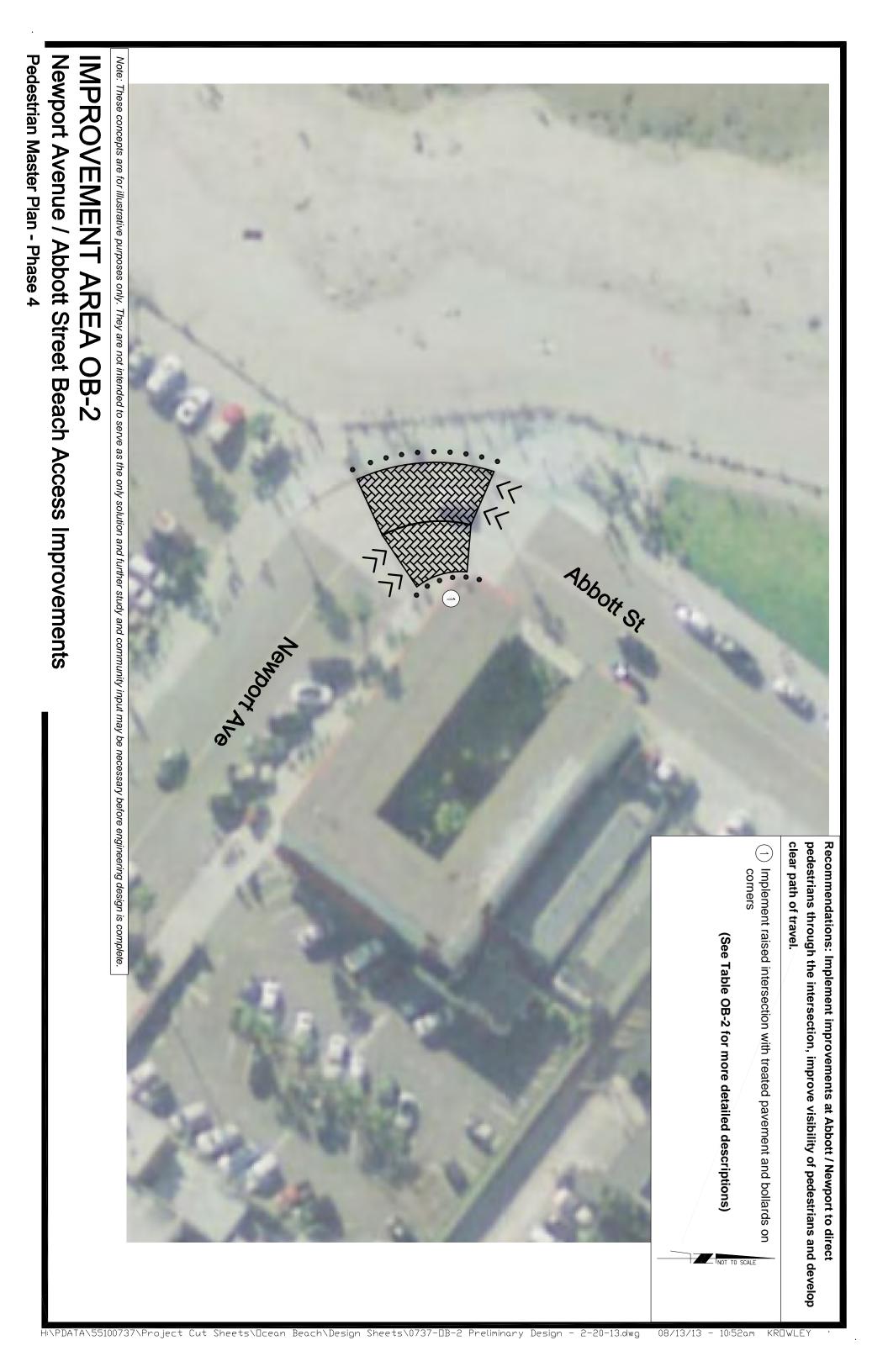
Exhibit OB-4: Improvement Areas

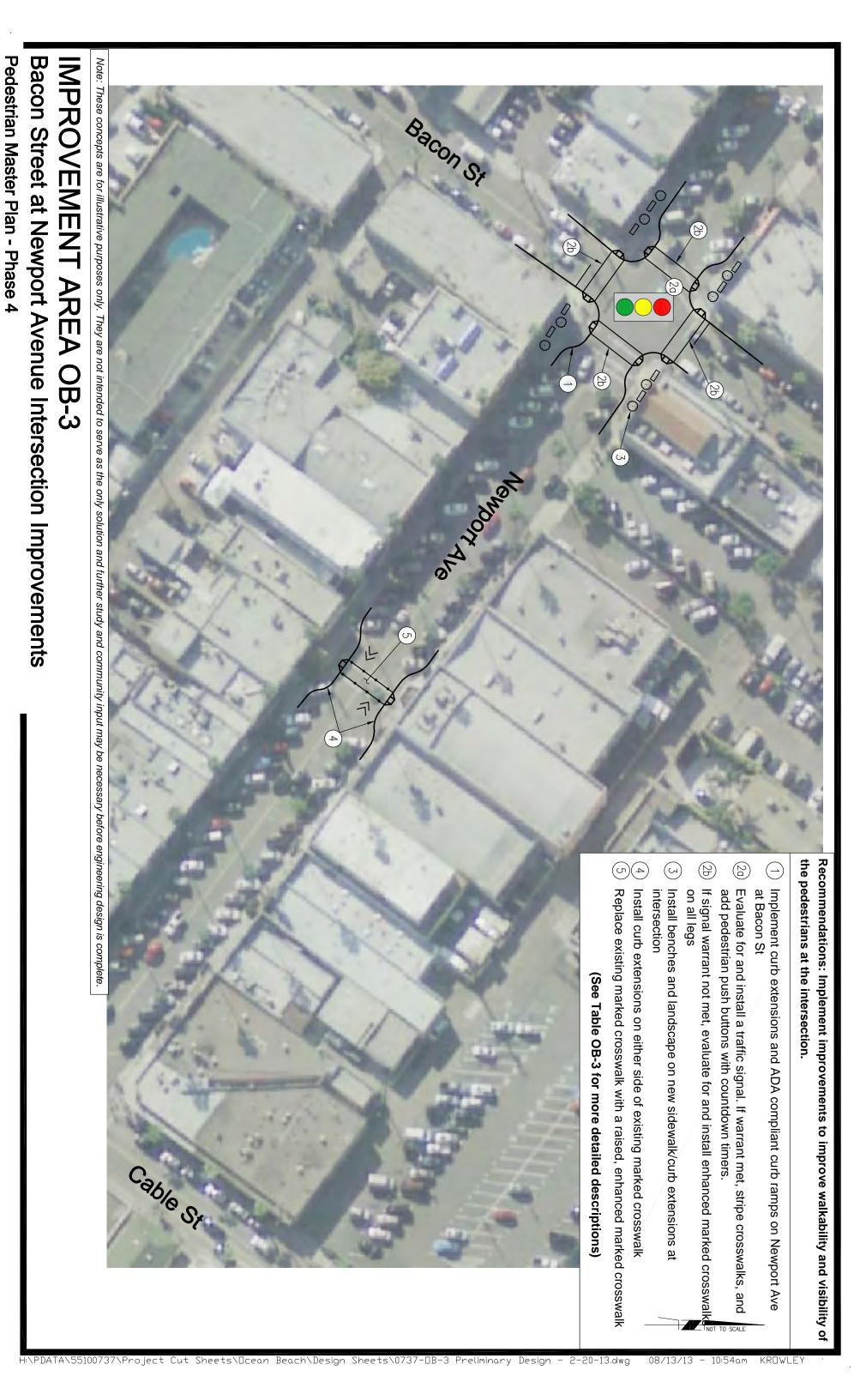


