



Agenda Item #: _____

Staff Report

City of Manhattan Beach

TO: Honorable Mayor Cohen and Members of the City Council

THROUGH: Geoff Dolan, City Manager

FROM: Jim Arndt, Public Works Director
Steve Finton, City Engineer

DATE: September 15, 2009

SUBJECT: Consideration of Recommendations Regarding the Selection of Crosswalk Treatments to be Constructed as Part of the Highland Avenue Overlay Project.

RECOMMENDATION:

Staff recommends that the City Council consider options related to the installation of crosswalk pavement markings and provide direction as to which pattern and color to install as part of the Highland Avenue Overlay Project (15th Street to 45th Street).

FISCAL IMPLICATION:

The original bid estimate for installation of crosswalks as part of the Highland Avenue Overlay project is \$15,000 for standard ladder style crosswalks. The recommended enhanced crosswalk treatments are estimated to cost an additional \$124,000. It is recommended that the increase in costs be funded as follows:

- \$96,000 Highland Avenue Overlay Project
- \$28,000 North Manhattan Beach Business Improvement District (NMB-BID)

The Highland Avenue Overlay project (15th Street to 54th Street) was included in the fiscal year 2006-2007 and 2009-2010 Capital Improvement Programs. Funding in the amount of \$1,072,201 has been appropriated to the project from Federal STP-L funds(\$154,000), Proposition C funds (\$460,000) and funds provided through a fund exchange with the Metropolitan Transportation Authority (MTA)(\$458,201). It is estimated that current appropriations are sufficient to cover the cost of patterned crosswalks.

NMB-BID funds in the amount of \$550,000 are currently available to fund the NMB-BID Improvement Plan including patterned crosswalks.

BACKGROUND:

The North Manhattan Business Improvement District (NMB-BID) (see Attachment A) and the

City are undertaking concurrent projects to improve Highland Avenue. The limits of the NMB-BID are within the limits of the City's Highland Avenue Overlay Project (see Attachment B). City staff and the NMB-BID Board have been working together to coordinate the two efforts.

On July 21, 2009, City Council approved the work plan submitted by the NMB-BID. The plan consists of improvements in the Highland Avenue right-of-way as follows:

1. 40 additional trees
2. Construction of curb extensions at 6 locations
3. Installation of patterned crosswalks at 4 locations (8 crosswalks) on Highland Avenue:
 - Highland Avenue at Rosecrans Avenue, 5 crosswalks, all sides (existing painted crosswalks)
 - Highland Avenue at 36th Street, 1 crosswalk, north side (existing painted crosswalk)
 - Highland Avenue at 35th Street, 1 crosswalk, north side (existing painted crosswalk)
 - Highland Avenue at 34th Street, 1 crosswalk, north side (existing painted crosswalk)

At the July 21, 2009 meeting, staff also requested that City Council consider installing enhanced patterned crosswalks as part of the Highland Avenue Overlay project in lieu of standard crosswalk treatments. Council directed staff to include the patterned crosswalks in the Highland Avenue Overlay bid documents as an alternate bid item to permit inclusion in the contract if favorable bids were received. Council also directed staff to determine if patterned crosswalks were not installed, could surplus project funding be diverted to other street projects impacted by the State fiscal crisis. Staff's response to this request is provided later in this report.

At its regular meeting on September 2, 2009, The NMB-BID Board selected a style and color for patterned crosswalks at the 8 crosswalks included in the plan. The NMB-BID selection is discussed below.

DISCUSSION:

NMB-BID Crosswalk Recommendation

On September 2, 2009, the NMB-BID Board approved recommending to Council that patterned crosswalks be installed as shown in Attachment C. The Board recommends the use of a product called DuraTherm. DuraTherm is an inlaid thermoplastic material available in many colors and patterns. The NMB-BID selected an open radial lacework print 15 feet wide with light blue internal panels and white borders. Four crosswalks at Rosecrans Avenue would include an additional graphic consisting of an 8 foot diameter image of a wave and pier.

