



## Memorandum

TO: Transportation & Safety Committee

FROM: Alex Ariniello, Public Works & Utilities Director

DATE: September 17, 2018

RE: Pitkin North Speed Hump Request

Staff received a request for speed humps on Pitkin in the area of Roggen Way. The attached e-mail describes the problem and provides a map of suggested locations for speed humps. In response staff set up the Town's speed trailer and collected 4 days of speed data which is summarized in the attached report. The 85<sup>th</sup> Percentile speed was calculated at 29 mph with 26.5% of the traffic exceeding the 25 mph posted speed.

Based on last year's cost for speed humps, adjusted for inflation, the cost per speed hump, including design is estimated at \$12,000 for 2019. The cost of 4 speed humps would be approximately \$48,000. Staff feels the northernmost speed hump is probably unnecessary.

Alternatively, raised pedestrian crossings could be installed serving the dual purpose of traffic calming and pedestrian protection. Three potential locations are indicated in the attached graphic. A raised pedestrian crossing flush with the adjacent trails would cost about \$25,000.

Another option for traffic calming could be installation of a speed radar sign at a cost of about \$5,000.

## Alex Ariniello

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**From:** Oded Ouaknine <oded55@gmail.com>  
**Sent:** Monday, July 09, 2018 10:17 AM  
**To:** Alex Ariniello  
**Cc:** Bella Ouaknine; Alicia Billington  
**Subject:** Re: Speed problem , S. Pitkin Ave

Hey Alex

Thank you for getting back to me, first concern is correct, drivers are not stopping at the stop sign, a law enforcement will be very helpful but that would be a temporary solution.

As for the location of the speed bumps I am not an expert, but I attached a screenshot with a reasonable location. Near the stop sign, both sides, in order to slow speeding cars and by the pond where kids are passing all the time to their fishing , biking and other activities (no stop sign there).

I know this is a shared concern to many of our street residence, Would it make sense for us all to come to the September meeting? Is there a time and date set already?

Thank you

Oded & Bella



On Jul 9, 2018, at 9:24 AM, Alex Ariniello <[alexa@superiorcolorado.gov](mailto:alexa@superiorcolorado.gov)> wrote:

Oded:

Thank you for your e-mail and concern about safety in your neighborhood. Is your concern that drivers are running the stop sign? If so we can step up enforcement and maybe add "STOP" pavement markings. If you think a speed hump in advance of the Stop sign are necessary, could you indicate a location?

With requests such as these, our first step is to collect data. We'll set our speed radar trailer in the area and collect speed data.

Our next TSC meeting is in September. You can attend and present your concern to the Committee.

Thank you for bringing this issue to our attention.

Alex Ariniello  
Public Works & Utilities Director  
Town of Superior

-----Original Message-----

From: Oded Ouaknine [<mailto:oded55@gmail.com>]

Sent: Friday, July 06, 2018 8:05 PM

To: Alex Ariniello

Cc: Bella Ouaknine

Subject: Speed problem , S. Pitkin Ave

Dear Alex,

I am writing to you as the staff liaison for Superior Transportation and Safety Committee. I apologize if you are not the right person for this email,

My family and I live on Pitkin ave and E Roggen way, I would like to alert about a long time speeding problem on our street, S.Pitkin ave.

There are many families with small kids on this street who are crossing S.Pitkin multiple times a day, I frequently see cars speeding when coming down from rock creek toward S.Pitkin.

The stop sign on S.Pitkin and E.Roggen way may as well be a recommendation, very few cars actually stops while many don't even slow down.

This issue is a real risk to my kids and other children in the neighborhood.

What would be the best way to go about this if we would like the city to install a speed bump on our street before a disaster occurs?

Thank you for your advice,



Survey Summary Chart **Vehicle Speeds Graph** Speed Time Graph 15 Minute Breakdown Weekly Summary



Total Surveyed: **2427**

[Print Chart](#)

10 MPH Pace **?**

Pace Range **9 to 18**  
 Number in Pace **1073**  
 Percent in Pace **44.21%**

Location: **Pitkin**

Start: **7/16/2018 10:59:57** Zone: **Residential**

Finish: **7/20/2018 06:11:19** Speed Limit: **25**

Direction: **N** Weather:

Start @ **20**

Increment by **2**

Speed	1 - 19	20 - 21	22 - 23	24 - 25	26 - 27	28 - 29	30 - 31	32 - 33	34 - 35	36 - 37	38 - 39	40 -
Volume	1293	176	150	165	186	164	139	87	48	12	5	2
% of Total	53.27%	7.25%	6.18%	6.79%	7.66%	6.75%	5.72%	3.58%	1.97%	0.49%	0.2%	0.08%