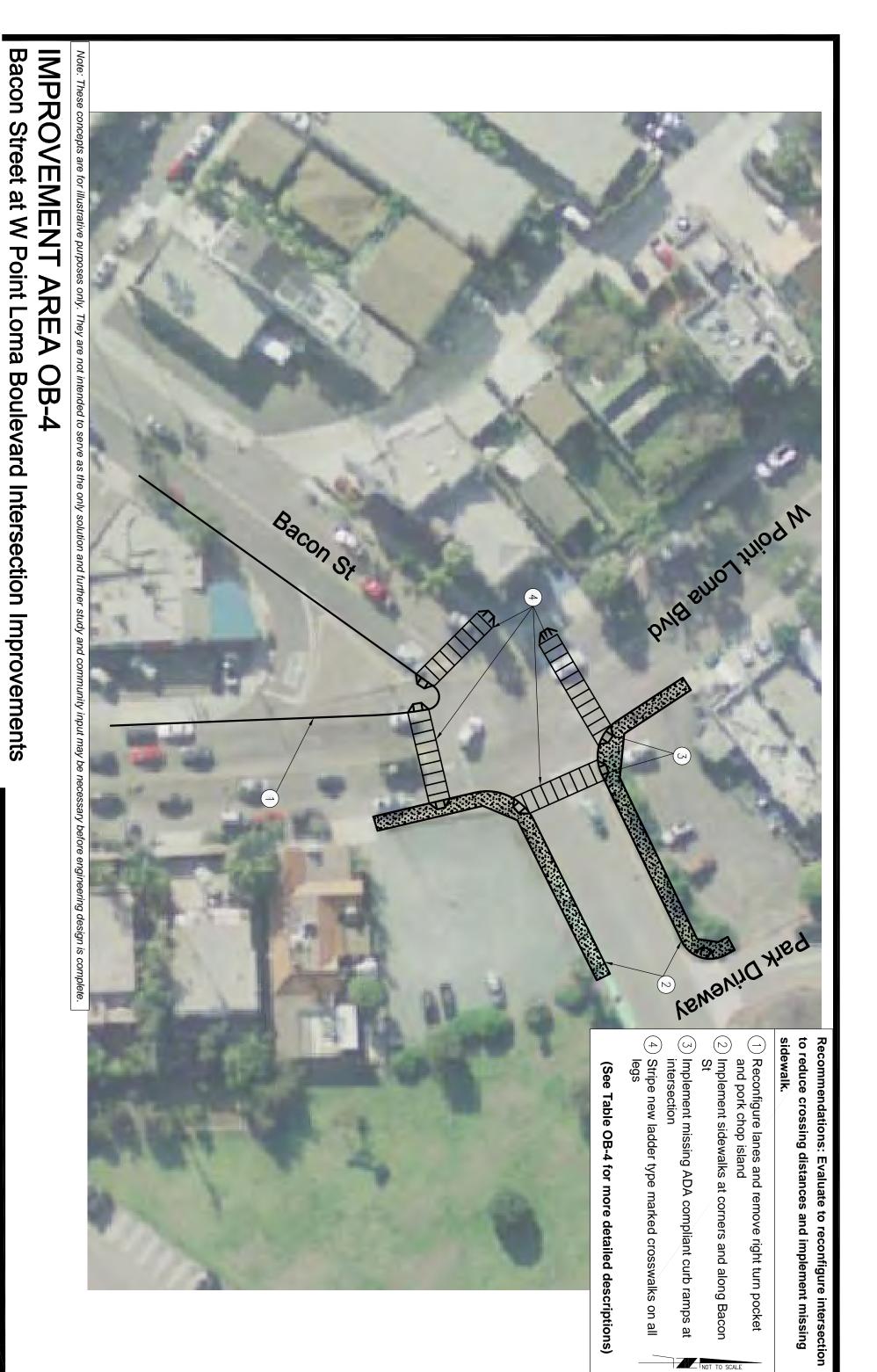


Pedestrian Master Plan - Phase 4

