



## COUNTY OF HUMBOLDT

AGENDA ITEM NO.

K-1

For the meeting of: April 11, 2017

Date: March 17, 2017

To: Board of Supervisors

From: Thomas K. Mattson, Public Works Director

**SUBJECT: SPEED HUMPS ON HOLLY STREET (C3J670)**

### RECOMMENDATION(S):

That the Board of Supervisors:

1. Open the public hearing regarding the installation of up to two (2) speed humps on Holly Street between Walnut Drive and Excelsior Street in the Cutten area, receive public testimony, and close the public hearing.
2. Approve the Speed Hump Engineering Traffic Study for speed humps on Holly Street.
3. Based upon the public testimony, approve or deny the request for the installation of up to two (2) speed humps on Holly Street between Walnut Drive and Excelsior Street in the Cutten area.

### SOURCE OF FUNDING:

Road Fund

### DISCUSSION:

The Department of Public Works (Department) received a petition from residents in the Cutten area of Eureka (Applicants) requesting the installation of speed humps on Holly Street between Walnut Drive and Excelsior Street (Attachment 2). The county has a policy regarding the placement, installation and removal

Prepared by R. Bronkall/A. Reeve

CAO Approval

#### REVIEW:

Auditor \_\_\_\_\_ County Counsel Sm Human Resources \_\_\_\_\_ Other \_\_\_\_\_

#### TYPE OF ITEM:

☐ Consent  
☐ Departmental  
☒ Public Hearing  
☐ Other \_\_\_\_\_

#### PREVIOUS ACTION/REFERRAL:

Board Order No. \_\_\_\_\_

Meeting of: March 28, 2017 and April 4, 2017

#### BOARD OF SUPERVISORS, COUNTY OF HUMBOLDT

Upon motion of Supervisor Bohn Seconded by Supervisor Fennell

Ayes Bohn, Bass, Fennell, Sundberg, Wilson  
Nays \_\_\_\_\_  
Abstain \_\_\_\_\_  
Absent \_\_\_\_\_

and carried by those members present, the Board hereby approves the recommended action contained in this Board report.

Dated: \_\_\_\_\_  
By: \_\_\_\_\_

Kathy Hayes, Clerk of the Board

of speed humps on county maintained roads that was adopted by the Board of Supervisors on July 24, 2007. The Department reviewed the request in conformance with the policy. The Department has received support for the speed humps from Humboldt Transit Authority, California Highway Patrol and the Humboldt County Sheriff's Office; however, Humboldt Bay Fire has objected (Attachment 4).

As part of preparing the Speed Hump Engineering Traffic Study, it was discovered that Holly Street does not have a posted speed limit (Attachment 3). As a result, a speed limit ordinance pertaining to Holly Street was initially heard by your Board on March 28, 2017 and adopted on April 4, 2017.

Due to the existence of the following conditions, a public hearing must be held before the speed humps are considered for approval by the Board of Supervisors pursuant to Section C of the county's speed hump policy (Attachment 1):

1. The street is a primary route for emergency services.
2. The length of the road is one thousand and one hundred (1,100) feet between stop signs; which is less than the one thousand and two hundred (1,200) feet minimum set forth in the policy.
3. Humboldt Bay Fire has objected to the proposed speed humps.

If after the public hearing, the speed humps are approved by the Board of Supervisors, the Applicants will need to apply for and obtain an encroachment permit to construct the speed humps.

#### FINANCIAL IMPACT:

There is no impact to the road fund; speed humps are installed at the expense of the Applicants. This item conforms with the Board of Supervisors' Core Role of providing for and maintaining infrastructure.

#### OTHER AGENCY INVOLVEMENT:

None.

#### ALTERNATIVES TO STAFF RECOMMENDATIONS:

Board discretion.