**Speed Statistics**

Speed Limit: **25**

At/Under Limit	Over Limit	Average Speed	85th Percentile	Maximum Speed
<b>1784</b>	<b>643</b>	<b>19.48</b>	<b>29</b>	<b>41</b>
<b>73.5%</b>	<b>26.49%</b>		<b>?</b>	

**Number Over Limit**

Speed	25+	35+	45+	Total
Volume	<b>624</b>	<b>19</b>	<b>0</b>	<b>643</b>
% of Total	<b>25.71%</b>	<b>0.78%</b>	<b>0%</b>	<b>26.49%</b>

Pitkin NB n/o Roggen Way





Potential raised crossing

Potential raised crossing

Potential raised crossing

2.5% grade  
(30 ft drop over 1200 LF)



## Memorandum

TO: Transportation & Safety Committee

FROM: Alex Ariniello, Public Works & Utilities Director

DATE: September 17, 2018

RE: Castle Peak Speed Humps

At the direction of the TSC, staff installed temporary speed humps at two locations on Castle Peak Avenue. Traffic and speed data was collected before and after the installation as summarized in Table 1 and shown on the attached graphics. 85<sup>th</sup> percentile speeds have been reduced to less than the 25 mph posted speed after the speed humps were installed. The percentage of vehicles exceeding the posted speed has dropped from as high as 47% before the speed humps were installed to less than 10% post-installation.

The temporary speed humps need to be removed or they risk being damaged during snow removal operations. Staff recommends that a permanent installation include a third speed hump in the vicinity of Shavano Peak Dr. Three speed humps would cost about \$36,000 to construct which could be funded out of the 2019 traffic calming budget. Staff recommends a survey or public outreach process to determine whether permanent speed humps should be installed.

Table 1  
Castle Peak Speed/Volume Data

		Before Speed Humps 12/7/17 & 4/11-12/18			After Speed Humps 5/23-24/2018			After Speed Humps 8/28-29/2018		
Street	Location	Daily Traffic	85th Percentile Speed	% Exceeding 25 mph	Daily Traffic	85th Percentile Speed	% Exceeding 25 mph	Daily Traffic	85th Percentile Speed	% Exceeding 25 mph
Castle Peak	s/o Rock Creek Circle	2,511	28.5	46.7%	3,151	21	0.8%	2,760	23	4.2%
Castle Peak	n/o Shavano Peak	1,460	25.5		1,730	24	8.2%	1,375	23.5	7.0%
Castle Peak	n/o Grays Peak	1,132	25.5	19.4%	1,403	23.5	5.6%			
Castle Peak	sw/o Grays Peak							1,220	23	3.2%
Indiana St	s/o Coalton	3,471			4,234			4,360		
Indiana St	s/o Torreys Peak	2,069			2,673			2,365		
Torreys Peak Dr	e/o Indiana	790			1,040			1,015		
Torreys Peak Dr	w/o Rock Creek Circle	1,170			1,750			1,590		
Mt Sopris Pkwy	e/o Indiana	1,406			1,963			1,515		

# Castle Peak Speeds 9-13-18

Before Speed Humps  
Dec 7, 2017 & April 11-12, 2018: 28.5 MPH

After Speed Humps  
May 23-24, 2018: 21 MPH  
August 28-29, 2018: 23 MPH

Before Speed Humps  
Dec 7, 2017 & April 11-12, 2018: 25.5 MPH

After Speed Humps  
May 23-24, 2018: 24 MPH  
August 28-29, 2018: 23.5 MPH

Before Speed Humps  
Dec 7, 2017 & April 11-12, 2018: 25.5 MPH

After Speed Humps  
May 23-24, 2018: 23.5 MPH  
August 28-29, 2018: N/A

Before Speed Humps  
Dec 7, 2017 & April 11-12, 2018: N/A

After Speed Humps  
May 23-24, 2018: N/A  
August 28-29, 2018: 23 MPH

# Castle Peak Counts 9-13-18

Before Speed Humps  
Dec 7, 2017 & April 11-12, 2018: 2,511

After Speed Humps  
May 23-24, 2018: 3,151  
August 28-29, 2018: 2,760

Before Speed Humps  
Dec 7, 2017 & April 11-12, 2018: 1,460

After Speed Humps  
May 23-24, 2018: 1,730  
August 28-29, 2018: 1,375

Before Speed Humps  
Dec 7, 2017 & April 11-12, 2018: 1,132

After Speed Humps  
May 23-24, 2018: 1,403  
August 28-29, 2018: N/A

Before Speed Humps  
Dec 7, 2017 & April 11-12, 2018: N/A

After Speed Humps  
May 23-24, 2018: N/A  
August 28-29, 2018: 1,220