The NMB-BID Board requests that the color be unique to the NMB-BID. If the City elects to install patterned crosswalks elsewhere on Highland Avenue, the NMB-BID requests that another color be used

Highland Avenue Overlay project

The Highland Avenue Overlay project will mill and overlay the existing pavement surface from 15th Street to 45th Street. Upon completion, 24 existing crosswalks will be restored including the

8 crosswalks recommended for patterned crosswalks in the NMB-BID plan. It is recommended that the use of patterned crosswalks be expanded to include the 16 crosswalks not included in the NMB-BID plan.

Various patterned crosswalk styles and colors are available for Council consideration; however, staff recommends using of the same DureTherm material and the same pattern recommended by the NMB-BID (see Attachment D). The crosswalks would differ from the NMB-BID crosswalks in that they would be only 10 feet wide and the lacework would be white. See comparison of NMB-BID vs. City crosswalks (Attachment E).

Cost

It is recommended that the Highland Avenue Overlay project fund the patterned crosswalk upgrades within the project limits up to ten feet in width. It is recommended that additional width or features requested by the NMB-BID be funded with NMB-BID funds. Using this methodology, costs to the NMB-BID are estimated to be \$28,000 with the remaining \$96,000 in upgrade costs funded through the Highland Avenue Overlay project.

Maintenance

The DuraTherm crosswalk material would last the life of the pavement. Once installed, the material would not require maintenance unless disrupted by pavement failure or utility trenching. Portions damaged by utility trenching would be repaired as part of the utility project.

Schedule

The Highland Avenue Overlay project is scheduled for construction starting in February 2010 with completion by April 30th. The curb extension element of the NMB-BID improvement plan is under design with construction scheduled for January 2010. The patterned crosswalks would be installed at the end of the Highland Avenue construction period.

Use of Fund Balance on Other Projects

Proposition C and STPL exchange funds are appropriated to the Highland Avenue Overlay Project. These funds can be used on arterial streets only. If a fund balance remains after project completion, those funds must be used on an arterial street. Eligible projects within the City's Capital Improvement Program would include the Sepulveda Bridge Widening project and the Highland/Manhattan Avenue Improvement project (1st Street to 8th Street).

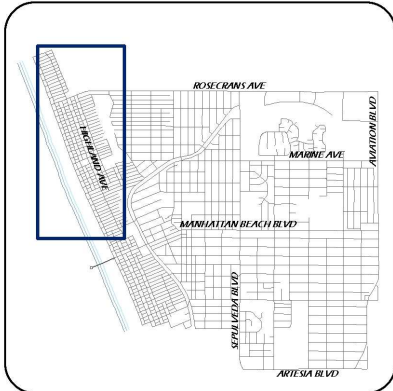
- Attachments:
- A) Map of NMB-BID
 - B) Map of Highland Avenue Overlay Project
 - C) NMB-BID Crosswalk Recommendations (3 pages)
 - D) City crosswalk recommendations
 - E) Comparison of NMB-BID and City crosswalk recommendations
 - F) Summary of crosswalk recommendations.