#### ATTACHMENTS:

1. County of Humboldt Speed Hump Policy
2. Petition Requesting Installation of Speed Humps on Holly Street
3. County of Humboldt Speed Hump Engineering Traffic Study.
4. Response Letters

## **Attachment 1**

### **County of Humboldt Speed Hump Policy**

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**County of Humboldt • Department of Public Works**  
**1106 Second Street • Eureka • CA • 95501 • (707) 445-7491**



**COUNTY OF HUMBOLDT**  
**DEPARTMENT OF PUBLIC WORKS**



**SPEED HUMP**  
**POLICY**

07/24/2007



**COUNTY OF HUMBOLDT  
DEPARTMENT OF PUBLIC WORKS  
LAND USE DIVISION  
1106 Second Street  
Eureka, CA 95501  
(707) 445-7205**

**SPEED HUMP PROGRAM**

On July 24, 2007, the Board of Supervisors of the County of Humboldt adopted guidelines to allow the placement of speed humps on County maintained right of ways. The guidelines are broken down in the following sections:

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**A. SPEED HUMPS****WHAT IS THE DIFFERENCE BETWEEN A SPEED HUMP AND A SPEED BUMP?**

Speed humps are used on public streets in residential areas to reduce traffic speeds. Speed humps are 12 feet wide and 3 inches to 4 inches high. Their parabolic shape is designed to permit vehicles to traverse them at reasonable speeds without significant discomfort to the passengers.

Speed bumps are not used on public streets. They are typically found in shopping centers, apartment complexes, and other private properties. Speed bumps are usually 2 feet to 3 feet wide and 4 inches to 6 inches high. They usually cannot be traversed comfortably at speeds greater than 10 miles per hour.

**WHAT IS THE PURPOSE OF A SPEED HUMP?**

The purpose of a speed hump is to reduce the speed of vehicles on residential streets where excessive speeding occurs. Excessive speed is defined as the following:

- The 85 percentile speed (the speed at which 85% of the drivers travel at or under) is 7 or more miles per hour above the posted speed limit.

Speed humps are not designed to reduce the volume of traffic on residential streets; however, some drivers may divert to other streets to avoid the humps.

**WHERE ARE SPEED HUMPS USED?**

Speed humps are not intended for use on all streets. They are permitted on residential streets that have at least 1200 feet of uninterrupted length between stop signs or traffic signals where the posted or prima facie speed limit is 25 mph. They are not permitted on arterial streets or on streets that serve as a primary route for emergency vehicles without Board of Supervisors approval.

**ARE SPEED HUMPS EFFECTIVE?**

Speed humps have been shown to significantly reduce the speed of vehicles on residential streets. Studies indicate the 85th percentile speed (that speed below which 85% of all vehicles travel) decreased by 6 to 7 miles per hour after speed humps were installed.

**HOW MANY SPEED HUMPS DO YOU INSTALL ON A STREET?**

The number depends on the length of the street. For the humps to be effective they should be installed in a series, approximately 500 feet to 600 feet apart.

**County of Humboldt – Department of Public Works****ARE THERE DISADVANTAGES TO HAVING SPEED HUMPS ON MY STREET OR MY NEIGHBOR'S STREET?**

There is a potential for more vehicle noise.

Some drivers will drive closer to the curb so that only one side of the car goes over the speed hump. While this places the vehicle closer to the pedestrian areas, studies have shown these vehicles do not travel faster than other vehicles.

Some residents feel the additional traffic signs and street painting that accompany the installation of speed humps detract from the appearance of their neighborhood and could affect the property values.

Some drivers may speed up between the humps to make up for time lost while slowing down to go over the humps.

There could be a diversion of traffic to adjoining parallel streets from streets where speed humps are installed.

Emergency response times are delayed approximately 10 seconds per speed hump.

**COUNTY MAINTAINED RIGHT OF WAYS –VS– NON-COUNTY MAINTAINED RIGHT OF WAYS**

The County does not have jurisdiction over the placement of traffic calming devices (speed humps, speed bumps, etc.) on non-County maintained rights of ways.

Under this policy, the County will allow the placement of speed humps on County maintained right of ways. The procedure is described below.