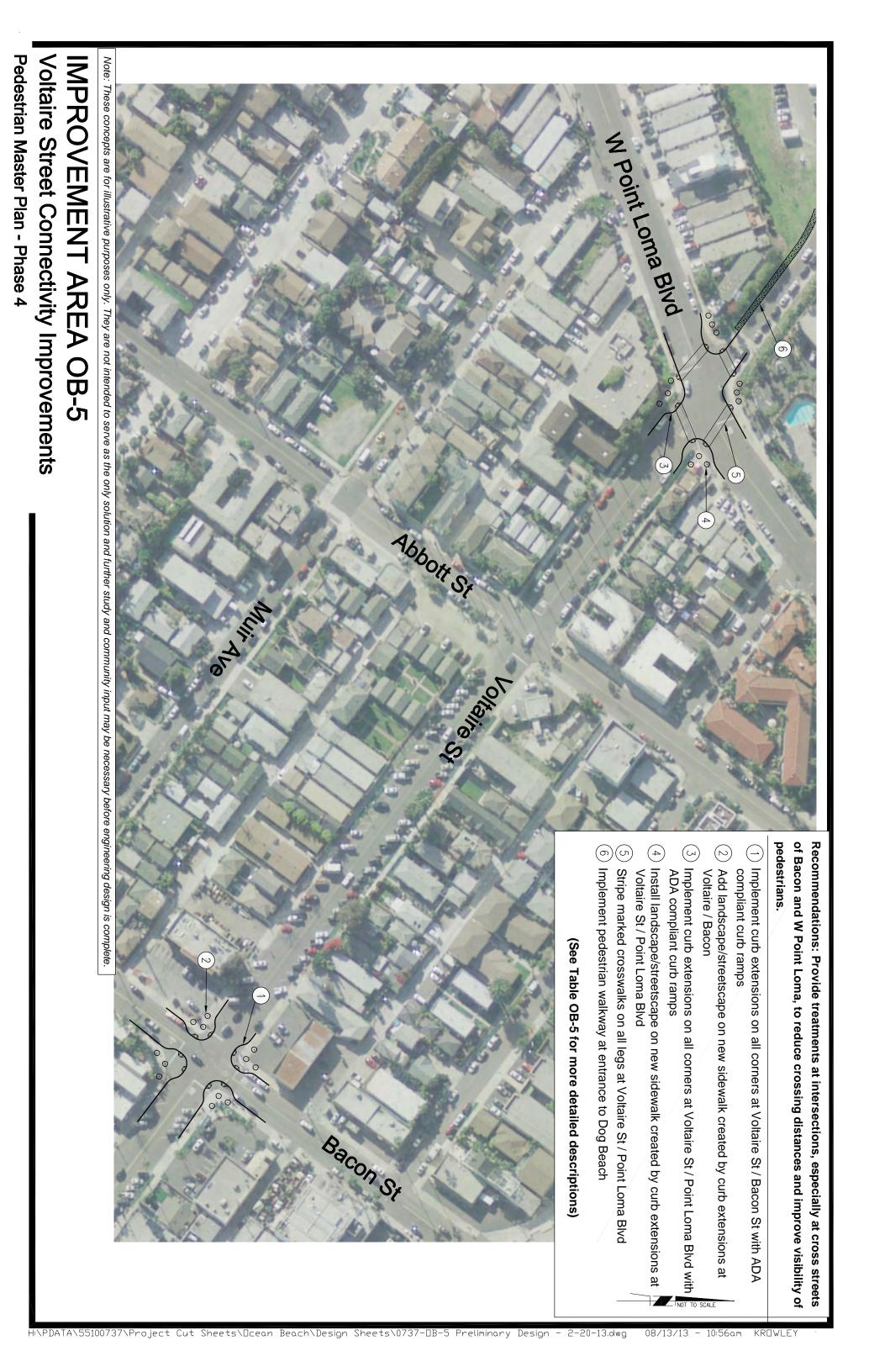
Nimitz Boulevard at W Point Loma Boulevard Intersection Improvements