Attachment A

North Manhattan Beach - Business Improvement District Map



Attachment B

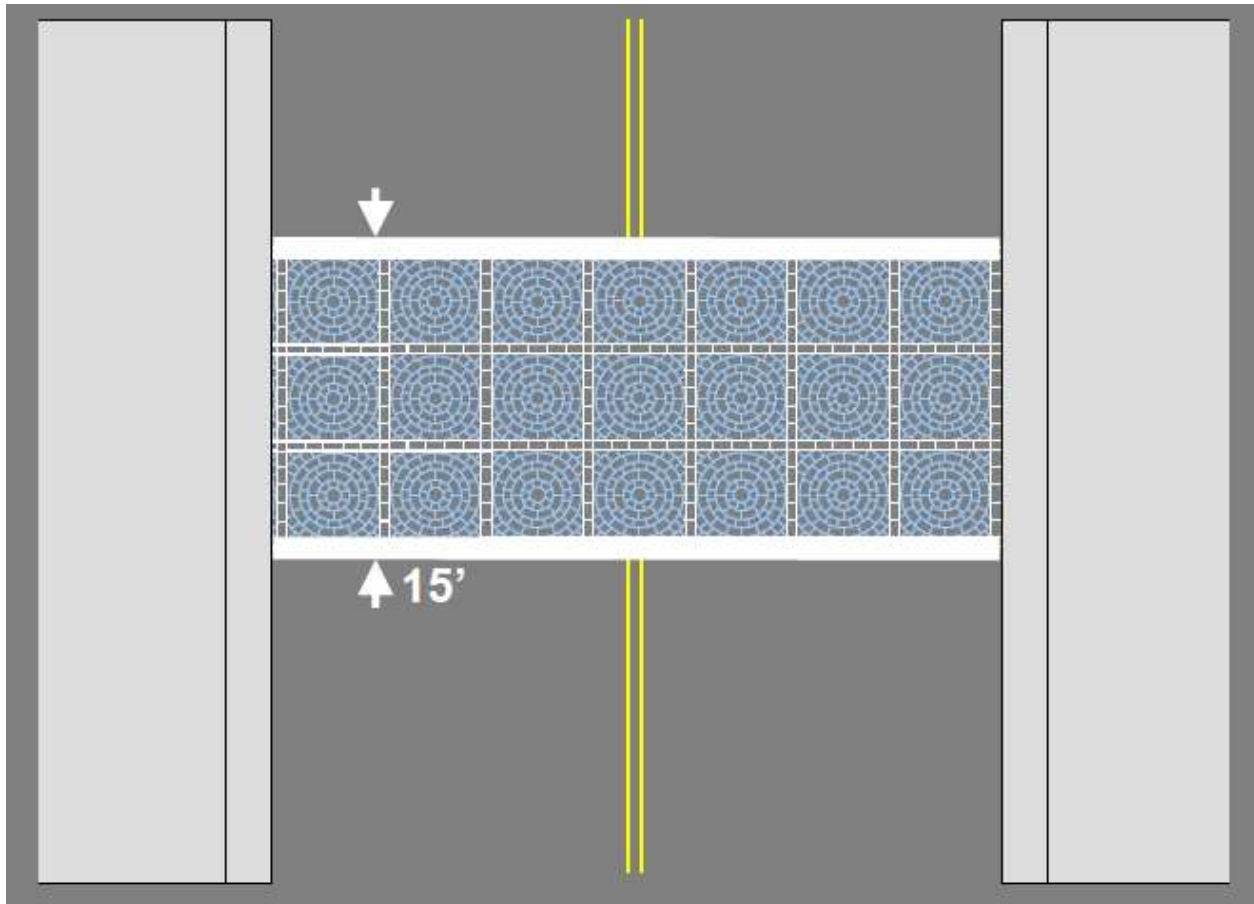


City of Manhattan Beach Highland Ave Street Overlay Project



Attachment C

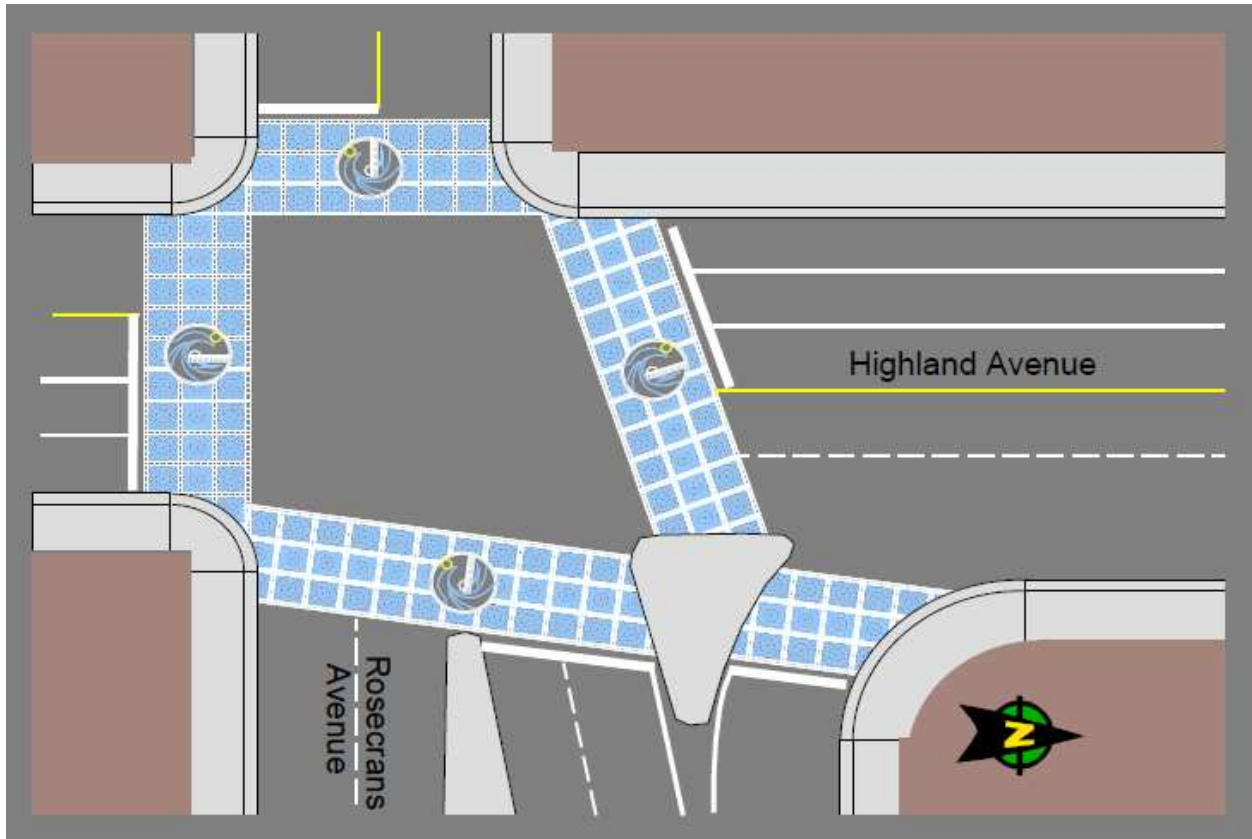
North Manhattan Beach Business Improvement District Crosswalk Recommendations Page 1