**WHO WILL PAY FOR THE COSTS TO INSTALL (OR REMOVE) THE SPEED HUMPS?**

The County of Humboldt does not have a program to pay for the installation or removal of speed humps outside of larger specifically funded projects.

The following methods are available for the installation of speed humps:

- For mitigating additional traffic caused by new development, speed humps may be installed at the time of development and fully funded by the project developer (off-site mitigation of traffic impacts). Speed humps authorized under this item need to be incorporated into project conditions and approved by the Planning Commission.
- For engineered traffic calming in new subdivisions, the developer will be required to fund the entire cost.
- For new County projects where speed humps are recommended as mitigation during the environmental review of the new project, funding shall be included in the project.



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County of Humboldt – Department of Public Works

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- For retrofit of existing roads – applicants requesting the speed humps will need to provide all funding. Applicants will be required to fund the entire cost of the speed hump(s), including any permitting/design/bidding costs as well as construction costs.


In addition, proposed projects to install speed humps will require review for compliance with the California Environmental Quality Act (CEQA). Most projects will likely be exempt from the requirement to prepare an environmental review document under CEQA. Within the coastal zone, a coastal development permit may be necessary for the construction of speed humps. The applicant will be responsible for the cost of the CEQA review and preparation of an environmental document as well as the cost of obtaining a coastal development permit, as applicable.

**WHO WILL MAINTAIN THE SPEED HUMPS?**

When the speed humps are constructed on County maintained right of ways to County standards, the County will then accept future maintenance responsibility for the humps.

**B. ELIGIBLE STREETS**

A road being proposed for speed humps shall meet all of the following criteria, unless an exception is otherwise approved by the Board of Supervisors:

