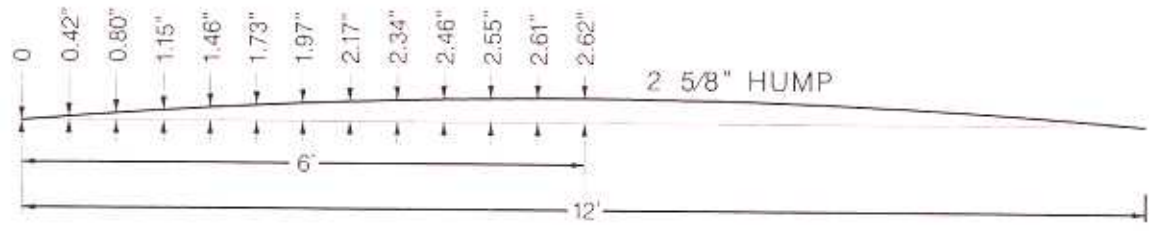


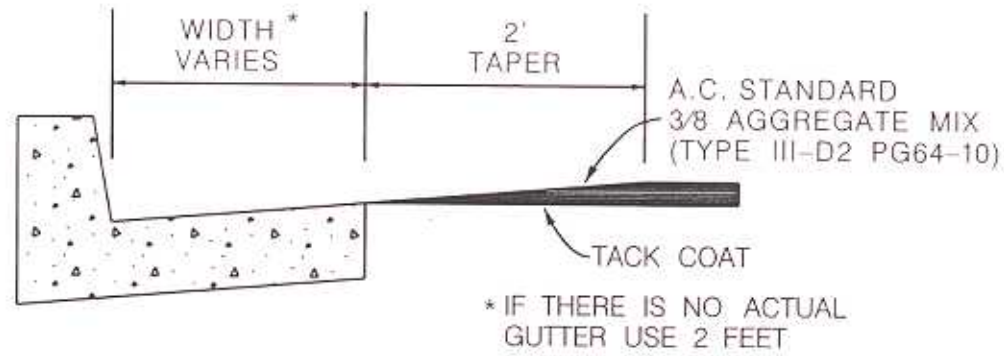
SPEED HUMP DETAIL

NOT TO SCALE



SECTION A-A

NOT TO SCALE



SECTION B-B

NOT TO SCALE

APPROVED: *George Abroy*
CITY ENGINEER

DATE: 5-11-07

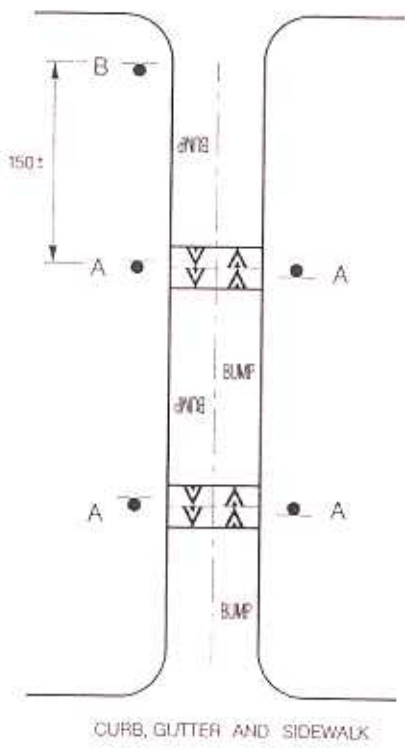
CITY OF SANTA ANA
PUBLIC WORKS AGENCY



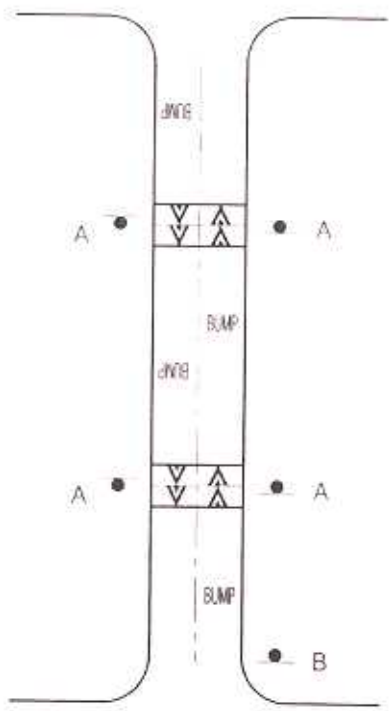
DATE	REVISION
5/7/07	REVISED ASPHALT TYPE