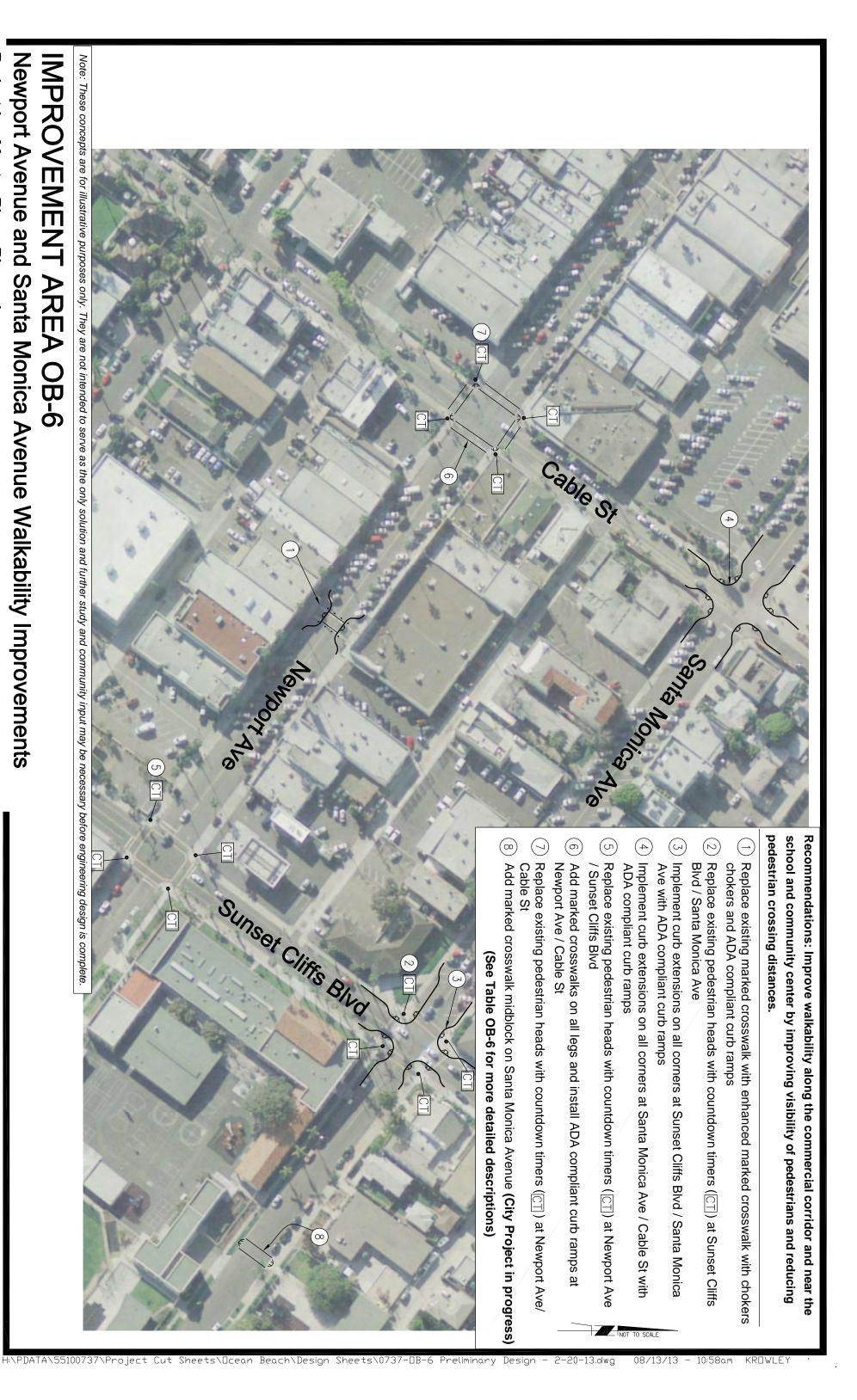






Pedestrian Master Plan - Phase 4





Pedestrian Master Plan - Phase 4



08/13/13 - 11:00am KRUWLEY

Pedestrian Master Plan - Phase 4

connections. Recommendations: Conduct a feasibility study to determine physical include assessment of pedestrian bridges, pedestrian signals and sidewalk improvements to improve pedestrian connectivity. The study should





IMPROVEMENT AREA OB-9

Park Connectivity Study

Pedestrian Master Plan - Phase 4

H:\PDATA\55100737\Project Cut Sheets\Ocean Beach\Design Sheets\0737-0B-9 Preliminary Design - 08-08-13.dwg 08/08/13 - 11:24am krowley

Improvement Area OB-1:

Nimitz Boulevard at West Point Loma Boulevard Intersection Improvements

Purpose & Need:

The intersection of Nimitz Boulevard and West Point Loma Boulevard is one of the main entry points for vehicles into the community of Ocean Beach. High vehicle volumes and wide cross sections make it an unwelcoming environment for pedestrians. Incomplete or missing sidewalks, multiple free right turns with non-yielding vehicles, and long crossing distances are just a few of the things that make this intersection challenging for pedestrians. This project would evaluate the feasibility of modifying the intersection to improve pedestrian safety.







Recommended Improvements:

Evaluate feasibility of modifying intersection to improve pedestrian safety at free right turns and reduce pedestrian crossing distances. Repair deteriorating and/or missing sidewalk and ADA compliant ramps.

Table OB-1: Nimitz Boulevard at West Point Loma Boulevard Intersection Improvements

| Location | | Description | Goal (1) | Objective | Est. Cost |
|----------|-----|---|----------|--------------------------------|-----------|
| West | 1) | Evaluate feasibility of eliminating eastbound | S | Improve safety at free right | \$50,000 |
