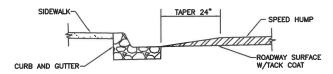


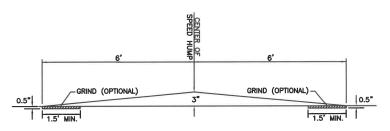
## NOTES:

- SPEED HUMPS SHALL NOT BE PLACED OVER MANHOLES, WATER VALVES, SURVEY MARKERS, ETC.
- 2. SPEED HUMPS SHALL NOT BE INSTALLED IN A LOCATION THAT INTERFERES WITH ROADWAY DRAINAGE.
- 3. A TACK COAT SHALL BE APPLIED TO THE ROADWAY SURFACE PRIOR TO APPLICATION OF PAVEMENT MATERIAL.
- SPEED HUMP MARKINGS AND SIGNS SHALL BE INSTALLED BY ACHD, UNLESS OTHERWISE SPECIFIED BY THE ACHD TRAFFIC ENGINEER. MARKING INFORMATION FOR SPEED HUMPS CAN BE FOUND ON ACHD TS—1113.07.
- "BUMPS AHEAD" SIGNS SHALL BE INSTALLED IN BOTH DIRECTIONS IN ADVANCE OF THE FIRST BUMP IN SERIES. SIGNS SHALL BE INSTALLED BY ACHD, UNLESS OTHERWISE SPECIFIED BY THE ACHD TRAFFIC ENGINEER.
- IF CURB AND GUTTER ARE NOT PRESENT ON THE ROADWAY, INSTALL SPEED HUMPS TO THE EDGE OF THE PAVED SURFACE.

  4 DIA. CONCRETE BOLLARD INSTALLATION NEAR THE SPEED HUMP MAY BE NECESSARY WHERE THE POTENTIAL FOR SPEED HUMP AVOIDANCE EXISTS.



SPEED HUMP - EDGE DETAIL LOCAL ROAD



SPEED HUMP - CROSS SECTION LOCAL ROAD



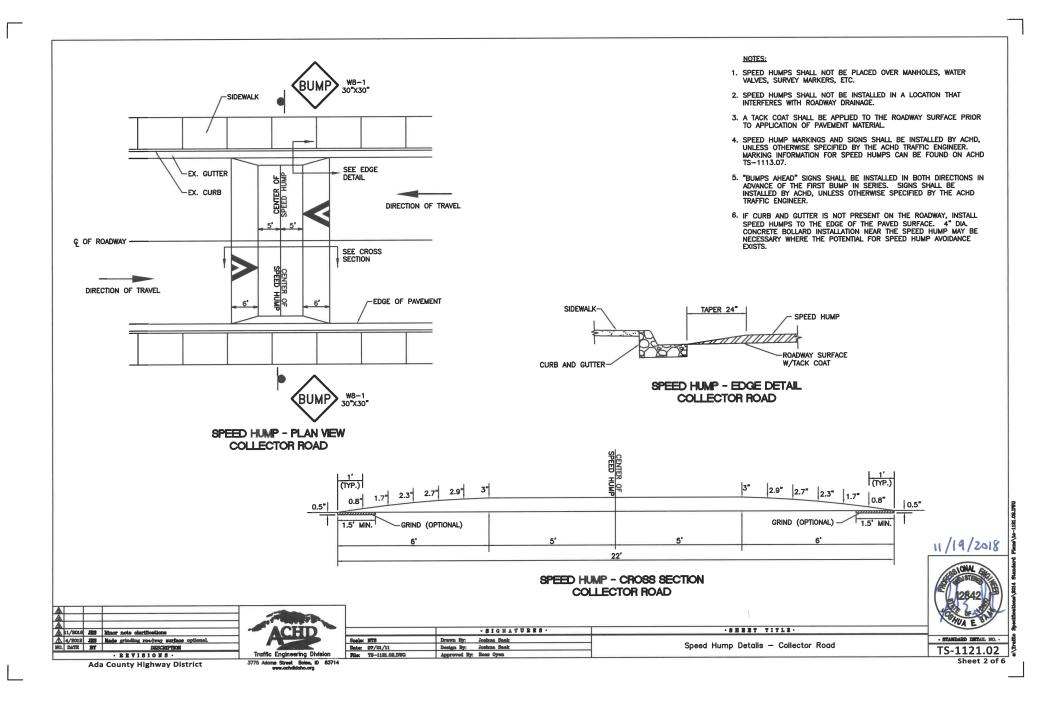
	$\neg$		
A 11,	/2018	JES	Minor note clarifications
1 4/	2012	JES	Made grinding roadway surface optional
10. D	ATE	BY	DESCRIPTION
			· REVISIONS ·
		Ad	County Highway District