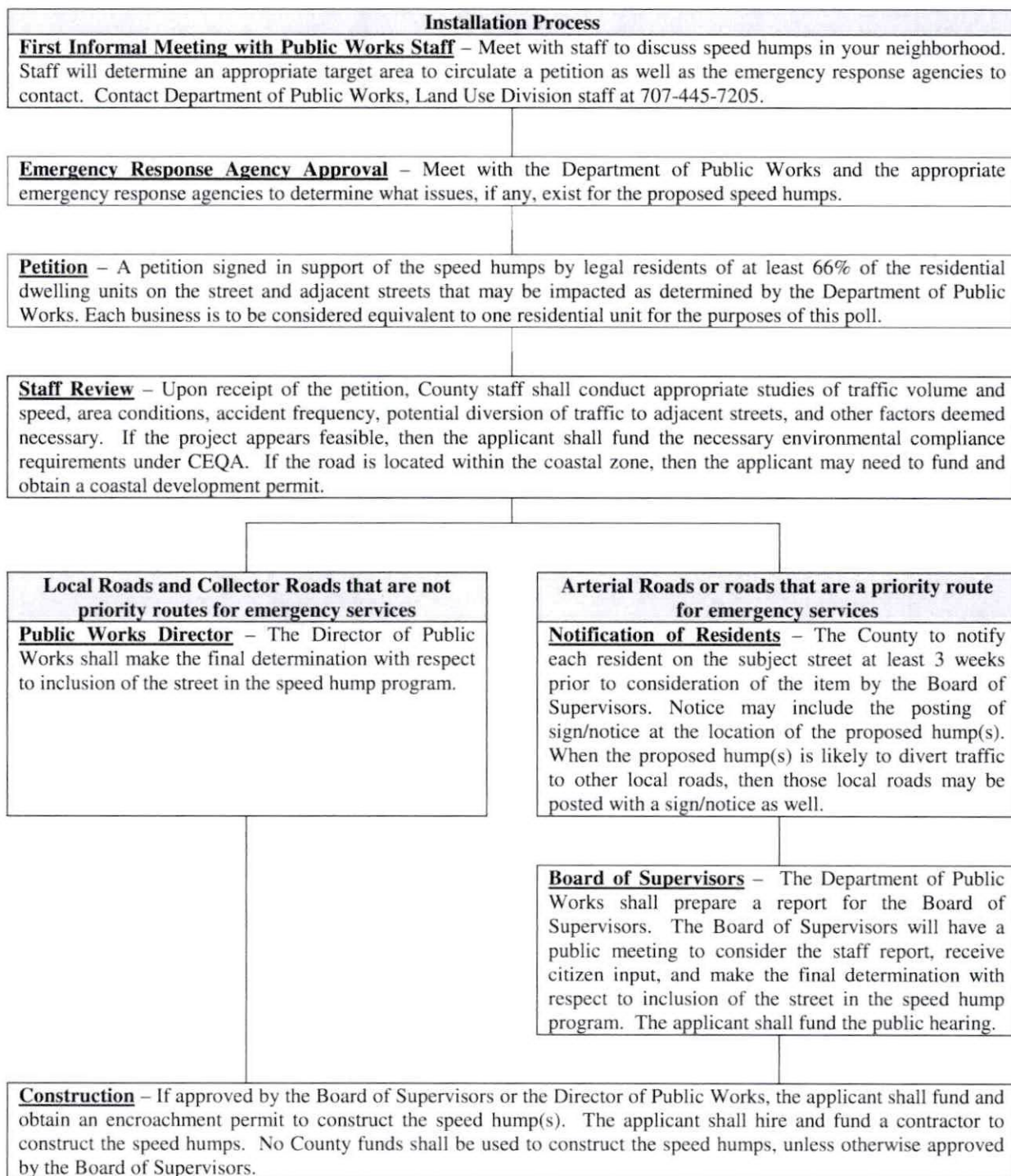
1. Road Classification - The road shall not be designated an arterial by the Department of Public Works.
2. Width - The road shall not have more than two (2) through lanes for vehicular travel.
3. Residential - The majority (at least 51%) of abutting development shall be residential uses.
4. Minimum Length Uninterrupted by Stop Signs or Traffic Signals – 1,200 feet. 
5. Minimum Speed Profile - 85th percentile speed must be or exceed 32 miles per hour.
6. Emergency Services - The road shall not be a priority route for emergency services without emergency service agency approval.
7. Transit - The road shall not be a transit bus route without transit agency approval.
8. Traffic Volume - The road shall not have an average daily traffic count (total of both directions) above 13,000.
9. Traffic Safety - The placement of speed humps must not result in a traffic safety hazard.



## County of Humboldt – Department of Public Works

**C. PROCEDURES FOR INSTALLATION**

When an individual or neighborhood group desires to have a speed hump(s) installed on a County road, then the following procedure shall be used.



**Attachment 2**

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**Petition Requesting Installation of Speed Humps on Holly Street**

## C. PETITION REQUESTING INSTALLATION OF SPEED HUMPS

We, the undersigned residents hereby request the County of Humboldt to install speed hump(s) on Holly Street (street) between Excelsior STREET and Walnut Drive (street). We certify that we are legal residents of the property affected by the speed humps. We agree that speed humps and/or signs may be placed in front of our property at the discretion of the Department of Public Works (Property owner only). We agree that, if in the future we desire to remove the speed hump(s), the hump(s) will only be considered for removal after receipt of a petition from a substantial majority (66% or more) asking for the removal, along with sufficient funds for their removal. The Department of Public Works reserves the right to remove any or all of the humps at any time at no cost to the property owners.