NMB-BID Recommendation for unprotected crosswalk locations.
Highland at 34th Street
Highland at 35th Street
Highland at 36th Street

Attachment C

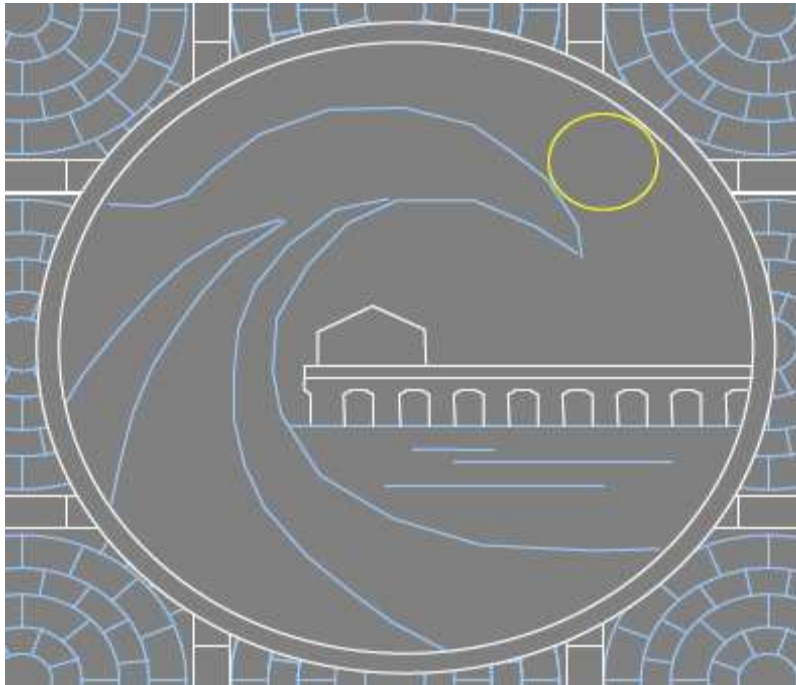
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NMB-BID Recommendation for Highland Avenue at Rosecrans Avenue Intersection