ACHD
Traffic Engineering Division
3775 Adams Street Boise, ID 83714

	· SIGNATURES ·	· SHEET TITLE ·
Scale: MTS	Drawn By: Joshua Saak	
Date: 08/30/11	Design By: Joshua Saak	] Speed Hump Details — Local Road
Pile: TR-1191.01.DWG	Approved By: Ross Oven	1

TS-1121.01 Sheet 1 of 6

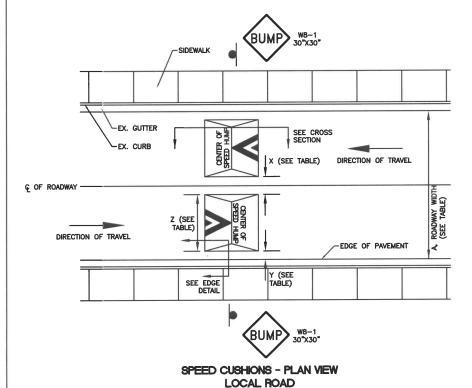
· STANDARD DETAIL NO.



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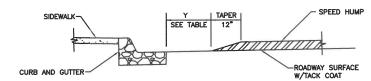
## SPEED HUMP DIMENSION SCHEDULE

A, ROADWAY WIDTH (FT.)	Y, EDGE (FT.)	Z, HUMP (FT.)	X, CENTER GAP (FT.)	Z, HUMP (FT.)	Y, EDGE (FT.)
20'	1.5'	7'	3'	7'	1.5'
21'	2'	7'	3'	7'	2'
22'	2.5'	7'	3'	7'	2.5'
23'	3'	7'	3'	7'	3'
24'	3'	7°	4'	7'	3'

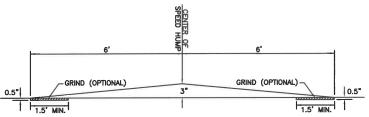


### NOTES:

- SPEED HUMPS SHALL NOT BE PLACED OVER MANHOLES, WATER VALVES, SURVEY MARKERS, ETC.
- SPEED HUMPS SHALL NOT BE INSTALLED IN A LOCATION THAT INTERFERES WITH ROADWAY DRAINAGE.
- 3. A TACK COAT SHALL BE APPLIED TO THE ROADWAY SURFACE PRIOR TO APPLICATION OF PAVEMENT MATERIAL.
- SPEED HUMP MARKINGS AND SIGNS SHALL BE INSTALLED BY ACHD, UNLESS OTHERWISE SPECIFIED BY THE ACHD TRAFFIC ENGINEER. MARKING INFORMATION FOR SPEED HUMPS CAN BE FOUND ON ACHD TS—1113.07.
- 5. "BUMPS AHEAD" SIGNS SHALL BE INSTALLED IN BOTH DIRECTIONS IN ADVANCE OF THE FIRST BUMP IN SERIES. SIGNS SHALL BE INSTALLED BY ACHD, UNLESS OTHERWISE SPECIFIED BY THE ACHD TRAFFIC ENGINEER.
- 6. IF CURB AND GUTTER IS NOT PRESENT OR A SIGNIFICANT DRIVABLE SHOULDER EXISTS ON THE ROADWAY, 4" DIA. CONCRETE BOLLARD INSTALLATION NEAR EACH SPEED HUMP MAY BE NECESSARY WHERE THE POTENTIAL FOR SPEED HUMP AVOIDANCE EXISTS.