Neighborhood Representative Jim Martin (name) Telephone 442-5362 (telephone)

DATE	SIGNATURE OF RESIDENT	ADDRESS (please print)	DAYTIME PHONE NUMBER	OK to install hump and/or sign in front of my residence?	Owner or Renter?
8-29-16	[Signature]	2095 Holly St #1	707 502-1559	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> Owner <input checked="" type="checkbox"/> Renter
8-29-16	[Signature]	2133 Holly St	444-3150	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8-29-16	[Signature]	2130 Holly St.	443-2277	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8-29-16	[Signature]	2088 Holly St	442-8581	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8-29-16	[Signature]	2082 Holly St	442 0225	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8-29-16	[Signature]	2072 Holly St	443-0689	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8-30-16	[Signature]	2020 Holly St	443-7992	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8-30-16	[Signature]	2035 Holly St	298-9425	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/30/16	[Signature]	1960 Holly St	834-4321	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/30/16	[Signature]	1946 Holly St	496-6212	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter



# RECEIVED

## Speed Hump Guidelines

05/14/2007

County of Humboldt - Department of Public Works

HUMBOLDT COUNTY PUBLIC WORKS  
LAND USE DIVISION

### G. PETITION REQUESTING INSTALLATION OF SPEED HUMPS

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Neighborhood Representative Jim Martin (name) Telephone 442-5362 (telephone)

DATE	SIGNATURE OF RESIDENT	ADDRESS (please print)	DAYTIME PHONE NUMBER	OK to install hump and/or sign in front of my residence?	Owner or Renter?
8/29/16	Jim Martin	2015 Holly St Eureka, CA	442-5362	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8-29-16	MARK SPENCER	2000 HOLLY ST EUREKA CA	707-496-2996	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/29/16	John R. Mendenhall	1990 Holly St Eureka, Ca	499-8493	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/29/16	John A. Scholten	1991 Holly St. Eureka	707-443-8676	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/29/16	Marlene Olemczyk	4303 HORSEMAN LN	444-3366	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/29/16	Rachel Adams	4293 Horseman Ln	443-9823	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/29/16	John Wickert	1963 Holly St	444-9738	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/29/16	Karna Hanes	20391 Holly St	845-2521	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/29/16	John R. Ketch	2091 Flamingo	442-7022	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/29/16	Robert Jensen	2083 Holly	707-798-2073	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter

