



# County of Santa Cruz

## DEPARTMENT OF PUBLIC WORKS

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THOMAS L. BOLICH  
D RECTOR OF PUBLIC WORKS

### AGENDA: JUNE 26, 2001

June 14, 2001

#### SANTA CRUZ COUNTY BOARD OF SUPERVISORS

701 Ocean Street  
Santa Cruz, California 95060

#### SUBJECT: PROPOSED REVISIONS TO DESIGN CRITERIA - ROAD BUMPS

Members of the Board:

With the ever increasing number of neighborhoods installing road bumps as a means of traffic calming, our engineers have determined that in some locations these signs may be resulting in unnecessary visual clutter. While our current sign inventory program and County road crews already provide a mechanism that helps eliminate unnecessary signs through field verification, there are some changes to the County Design Criteria standards relating to road bumps that could be implemented to eliminate a number of redundant signs.

The current design criteria standard provides a road bump warning sign, a 15 MPH advisory sign, a "BUMP" painted legend on the pavement, and painted arrows (V) at each road bump, and a "BUMP AHEAD" warning sign at the beginning of the road bump area. A substantial number of road bump warning signs could be eliminated by implementing the following road bump design criteria revision.

It is proposed that the 15 MPH advisory sign be placed only at each end of the road segment on the same post as the "BUMP AHEAD" warning signs. The additional road bump warning signs at each individual bump location are proposed to be eliminated. The proposed design criteria change, if approved, will be consistent with the year 2000 Federal Highway Administration's Manual on Uniform Traffic Control Devices, and with other municipalities road bump practices.

The proposed amendment to the County's road bump design criteria for warning signs and markings is as follows:

## PART 2. STREET DESIGN

## Section 0 - Physical Speed Control Devices (Road Bumps) (Refer to Figure ST-13)

## 9. Warning signs and markings shall be used as follows:

- a. "BUMPS AHEAD" warning signs at the beginning of the road bump area and at all entrances.
- ~~b. "BUMP" warning signs at the bump.~~
- ~~c b.~~ Speed advisory plates (15 MPH) mounted below the "BUMPS AHEAD" warning sign.
- ~~d c.~~ Pavement markings at the bump ("BUMP").
- ~~e d.~~ Double yellow centerline in the vicinity of the bump where adequate width will allow (approximately 15m (50 ft) on either side).
- ~~f e.~~ "V" shaped white reflective pavement markings on the bump for each direction of travel.

The proposed changes to the County of Santa Cruz Design Criteria noted above have also been incorporated into a graphic of Figure ST-13. If the proposed amendment is approved, it is recommended that all existing streets with road bumps be brought into conformance with the current design criteria standard as crew scheduling will allow.

It is therefore recommended that the Board of Supervisors take the following action:

1. Adopt the attached resolution amending Part 2, Section 0 - Physical Speed Control Devices (Road Bumps), and Figure ST-13 Physical Speed Control Devices (Road Bumps), of the County of Santa Cruz Design Criteria.
2. Direct the Public Works Department to incorporate the approved resolution into the current edition of the County of Santa Cruz Design Criteria, and all subsequent editions.
3. Direct the Public Works Department to initiate the necessary sign changes for all current roads to conform with the approved road bump design criteria.

Yours truly,



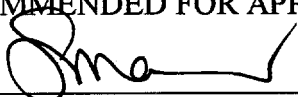
THOMAS L. BOLICH

Director of Public Works

JRS:bbs

Attachments

RECOMMENDED FOR APPROVAL:



County Administrative Officer

copy to: Public Works Department  
PDCCB

BEFORE THE BOARD OF SUPERVISORS  
OF THE COUNTY OF SANTA CRUZ, STATE OF CALIFORNIA

RESOLUTION NO. \_\_\_\_\_

On the motion of Supervisor  
duly seconded by Supervisor  
the following resolution is adopted:

RESOLUTION AMENDING COUNTY OF SANTA CRUZ DESIGN CRITERIA  
PART 2, STREET DESIGN

WHEREAS, the County of Santa Cruz desires to be in conformance with the year 2000 Federal Highway Administration's Manual on Uniform Traffic Control Devices; and,

WHEREAS, the County of Santa Cruz wishes to reduce the amount of unnecessary signs on County maintained roadways.

NOW, THEREFORE, BE IT RESOLVED AND ORDERED that the County Design Criteria, Part 2, Street Design, and Figure ST-13 Physical Speed Control Devices (Road Bumps), Exhibit A (attached), is hereby amended to read as follows:

PART 2. STREET DESIGN

Section 0 - Physical Speed Control Devices (Road Bumps) (Refer to Figure ST-13)

9. Warning signs and markings shall be used as follows:

- a. "BUMPS AHEAD" warning signs at the beginning of the road bump area and at all entrances.
- b. Speed advisory plates (15 MPH) mounted below the "BUMPS AHEAD" warning sign.
- c. Pavement markings at the bump ("BUMP").
- d. Double yellow centerline in the vicinity of the bump where adequate width will allow (approximately 15m (50 ft) on either side).
- e. "V" shaped white reflective pavement markings on the bump for each direction of travel.

PASSED AND ADOPTED by the Board of Supervisors of the County of Santa Cruz, State of California, this \_\_\_\_\_ day of \_\_\_\_\_ 200 1, by the following vote:

306

AYES: SUPERVISORS

NOES: SUPERVISORS

ABSENT: SUPERVISORS

\_\_\_\_\_  
Chairman of said Board

ATTEST: \_\_\_\_\_  
Clerk of said Board

Approved as to form:

  
Chief Assistant County Counsel

Distribution: County Counsel  
Public Works