SPEED HUMP

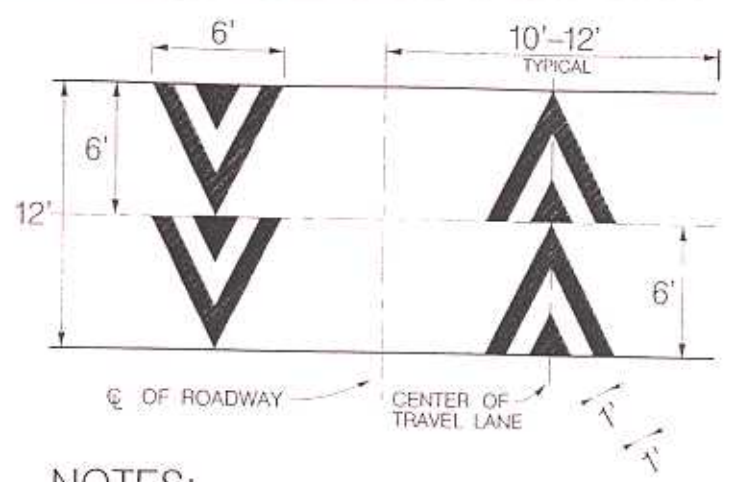
STD. PLAN NUMBER
1131
SHT 1 OF 2



CURB, GUTTER AND SIDEWALK



SIGNING AND MARKINGS



NOTES:

1. SPEED HUMPS SHALL NOT BE PLACED OVER MANHOLES, WATERVALVES, JUNCTION CHAMBERS, ETC.
2. WHERE POSSIBLE EDGE OF SPEED HUMP SHOULD BE 10 FEET MINIMUM FROM THE EDGE OF DRIVEWAYS.
3. WHERE POSSIBLE SPEED HUMPS SHOULD BE PLACED AT PROPERTY LINES INSTEAD OF MID-BLOCK.
4. WHERE POSSIBLE SPEED HUMPS SHOULD BE PLACED ADJACENT TO STREET LIGHTS.
5. EXACT LOCATIONS OF SPEED HUMPS, SIGNS AND MARKINGS, SHALL BE DETERMINED BY THE CITY ENGINEER.
6. WHERE POSSIBLE SPEED HUMPS SHOULD BE 150 FEET CLEAR OF INTERSECTIONS OR TIGHT TURNS.
7. WHERE POSSIBLE SPEED HUMPS SHOULD BE 150 FEET CLEAR OF STOP SIGNS
8. WHERE POSSIBLE SPEED HUMPS SHOULD BE DOWN STREAM OF STORM DRAIN INLETS.
9. SPEED HUMPS SHALL NOT BE PLACED ON SHARP HORIZONTAL OR VERTICAL CURVES.
10. SPEED HUMPS SHALL BE 25 FEET FROM FIRE HYDRANTS AND MANHOLES.
11. SPEED HUMPS SHALL BE NORMALLY BE SPACED 400 TO 600 FEET APART. SPEED HUMPS MAY BE SPACED CLOSER ONLY WITH APPROVAL OF THE CITY ENGINEER.



W17-1 (MOD)
30"X30"



W16-7P
24"X12"

SIGN A



W17-1 (MOD2)
30"X30"



W6 (15)
30"X30"