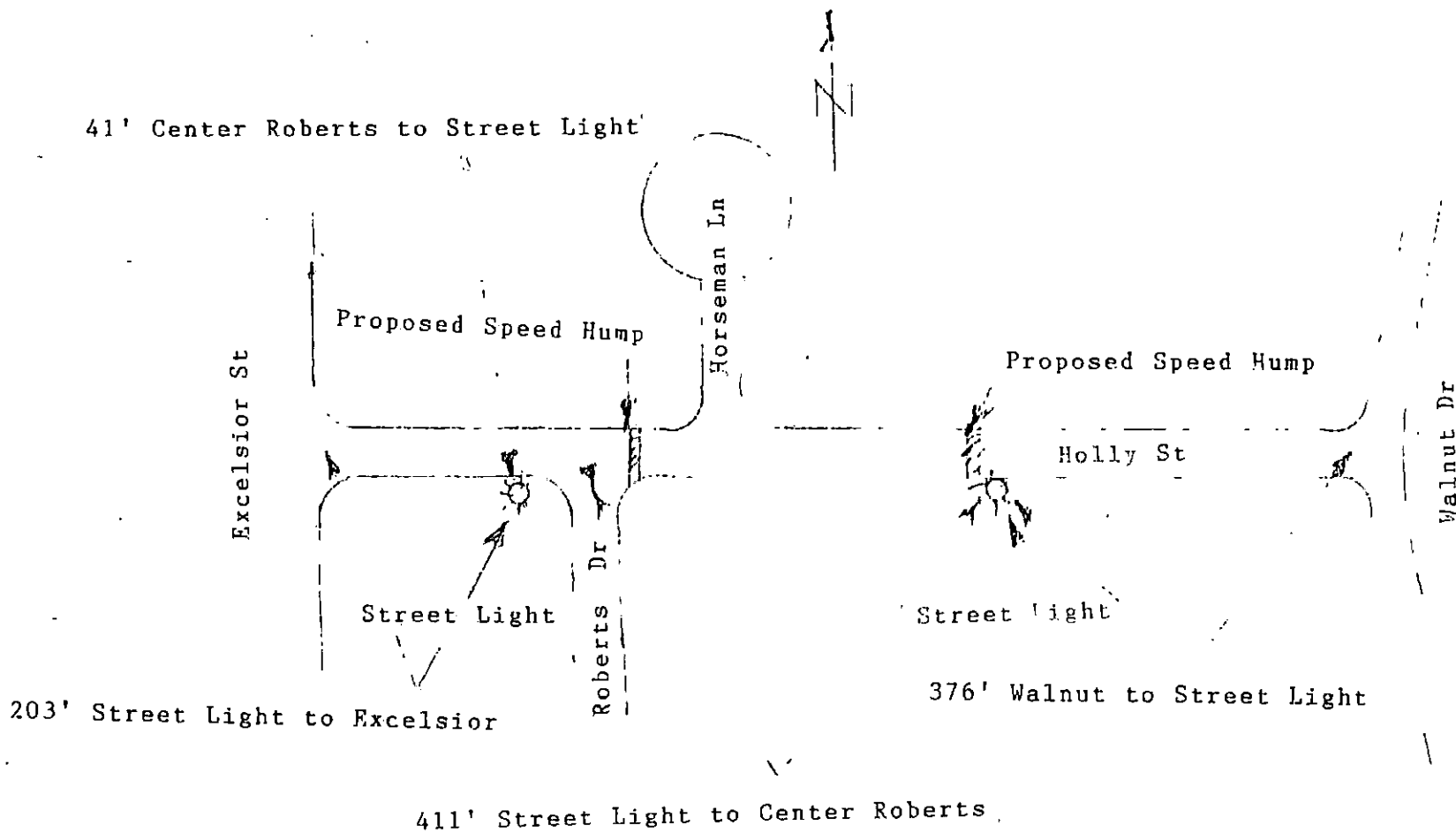
POLICY BINDER  
VOL 3 PG 234

## C. PETITION REQUESTING INSTALLATION OF SPEED HUMPS

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Neighborhood Representative Jim Martin Telephone 442-5362

DATE	SIGNATURE OF RESIDENT	ADDRESS (please print)	DAYTIME PHONE NUMBER	OK to install hump and/or sign in front of my residence?	Owner or Renter?
8/31/16	<i>Jillie H. Low</i>	1918 Holly Eureka, CA 95503	707 496-5422	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
8/31/16	<i>Arlene Roberg</i>	1937 HOLLY ST EUREKA, CA	707 444-3819	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Renter
				<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> Owner <input type="checkbox"/> Renter
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				<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> Owner <input type="checkbox"/> Renter



**Attachment 3**

**County of Humboldt Speed Hump Engineering Traffic Study**

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**County of Humboldt**  
**Speed Hump Engineering Traffic Study**

**VEHICLE SPEED DATA AND ROAD CONFIGURATION**

Street Name: Holly Street (C3J670)

Date: 02/27/2017

Roadway Functional Classification: ☐ Local ☒ Collector ☐ Arterial\*

\*Note: Speed Humps on roads designated as an Arterial require approval from the Board of Supervisors.

Roadway Width: 40' curb to curb

Number of Travel Lanes: 2

Note: Speed Humps on roads with more than two through lanes for vehicular traffic require approval from the Board of Supervisors.

ADT: 1,600±

Note: Speed Humps on roads where the ADT exceeds 13,000 (both directions combined) require approval from the Board of Supervisors.

Two Way Left Turn Lane: ☐ Yes ☒ No

Medians: ☐ Yes ☒ No

Parking Lanes: ☐ One Side ☒ Both Sides ☐ None

Sidewalks: ☐ One Side ☒ Both Sides ☐ None

Bike Lanes: ☐ Yes ☒ No

Street Lighting: ☒ Yes ☐ No

Terrain: ☒ Flat (up to 5%) ☐ Moderate (5 to 10%) ☐ Steep (10+ %)

Curbs: ☒ Yes ☐ No

Minimum Length between stop signs or traffic signals: 1,100

Note: Speed Humps on roads with less than 1200 feet between stop signs require approval from the Board of Supervisors.