| Point | | and northbound free right turns and | | turns | |
| Loma | | replacing with right turn pockets. | | | |
| Blvd at | 2) | Implement/repair sidewalks along the south | A, C | Provide connected pedestrian | \$213,000 |
| Nimitz | | side of W Point Loma Blvd and east side of | | path and bridge gaps of | |
| | | Nimitz Blvd and install ADA compliant curb | | eliminated free right turns. | |
| | | ramps | | Provide access for all users. | |
| | 3) | Restripe marked crosswalks with highly | S | Improve visibility of | \$3,000 |
| | | reflective paint | | pedestrians | |
| | 4) | Replace existing pedestrian heads with | S | Prevent pedestrians from | \$24,000 |
| | | countdown timers | | crossing at end of phase | |
| | 5) | Retime intersection to provide lead time for | A, S | Improve visibility of | \$1,000 |
| | | pedestrians to cross ahead of turning traffic | | pedestrians and avoid vehicle- | |
| | | | | pedestrian conflicts | |
| TOTAL E | STI | MATED COST | | | \$291,000 |

(1) A = Accessibility

S = Safety

C = Connectivity W = Walkability

Improvement Area OB-2:

Newport Avenue / Abbott Street Beach Access Improvements

Purpose & Need:

Abbott Street is a beach front access road that connects commercial and residential uses to the coastal attractions. Abbott Street intersects with Newport Avenue to the south, a popular route to the beach and also a 90 degree curve with visibility constraints. There are no marked crosswalks at this location resulting in an unclear path of travel for pedestrians, who often cross diagonal through the intersection. High volumes of both pedestrians and vehicles during summer months make this an difficult location for pedestrians to cross. This project would improve visibility of pedestrians and direct them through the intersection with a clear path of travel.