Attachment C

North Manhattan Beach Business Improvement District Crosswalk Recommendations Page 3

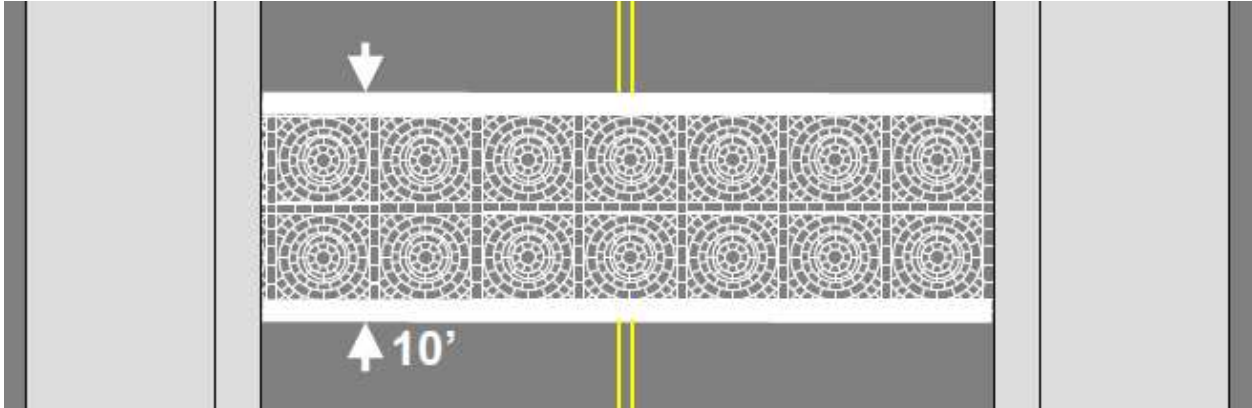


NMB-BID Recommendation for Highland Avenue at Rosecrans Avenue Intersection

Enlarged graphic recommended for 4 crosswalks in the
Highland Avenue / Rosecrans Avenue intersection