SIGN B

APPROVED: *Geary Alway*
CITY ENGINEER

DATE: 5-7-07

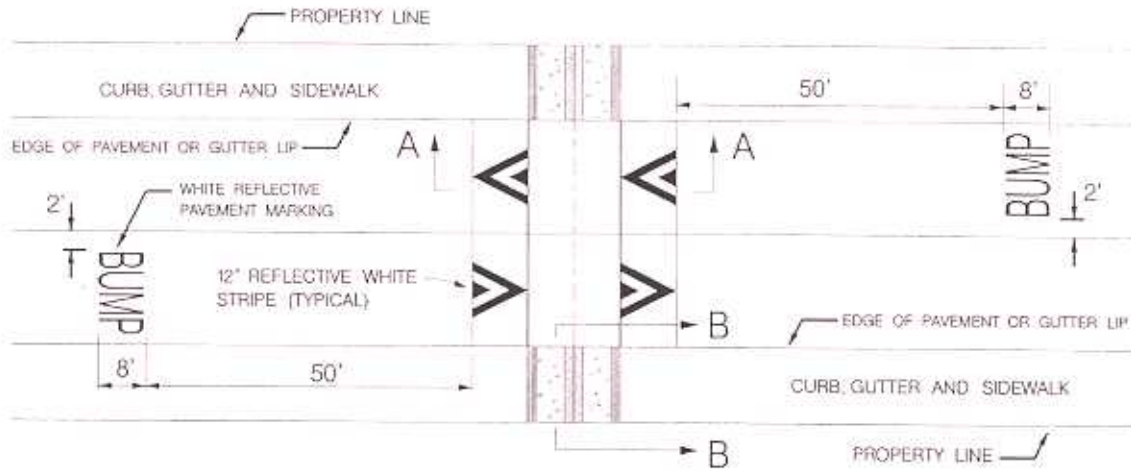
CITY OF SANTA ANA
PUBLIC WORKS AGENCY



DATE	REVISION
5/7/07	REVISED CHEVRONS

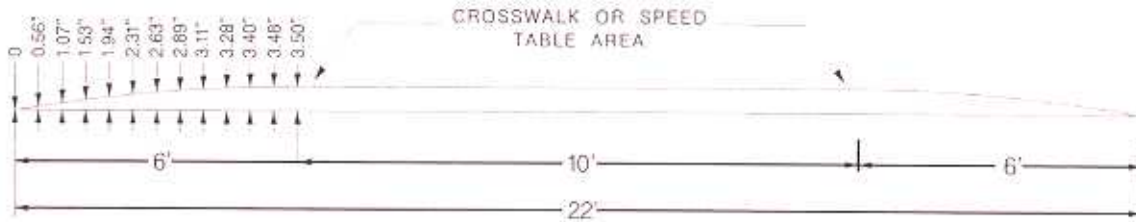
SPEED HUMP

STD. PLAN NUMBER
1131
SHT. 2 OF 2



RAISED CROSSWALK DETAIL

NOT TO SCALE



SECTION A-A

NOT TO SCALE



SEE C.S.A. STD
PLAN 1122

1-1/2" DEEP
BUTT JOINT

* IF THERE IS NO ACTUAL
GUTTER USE 2 FEET

SECTION B-B

NOT TO SCALE

APPROVED:

