

CAPISTRANO BAY DISTRICT
AGENDA REPORT
April 30, 2024

Security Report

ITEM 8b

Speed Bump Redesign

The black rubber speed bumps in the community are reaching the end of their useful life. They have hardened, cracked, split, corners are turning up and the anchor bolts have worked loose.

The District intends to replace these old damaged units with a version called speed humps. The term comes from the design: very wide (front to back) with a gradual slope up to the crest and back down to pavement level.

As shown on the next page, these speed humps are 12'-13' from front to back, with a crest height of 2 ¾" to 3", which makes for a very gentle and smooth passage for vehicles to roll over.

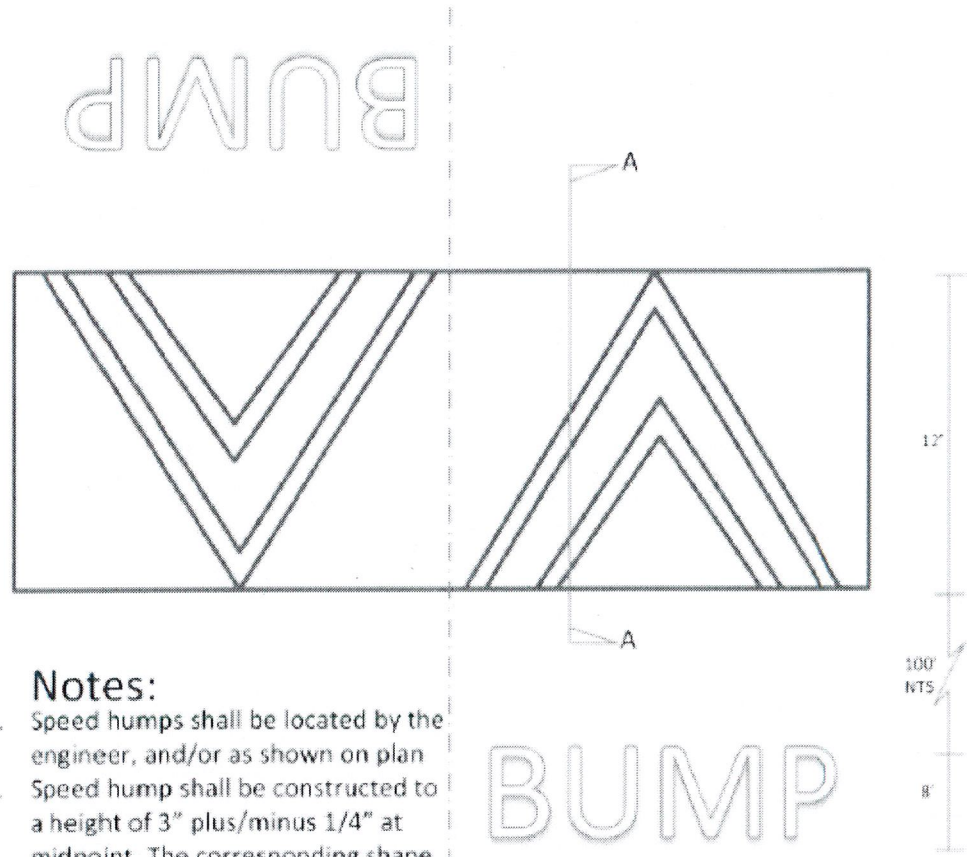
The design was provided by the City Public Works Dept. and examples can be road tested at the speed humps up in the Palisades next to Pines Park. But please keep in mind that our speed humps will still have to be split in the center to allow for water flow where the concrete swale runs down the middle of the road

Our budget has an allowance this year for striping and pavement repairs which may take up all \$21,000 of the budget, in which case the speed humps may have to wait until after the new budget on July 1.

Additionally, approval from OCFA is required, as speed humps tend to delay response times and the Fire Authority has to review the impact on response times from the Victoria fire station to the south end of Beach Road.

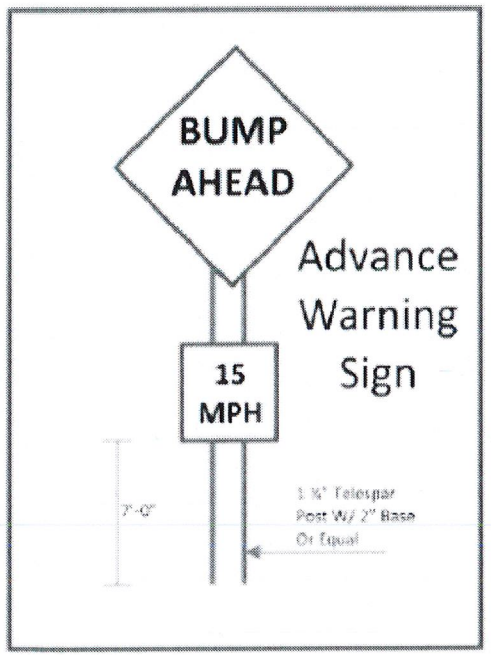
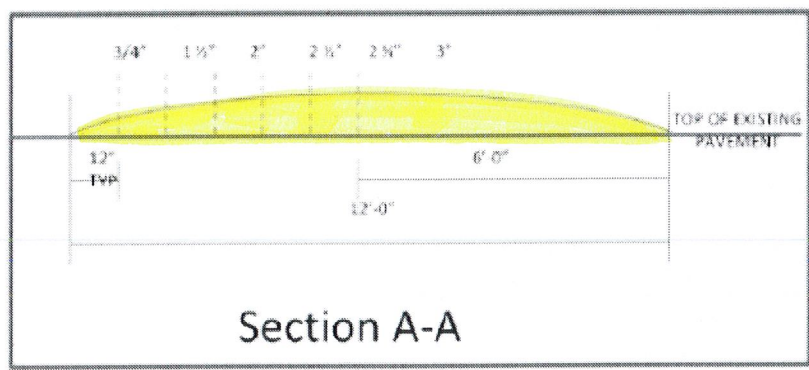
SPEED HUMP DETAILS
Attachment A