Attachment D

Staff Recommendation for Crosswalks Outside NMB-BID Plan Area

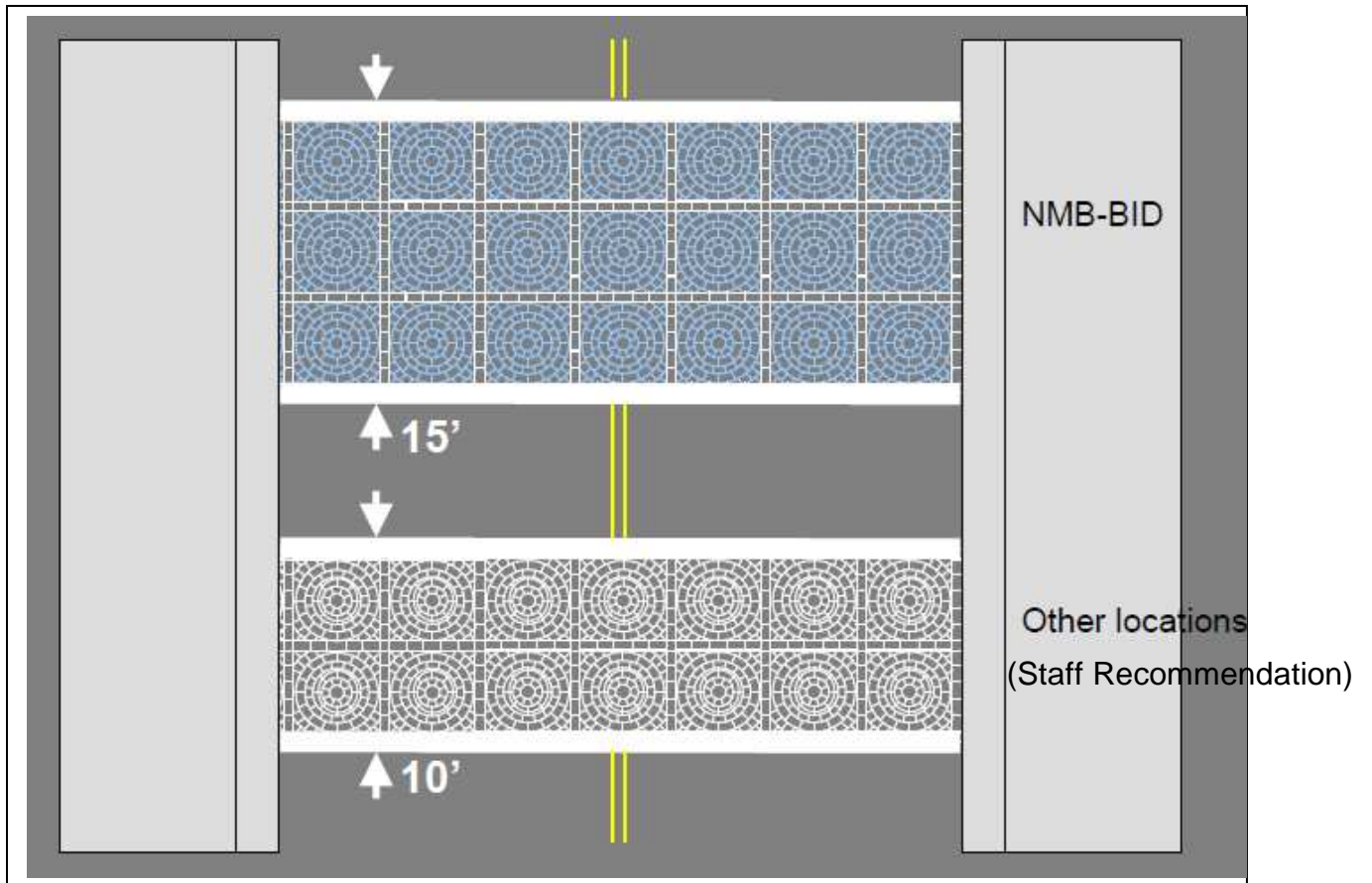


This treatment is recommended for use at the following locations.		
1	Highland at	17th Street
2	Highland at	18th Street
3	Highland at	19th Street
4	Highland at	Marine
5	Highland at	25th Street
6	Highland at	26th Street
7	Highland at	27th Street
8	Highland at	29th Street
9	Highland at	30th Street
10	Highland at	32nd Street
11	Highland at	33rd Street
12	Highland at	40th Street
13	Highland at	41st Street
14	Highland at	45th Street

Staff recommendation for crosswalks not included in the NMB-BID Plan
16 Crosswalks at 14 locations