DATE: 5-11-07

George Abrey
CITY ENGINEER

CITY OF SANTA ANA

PUBLIC WORKS AGENCY

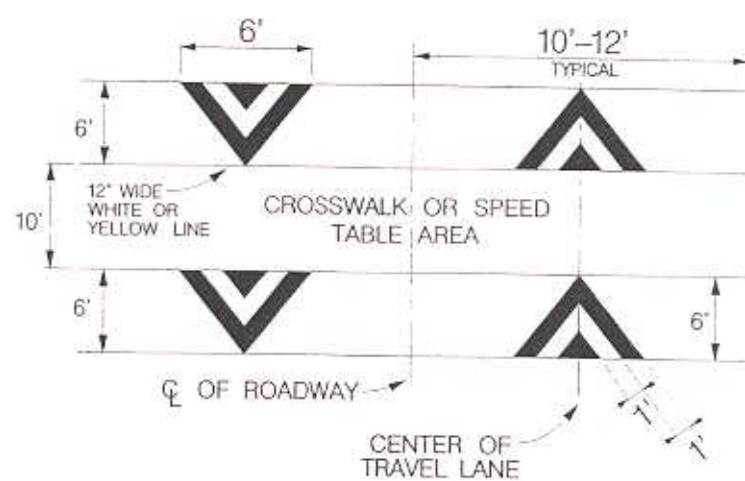
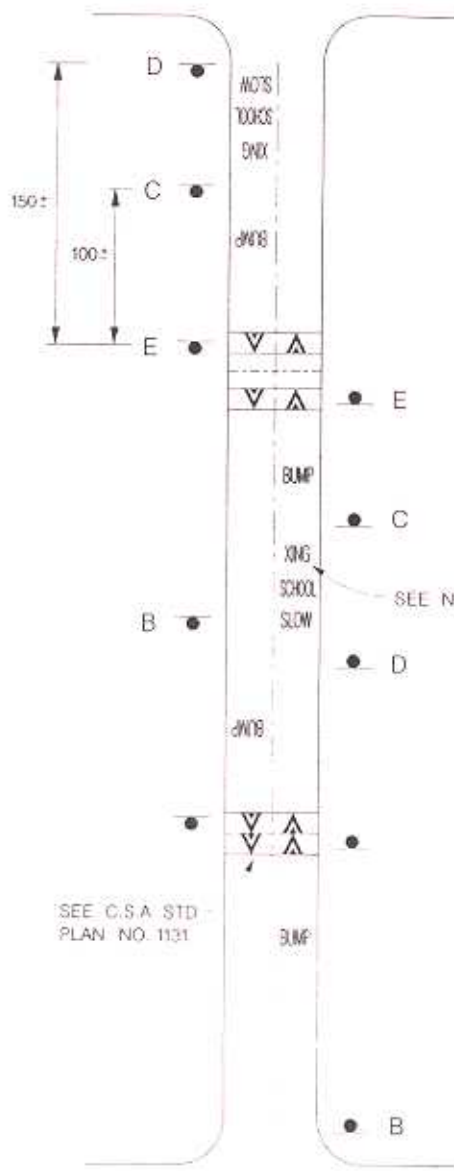


DATE	REVISION
4/26/07 Z.K.	REVISED PROFILE

RAISED CROSSWALK

STD. PLAN
NUMBER
1131A

SHT. 1 OF 2



NOTES:

1. RAISED CROSSWALK SHALL ONLY BE INSTALLED IN PLACE OF A SPEED HUMP AT LOCATIONS WHERE SPEED HUMPS ARE WARRANTED.
2. EXACT LOCATIONS OF RAISED CROSSWALK, SIGNS AND MARKINGS, SHALL BE DETERMINED BY THE CITY ENGINEER.
3. WHERE POSSIBLE RAISED CROSSWALK SHOULD BE 150 FEET CLEAR OF STOP SIGNS.
4. WHERE POSSIBLE RAISED CROSSWALK SHOULD BE DOWN STREAM OF STORM DRAIN INLETS.
5. RAISED CROSSWALK SHALL NOT BE PLACED ON SHARP HORIZONTAL OR VERTICAL CURVES.
6. APPROPRIATE ADVANCE CROSSWALK LEGENDS SHOULD BE USED, EITHER "SLOW SCHOOL XING" OR "PED XING".
7. USE APPROPRIATE TYPE OF WHEELCHAIR RAMP PER C.S.A. STD 1122 DEPENDING ON WHETHER IT IS MIDBLOCK OR AT AN INTERSECTION.

SIGNING AND MARKINGS

 SPEED BUMPS AHEAD W17-1 (MOD2) 30"X30"	 RAISED CROSSWALK AHEAD SPECIAL 6" SERIES E LETTERS W6 (15) 30"X30"	 S1-1 OR W11-2 36"X36" W16-9 24"X12"	 S1-1 OR W11-2 36"X36" W16-7P 24"X12"
 15 MPH W6 (15) 30"X30" SIGN B	 15 MPH W6 (15) 30"X30" SIGN C	 AHEAD W16-9 24"X12" SIGN D	 W16-7P 24"X12" SIGN E

APPROVED: George Alway DATE: 5-7-07
 CITY ENGINEER

CITY OF SANTA ANA
PUBLIC WORKS AGENCY



DATE	REVISION
4/26/07	Z.K. UPDATED CHEVRONS

RAISED CROSSWALK

STD. PLAN NUMBER
1131A
 SHEET 2 OF 2