# SPEED CUSHIONS - EDGE DETAIL LOCAL ROAD



# SPEED CUSHIONS - CROSS SECTION LOCAL ROAD



11/19/2018

		Ada (	County Highway District
			· REVISIONS ·
10. 1	DATE	BY	DESCRIPTION
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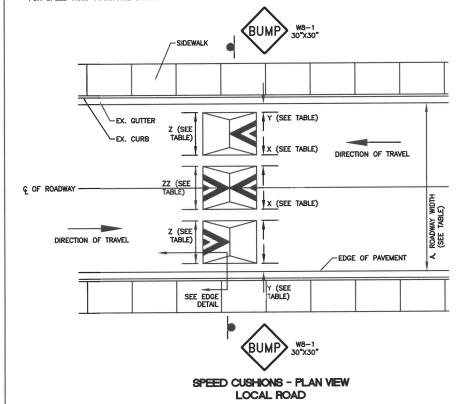


	· SIGNATURES ·	
Scale: NTS	Drawn By: Joshua Saak	
Date: 4/9/12	Design By: Joshua Saak	
File: TS-1121.03.DWG	Approved By: Ross Oyen	

Speed Hump Details — Local Road, Speed Cushions Roadway Cross Sections, 20' — 24'

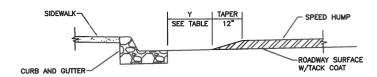
- STANDARD DISTAIL NO. -

- 1. SPEED HUMPS SHALL NOT BE PLACED OVER MANHOLES, WATER VALVES, SURVEY MARKERS, ETC.
- 2. SPEED HUMPS SHALL NOT BE INSTALLED IN A LOCATION THAT INTERFERES WITH ROADWAY DRAINAGE.
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- 5. "BUMPS AHEAD" SIGNS SHALL BE INSTALLED IN BOTH DIRECTIONS IN ADVANCE OF THE FIRST BUMP IN SCRIES. SIGNS SHALL BE INSTALLED BY ACHD, UNLESS OTHERWISE SPECIFIED BY THE ACHD TRAFFIC ENGINEER.
- 6. IF CURB AND GUTTER IS NOT PRESENT OR A SIGNIFICANT DRIVABLE SHOULDER EXISTS ON THE ROADWAY, 4"
  DIA. CONCRETE BOLLARD INSTALLATION NEAR EACH SPEED HUMP MAY BE NECESSARY WHERE THE POTENTIAL FOR SPEED HUMP AVOIDANCE EXISTS.

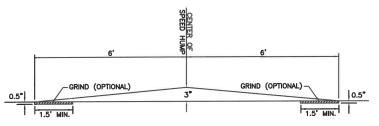


## SPEED HUMP DIMENSION SCHEDULE

A, ROADWAY WIDTH (FT.)	Y, EDGE (FT.)	Z, HUMP (FT.)	X, GAP (FT.)	ZZ, HUMP (FT.)	X, GAP (FT.)	Z, HUMP (FT.)	Y, EDGE (FT.)
25'	1.5'	6'	2*	6'	2'	6'	1.5'
26'	2'	6'	2'	6'	2'	6'	2'
27'	2.5'	6'	2'	6'	2'	6'	2.5'
28'	3'	6'	2'	6'	2'	6'	3'
29'	2.5'	7°	2'	6'	2'	7'	2.5'
30'	2.5'	7°	2'	7'	2'	7'	2.5'
31'	3'	7*	2'	7'	2'	7'	3'
32'	3'	7'	2'	8'	2'	7'	3'
33'	3'	7.5'	2'	8'	2'	7.5'	3'
34'	3'	7.5'	2.5'	8'	2.5'	7.5'	3'
35'	3'	8'	2.5'	8'	2.5'	8'	3'
36'	3.5'	8'	2.5'	8'	2.5'	8'	3.5'
37'	4'	8'	2.5'	8'	2.5'	8'	4'
38'	4'	8'	3'	8'	3'	8'	4'
39'	4'	8'	3'	9'	3'	8'	4'
40'	4'	8'	3'	10'	3'	8'	4'



SPEED CUSHIONS - EDGE DETAIL LOCAL ROAD



# SPEED CUSHIONS - CROSS SECTION LOCAL ROAD



ACHD
Traffic Engineering Division
3775 Adams Street Boles, ID 83714

	· SIGNATURES ·	
cele: MTS	Drawn By: Joshua Saak	Speed Hump
ata: 4/13/12	Design By: Joshua Saak	Roa
Re- 78-1191.04.DWG	Approved By: Ross Oven	Nou

· SHEET TITLE · np Details - Local Road, Speed Cushions adway Cross Sections, 25' - 40'

- STANDARD DISTAIL NO. TS-1121.04

11/19/2018