Attachment E

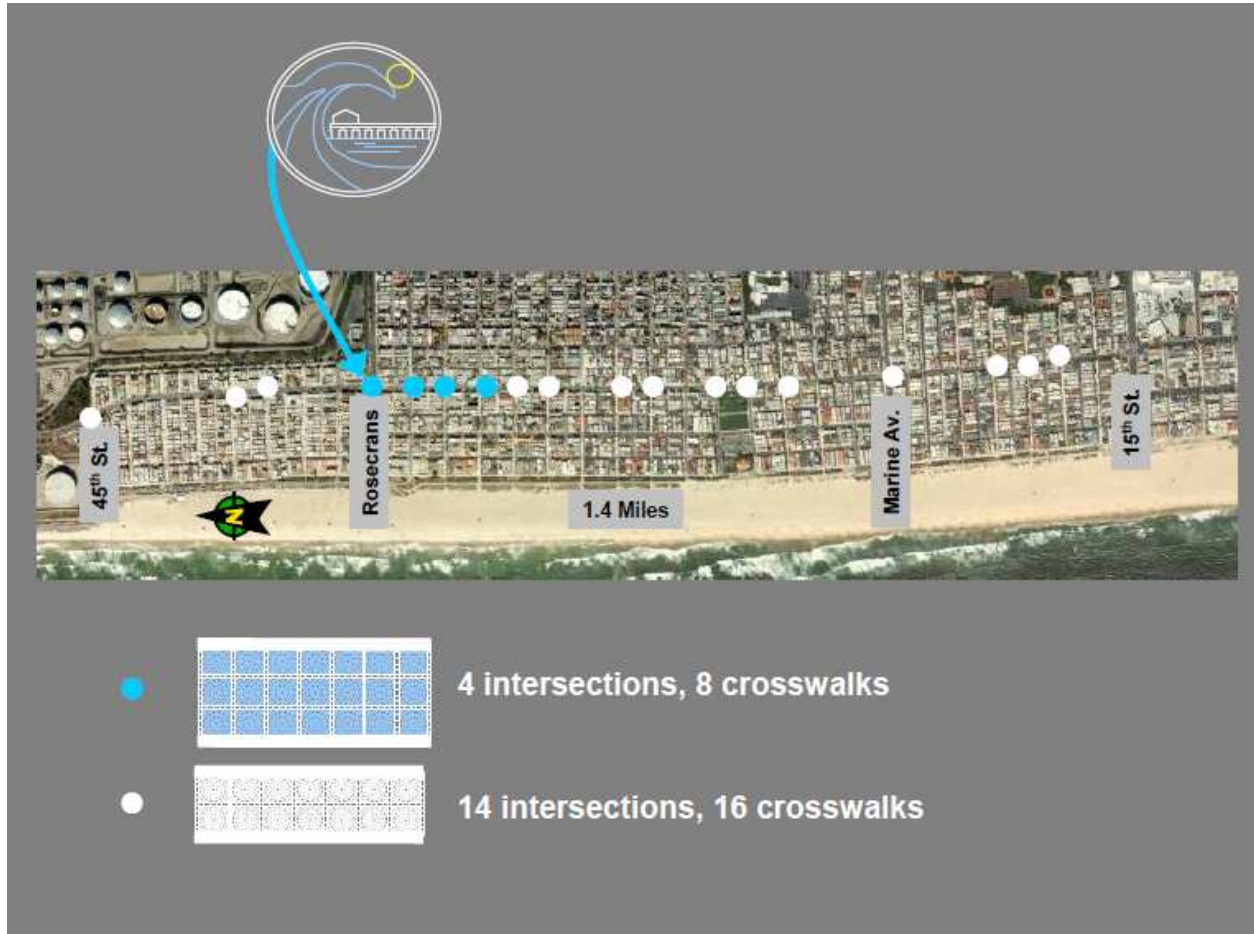
Comparison of NMB-BID Crosswalk Recommendation and Staff Recommendation



Comparison of NMB-BID vs. Staff Recommendation

Attachment F

Summary of Crosswalk Recommendations



Summary of crosswalk recommendations