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Notes:

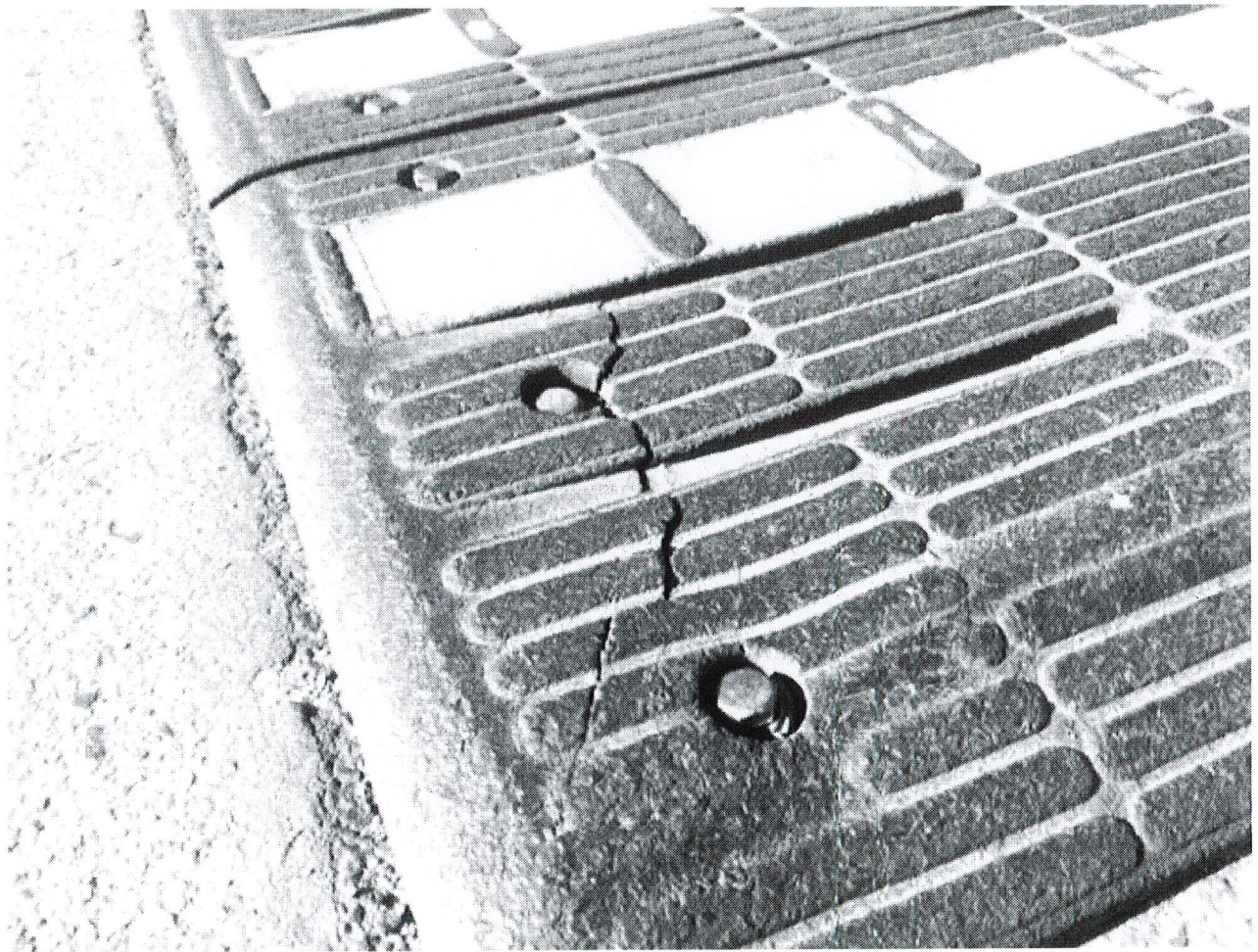
1. Speed humps shall be located by the engineer, and/or as shown on plan
2. Speed hump shall be constructed to a height of 3" plus/minus 1/4" at midpoint. The corresponding shape follow a circular arc (see Section A-A).
3. Asphalt shall be placed in 2 lifts. 1" minimum at highest point.
4. Asphalt shall be Type III-C3-AR4000 (1/2") with 6% asphalt binder or as directed by the engineer.



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