Abbott Street southbound at Newport





Aerial view of intersection

Recommended Improvements:

Implement improvements at Abbott / Newport to direct pedestrians through intersection, improve visibility of pedestrians, and develop clear path of travel.

Table OB-2: Newport Avenue / Abbott Street Beach Access Improvements

| Location | Description | Goal (1) | Objective | Est. Cost | |
|--------------------------------|---|----------|---|-----------|--|
| Abbott Street / Newport Avenue | Implement a raised intersection with treated pavement and bollards on corners | W, S | Improve pedestrian visibility at the curve; Reduce vehicle speeds | \$162,000 | |
| TOTAL ESTIMATED COST | | | | | |

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Improvement Area OB-3:

Bacon Street at Newport Avenue Intersection Improvements

Purpose & Need:

The intersection of Bacon Street and Newport Avenue is located in the center of shopping, cafes, and bars all within walking distance of the beach. Although the area encourages pedestrian activity, it lacks some pedestrian amenities like marked crosswalks. A review of accident history in the past 5 years shows that 6 pedestrian related accidents have been reported at this intersection. This project would improve visibility of pedestrians and improve walkability in the area.



Newport Avenue at Bacon Street



Recommended Improvements:

Implement improvements to improve walkability and improve visibility of pedestrians at the intersection.

Table OB-3: Bacon Street at Newport Avenue Intersection Improvements

| Location | Desc | ription | Goal ⁽¹⁾ | Objective | Est. Cost |
|-------------------------|-----------------|------------------|---------------------|-----------------------|------------------------|
| Bacon Street at Newport | 1) Implement | | S | Improve pedestrian | \$84,000 |
| Avenue | extensions | on all of the | | visibility behind | |
| | intersection | n. | | diagonal parking | |
| | 2a) Evaluate fo | or and install a | A, S | Improve pedestrian | \$31,875 |
| | traffic sign | al. Stripe | | access at | + \$250,000 |
| | marked cro | osswalks on all | | intersection | = \$256,875 |
| | legs and in | stall pedestrian | | | |
| | push butto | ons and | | | |
| | countdowr | n timers. | | | |
| | 2b) IF WARRAN | ITS ARE NOT | S, W | Improve walkability | \$64,375 |
| | MET – Eval | luate for and | | and visibility of | |
| | install enh | anced marked | | pedestrians | |
| | crosswalks | on all legs | | | |
| | including r | eflective paint | | | |
| | and signag | | | | |
| | 3) Install land | • | W | Improve walking | \$40,000 |
| | | n new sidewalks | | environment | |
| | created by | | | | |
| | extensions | | | | |
| Newport Avenue | , | extensions on | S | Improve pedestrian | \$36,000 |
| | | of the existing | | visibility and | |
| | | osswalk midway | | decrease vehicle | |
| | | Bacon and Cable. | | speeds | |
| | | isting marked | S | Improve pedestrian | \$15,000 |
| | | with a raised, | | visibility and safety | |
| | enhanced | crosswalk. | | at existing marked | |
| | | 1.5 | | crosswalk. | 6404 6== |
| TOTAL ESTIMAT | FD COST | (Option 2a) | | | \$431,875 \$239,375 |
| (Option 2b) | | | | | |

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Improvement Area OB-4:

Bacon Street at West Point Loma Boulevard Intersection Improvements

Purpose & Need:

The intersection of West Point Loma Boulevard and Bacon Street connects the Ocean Beach community with the Ocean Beach Bicycle Path and the Ocean Beach Athletic Area (Robb Field). Currently, there are no marked crosswalks at this intersection and the skewed northbound approach of Bacon Street results in a long crossing distance for pedestrians. Although Bacon Street leads into the Athletic Area of Robb Field, there are no sidewalks on either side of the street. This project would improve the connectivity between West Point Loma Boulevard and the nearby recreational areas.



Northeast corner of intersection with no sidewalks



Southwest leg of intersection



"Head in" parking on West Point Loma Boulevard

Recommended Improvements:

Evaluate the feasibility of reconfiguring the intersection to reduce crossing distance and implement missing sidewalk.

