

Attachment 1: Figures



Figure 1: Aerial view of Pillar Point Harbor and Surfer's Beach



Figure 2: Study Vicinity



Figure 3: Extent of Projected Bluff Retreat at 10 and 50 Years (based on the estimated retreat rate of 1.64 ft/yr) Source: Lin et al. (2015).

Attachment 2: Resolution from the Board of Harbor Commissioners

**Resolution 02-16
To
Request Grant Funding from the Division of Boating and Waterways
for a Pilot Surfers Beach Sand Replenishment Project**

Whereas, the San Mateo County Harbor District has the authority to enhance public beach access, restore ecological function, and protect public infrastructure.

Whereas, the San Mateo County Harbor District is requesting a grant up to \$800,000 from the California Division of Boating and Waterways; and

Whereas, the San Mateo County Harbor District desires to complete the construction and monitoring of a Surfers Beach Sand Replenishment Project, to enhance public beach access, restore ecological function, and protect public infrastructure and bluffs by mitigating coastal erosion impacts.

Whereas, the intent of the this project is to lead the way for an ongoing opportunistic beach nourishment program that would also provide major benefits inside the Harbor by addressing the sedimentation issues inside the outer breakwater.

BE IT RESOLVED by the San Mateo County Harbor District that, pursuant and subject to all of the terms and provisions of the Shoreline Erosion Control Program, application be made to the State of California, Department of Parks and Recreation, Division of Boating and Waterways for funding; and

BE IT FURTHER RESOLVED that the General Manager of said San Mateo County Harbor District is hereby authorized and directed to cause the necessary data to be prepared and application to be signed and filed with the Division of Boating and Waterways.

Passed and adopted at a regular meeting of the San Mateo County Harbor District

Approved this 20th day of January 2016 at a regular meeting of the Board of Harbor Commissioners by a recorded vote as follows:

For: Bernardo, Brennan, Kiraly, Parravano, Mattusch

Against: None

Absent: None

Abstaining: None

Attested

BOARD OF HARBOR COMMISSIONERS



Melanie Hadden
Deputy Secretary



Tom Mattusch
President



Attachment 3: Bibliography

- Gahagan & Bryant Associates (2007). *Summary Report: Pillar Point Harbor Bathymetry Study & Outer Channel Design*, prepared for San Mateo County Harbor District, 400 Oyster Point Blvd., Suite 300, So. San Francisco, CA 94080.
- Kinnetic Laboratories, Incorporated. 2007. *Initial dredge material evaluation for the construction of a new boat basin in Pillar Point Harbor*. Retrieved from <http://static1.1.sqspcdn.com/static/f/1461275/18844395/1340136790720/2007-06-%20Harbor-Dredging-Report.pdf?token=7bSmTT8WtDzihqOGN2eCJwZJYD0%3D>
- Lin, L., Li, H., Zoulas, J., Andes, L., and Wu, F. 2015. *North Half Moon Bay shoreline improvement project, Pillar Point Harbor, CA, coastal engineering appendix*. Final Report.
- Towill Inc. 2011. *Coastal Structures Program – Pillar Point Breakwaters: Pillar Point Harbor Survey*. Project report prepared for US Army Corps of Engineers, San Francisco District, 15 April 2011.
- USACE. 1996. *Final Environmental Assessment for the Pillar Point Harbor O&M Breakwater Repair, San Mateo County, CA*. San Francisco
- USACE. 2006. *Draft and final environmental assessment, biological assessment, essential fish habitat analysis, application for 401 water quality certification and consistency determination for Pillar Point Harbor operations & Maintenance East Breakwater repair project*. San Mateo County, CA.
- USACE. 2015. *Coastal regional sediment management plan for the Santa Cruz littoral cell, Pillar Point to Moss Landing*. Prepared for the California Coastal Sediment Management Workgroup. September, 2015. Retrieved from http://montereybay.noaa.gov/resourcepro/resmanissues/pdf/150923crsmp_plan-final-lg.pdf
- USACE. (2015b). *Draft Environmental Assessment and 404 (b)(1) Analysis for The North Half Moon Bay (Princeton) Pillar Point Harbor CAP § Feasibility Study*. Half Moon Bay, San Mateo County, CA. October 2015.
- United States Army Corps of Engineers (2009a). *North Half Moon Bay Shoreline Improvement Project, Pillar Point Harbor, CA. Section 216: Review of Completed Projects, Initial Appraisal*, July 2009.

Attachment 4: Recent Newspaper articles

(Note: the first two links included as hard copies with grant application package. The third link is an online video showing storm damage)

http://www.hmbreview.com/news/emergency-work-on-the-way-at-mirada/article_65984b40-bf0c-11e5-b850-8f94632597c0.html

http://www.hmbreview.com/news/mirada-road-fix-is-months-away/article_80ea42bc-ba3a-11e5-bdbd-3f2ffa5e33eb.html

http://www.hmbreview.com/storm-hammers-miramar-bluffs/video_157425cc-becf-11e5-8a71-53a0505c92b4.html

Attachment 5: Photos

The following photos show recent (mid January 2015) conditions at the Caltrans revetment at Surfer's Beach (Photos courtesy of Brian Overfelt).





