



South Harbor Rebuild Request for Proposals ADDENDUM # 7

TO: All Potential Bidders

DATE: 10/27/22

This addendum forms a part of the South Harbor Rebuild Request for Proposals

Addendum #7 The estimated exclusion zones and the number of Marine Mammal Observers that will be required

This addendum is issued to modify the previously issued proposal documents and/or given for informational purposes and is hereby made a part of the proposal documents. Please attach this addendum to the documents in your possession.

City of Cordova

Signed: *Samantha Greenwood*

Print: Samantha Greenwood

Its: Public Works Director, City of Cordova

- 1. Question:** Can you please tell us what to assume for the exclusion zones and the number of Marine Mammal Observers that will be required?

[Response: We expect that the maximum number of observers will be 3. See the table below for exclusions.](#)

[Below is a table of distances for the South Harbor work. Note that the sound transmission would be blocked by landforms, as shown in the figure below. Note that the project will be requesting Level B and Level A take of common marine mammals in the harbor \(sea otters, void injury. seals, sea lions\). There will be a minimal shutdown for marine mammals within](#)



the harbor to avoid injury.

Table 10. Cordova Harbor Rebuild Project NMFS-Managed Species Level B Monitoring Zones—South Harbor

Project Pile Size	SPL Received Level at 10m	Distance (in meters, m) to Level B Thresholds ¹
In-Water Activities		
Barge movements, pile positioning, etc. (throughout construction) ²	171-176 dB ³	10
Dredging and filling (~38 hours on 4 days)	125-185 RMS ⁴	300
Vibratory Hammer		
12-inch to 24-inch existing steel pile removal (61 piles; 4.2 hours per day on 2.4 days)	161 RMS ⁵	5,500
12-inch to 24-inch existing timber pile removal (130 piles; 4.2 hours per day on 5.2 days)	152 RMS ⁶	1,375
16-inch, 18-inch, 24-inch permanent pile installation (284 piles; 1 hour per day on 71 days)	161 RMS ⁵	5,500
24-inch template pile installation and removal (34 piles; 1 hour per day on 17 days)	161 RMS ⁵	5,500
36-inch permanent pile installation (7 piles; 30 minutes on 3.5 day)	166 RMS ⁷	11,700
H-pile steel permanent pile installation (90 piles; 1 hour per day on 2.5 days)	168 RMS ⁸	15,850
Sheet steel permanent pile installation	162 RMS ⁹	6,310

Cordova Harbor Rebuild Project Level B By Sound Unit Monitoring and Shutdown Zones—South Harbor

CITY OF CORDOVA