Table OB-4: Bacon Street at West Point Loma Boulevard Intersection Improvements

| Location | Description | Goal (1) | Objective | Est. Cost | |
|----------------------|---|----------|--------------------------------|-----------|--|
| West Point Loma | 1) Reconfigure northbound approach to | S, W | Improve pedestrian visibility; | \$77,000 | |
| Boulevard / | the intersection and remove right turn | | Reduce crossing distances; | | |
| Bacon Street | pocket and pork chop island | | Reduce vehicle turning speed | | |
| | 2) Implement sidewalk on the northeast | Α | Improve connectivity and | \$46,080 | |
| | and northwest corner and along Bacon | | access to the park | | |
| | Street | | | | |
| | 3) Implement missing ADA curb ramps at | Α | Improve access and walkability | \$27,000 | |
| | intersection | | for all users | | |
| | 4) Stripe ladder type marked crosswalks | W, C | Improve pedestrian visibility | \$3,000 | |
| | on all legs of the intersection | | and connectivity to the park. | | |
| TOTAL ESTIMATED COST | | | | | |

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Improvement Area OB-5:

Voltaire Street Connectivity Improvements

Purpose & Need:

Voltaire Street is a main connection to both the beach and the Ocean Beach bike path, resulting in high volumes of pedestrian and bicycle traffic. Traffic volumes and speeds on the road result in few gaps for crossing in between the intersections, which are spaced far apart. Intersections also lack pedestrian facilities like marked crosswalks and proper curb ramps. This project would improve facilities on the corridor to enhance connectivity to the beach and commercial uses.



Voltaire Street and West Point Loma Boulevard

Recommended Improvements:

Provide treatments at intersections, especially at cross streets of Bacon and West Point Loma, to reduce crossing distance and improve visibility of pedestrians.



Voltaire Street at Bacon Street

Table OB-5: Voltaire Street Connectivity Improvements

| Location | | Description | Goal (1) | Objective | Est. Cost |
|-----------------------------------|----------|--|----------|---|-----------|
| Voltaire Street at Bacon | 2) | Implement curb extensions on all corners of the intersection with ADA compliant curb ramps Add landscape/streetscape on new sidewalk created on curb extensions where possible | S | Improve pedestrian visibility and reduce crossing distance. Improve walking environment. | \$124,000 |
| Voltaire at Point Loma Blvd | 3) 4) | Implement curb extensions on all corners of the intersection with ADA compliant curb ramps Add landscape/streetscape on new sidewalk created by curb extension where possible. | S | Improve pedestrian visibility and decrease speeds through skewed intersection. Improve walking environment. | \$118,000 |
| | 5) | Stripe marked crosswalks on all legs of the all-way stop controlled intersection. | C, S | Improve visibility of pedestrians at intersection | \$3,000 |
| Voltaire Street | 6) | Implement pedestrian walkway at entrance to Dog Beach | С | Provide missing sidewalk link to beach | \$31,500 |
| TOTAL ESTIMATED COST | | | | | |

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Improvement Area OB-6:

Newport Avenue and Santa Monica Avenue Walkability Improvements

Purpose & Need:

The area enclosed by Santa Monica Avenue and Newport Avenue from Ebers Street to west of Cable Street is a main commercial area with high volumes of pedestrians. There have been a total of 7 pedestrian related accidents reported in the area over the past 5 years. Existing marked mid-block crosswalks are faded with age and are in need of restriping. The area also includes Ocean Beach Elementary School, where existing marked crosswalks need enhancements. This project would enhance existing facilities and add intersection improvements at crucial locations with heavy pedestrian volumes.

Recommended Improvements:

Improve walkability along the commercial corridor and near the school and community center by improving visibility of pedestrians and reducing pedestrian crossing distances. Improvements are detailed in the table below.



Santa Monica Avenue at Cable Street



Newport Avenue mid-block crosswalk



Santa Monica Avenue at Sunset Cliffs Boulevard

Table OB-6: Newport Avenue and Santa Monica Avenue Walkability Improvements

| Location | | Description | Goal (1) | Objective | Est. Cost |
|---|----|---|-------------|--|-----------|
| Newport Avenue | 1) | Replace existing marked crosswalk between Cable St and Sunset Cliffs Blvd with an enhanced marked crosswalk and chokers with ADA compliant curb ramps | S, W | Improve visibility of pedestrians | \$28,875 |
| Sunset Cliffs Blvd / Santa Monica Avenue | 2) | Replace existing pedestrian heads with countdown timers | S | Reduce potential for pedestrians crossing at the end of the phase | \$8,000 |
| | 3) | Implement curb extensions on all corners with ADA compliant curb ramps | S, W | Reduce crossing distance and reduce turning speeds. | \$84,000 |
| Santa Monica Avenue / Cable Street | 4) | Implement curb extensions on all corners with ADA compliant curb ramps | S, W | Improve visibility of pedestrians, reduce turning speeds and reduce crossing distance. | \$84,000 |
| Newport Avenue / Sunset Cliffs Blvd | 5) | Replace existing pedestrian heads with countdown timers | S | Reduce potential for pedestrians crossing at the end of the phase | \$8,000 |
| Newport Avenue / Cable Street | 6) | Add marked crosswalks on all legs and install ADA compliant curb ramps | A, W | ADA compliance and provide clear path for pedestrians | \$1,875 |
| | 7) | Replace existing pedestrian heads with countdown timers | S | Prevent pedestrians from crossing at the end of phase | \$8,000 |
| Santa Monica Avenue | 8) | Evaluate for a marked crosswalk midblock (City Project in Process) | S,C | Improve connectivity and provide for clear path of travel for pedestrians. | \$2,500 |
| TOTAL ESTIMATED COST | Τ | | | | \$225,250 |

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Improvement Area OB-7:

Sunset Cliffs Walkway Project

Purpose & Need:

Sunset Cliffs Boulevard enters the Ocean Beach community at Point Loma Boulevard with Robb Field to the west. The posted speed limit here is 45 mph which presents uncomfortable walking conditions along Sunset Cliffs Boulevard. Robb Field sits adjacent and presents a good alternative to walking along the busy street, but there are no connections to the internal park network from West Point Loma Boulevard or Sunset Cliffs Boulevard. This project would improve walkability at this gateway area to the community.



Lack of connections to internal park circulation from Sunset Cliffs Boulevard



Existing gateway sign on Sunset Cliffs Blvd



Existing entrance to Robb Field from Sunset Cliffs just north of Point Loma Boulevard

Recommended Improvements:

Implement walkway to provide connectivity from Ocean Beach into neighboring communities.

Table OB-7: Sunset Cliffs Walkway Project

| Location | Description | Goal (1) | Objective | Est. Cost |
|----------------------|--|----------|-----------------------------|-----------|
| | 1) Install new bike/ped path from | С | Provide connection to | \$81,000 |
| | Sunset Cliffs Blvd through parking lot | | recreational area | |
| | to access Robb Field | | | |
| | 2) Install street lighting to illuminate | S, W | Improve visibility of | \$180,000 |
| | bike/ped path | | pedestrians and walkability | |
| West Point Loma | 3) Provide sidewalk/walkway | С | Improve connection to Robb | \$81,000 |
| Boulevard | connection to Robb Field per Ocean | | Field from Point Loma Blvd | |
| | Beach Gateway project. | | | |
| TOTAL ESTIMATED COST | | | | |

(1) A = Accessibility

S = Safety

C = Connectivity W = Walkability

Improvement Area OB-8:

Saratoga Beach Access

Purpose & Need:

Saratoga Avenue offers direct access to the beach through the city park, and thus is a frequent recreational corridor with people walking and running in the street. West of Abbott Street, Saratoga Avenue is lacking sidewalks on both sides of the street and there is no clear path of travel for pedestrians through the park or to the beach. This project would improve the connection from Abbott Street to the beach along Saratoga Avenue.

Recommended Improvements:

Improve connection to beach from Abbott Street.



Entrance to Saratoga Avenue from Abbott Street



Park frontage on Saratoga Avenue

Table OB-8: Saratoga Beach Access

| Location | | Description | Goal (1) | Objective | Est. Cost |
|----------------------|----|--|----------|-------------------------|-----------|
| Saratoga Avenue | 1) | Evaluate the feasibility of implementing | C, W | Improve connection from | \$10,000 |
| | | a walkway within park to connect | | community to the beach | |
| | | beach, park and commercial areas | | and park | |
| TOTAL ESTIMATED COST | | | | | \$10,000 |

A = Accessibility S = Safety
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Improvement Area OB-9:

Park Connectivity Study

Purpose & Need:

The Ocean Beach community is fortunate to have a series of parks located adjacent to the Pacific Ocean. However, the parks are surrounded by high speed aterials that intersect at skewed angles resulting in difficult pedestrian crossing conditions. Near the intersection of Nimitz Boulevard and Famosa Boulevard is Correia local Middle School. Students are often observed crossing Nimitiz Boulevard, West Point Loma Boulevard and Sunset Cliffs Boulevard to access park amenities, such as the skate park.

Recommended Improvements:

Conduct a feasibility study to determine physical improvements to improve pedestrian connectivity. The study should include assessment of pedestrian bridges, pedestrian signals and sidewalk connections.



Table OB-9: Park Connectivity Study

| Location | Description | Goal (1) | Objective | Est. Cost | |
|-------------------|--|----------|-------------------------|-----------|--|
| Nimitz / W. Point | 1) Evaluate the feasibility of providing | C, W | Improve connection from | \$200,000 | |
| Loma / Sunset | improved pedestrian connection to local | | community to the beach | | |
| Cliffs | parks and beaches | | and park | | |
| TOTAL ESTIMA | TOTAL ESTIMATED COST | | | | |

(2) A = Accessibility S = Safety C = Connectivity W = Walkability