Percent Residential: 100%

Note: Speed Humps on roads with less than 51% abutting residential uses require approval from the Board of Supervisors.

Speed Profile: 29

Note: Speed Humps on roads where the 85<sup>th</sup> percentile speed is below 32 MPH require approval from the Board of Supervisors.

Emergency Services: ☒ Yes\* ☐ No

\*Note: Speed Humps on roads designated as priority route for emergency services without the support of the emergency response agency require approval from the Board of Supervisors.

Transit: ☒ Yes\* ☐ No

\*Note: Speed Humps on roads designated as a transit route without the support of the transit agency require approval from the Board of Supervisors.

Will the Speed Humps create a traffic safety hazard? ☐ Yes (described below)\* ☒ No

\*Note: Speed Humps that may create a traffic safety hazard require approval from the Board of Supervisors.

5 year Accident History 3

Other considerations and conditions not readily apparent to drivers:

Accident history does not suggest a speeding problem. All three accidents occurred at either the intersection of Holly and Walnut or Holly and Excelsior.

## LOCATION MAP

Street Name: Holly Street (C3J670)

Date: 02/22/2017



## DISCUSSION AND RECOMMENDATION

On the basis of an engineering and traffic investigation and in accordance with the County of Humboldt's *Speed Hump Policy*, the following recommendations are made:

Speed Humps Recommended: ☒ YES ☐ NO

Board of Supervisor Approval Required: ☒ YES ☐ NO

Locations Recommended: Under street light west of Roberts Drive  
East of driveway at 2060 Holly Street near  
street light

Speed humps, if recommended, shall be constructed to the specifications of the County's *Speed Hump Policy* and shall be signed and striped in conformance with the latest edition of the *California Manual of Uniform Traffic Control Devices* (CA-MUTCD).

**Attachment 4**

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**Response Letters**



ARCATA-EUREKA AIRPORT TERMINAL  
McKNLEYVILLE  
FAX 839-3598

AVIATION 839-5401

DEPARTMENT OF PUBLIC WORKS  
**COUNTY OF HUMBOLDT**  
MAILING ADDRESS: 1106 SECOND STREET, EUREKA, CA 95501-0579  
AREA CODE 707

PUBLIC WORKS BUILDING  
SECOND & L ST., EUREKA  
FAX 445-7408

ADMINISTRATION	445-7491	NATURAL RESOURCES	445-7741
BUSINESS	445-7652	NATURAL RESOURCES PLANNING	267-9540
ENGINEERING	445-7377	PARKS	445-7651
FACILITY MAINTENANCE	445-7483	ROADS & EQUIPMENT MAINTENANCE	445-7421

CLARK COMPLEX  
HARRIS & H ST., EUREKA  
FAX 445-7388

LAND USE 445-7205

09/14/2016

California Highway Patrol  
255 E. Samoa Blvd  
Arcata, CA 95521

**RE: SPEED HUMPS  
HOLLY STREET, EUREKA**

The Department has received a petition for the installation of two speed humps on Holly Street, a paved county maintained road in the Cutten area. The approximate location of the speed humps are shown in the attached diagram. The approval process for speed humps requires input from emergency response agencies. Please provide your agency's comments to the Department by Friday 10/07/2016.

You may return the acknowledgement by mail; by fax to 707.445.7388; or by e-mail to [bbronkall@co.humboldt.ca.us](mailto:bbronkall@co.humboldt.ca.us). If you have any questions, please feel free to call me at 707.445.7205.

Sincerely,

**Robert W. Bronkall**  
Deputy Director  
Land Use Division  
3033 "H" Street, Room 17  
Eureka, CA 95501

**ACKNOWLEDGMENT**

☒ Recommend approval / No comment

☐ Recommend denial

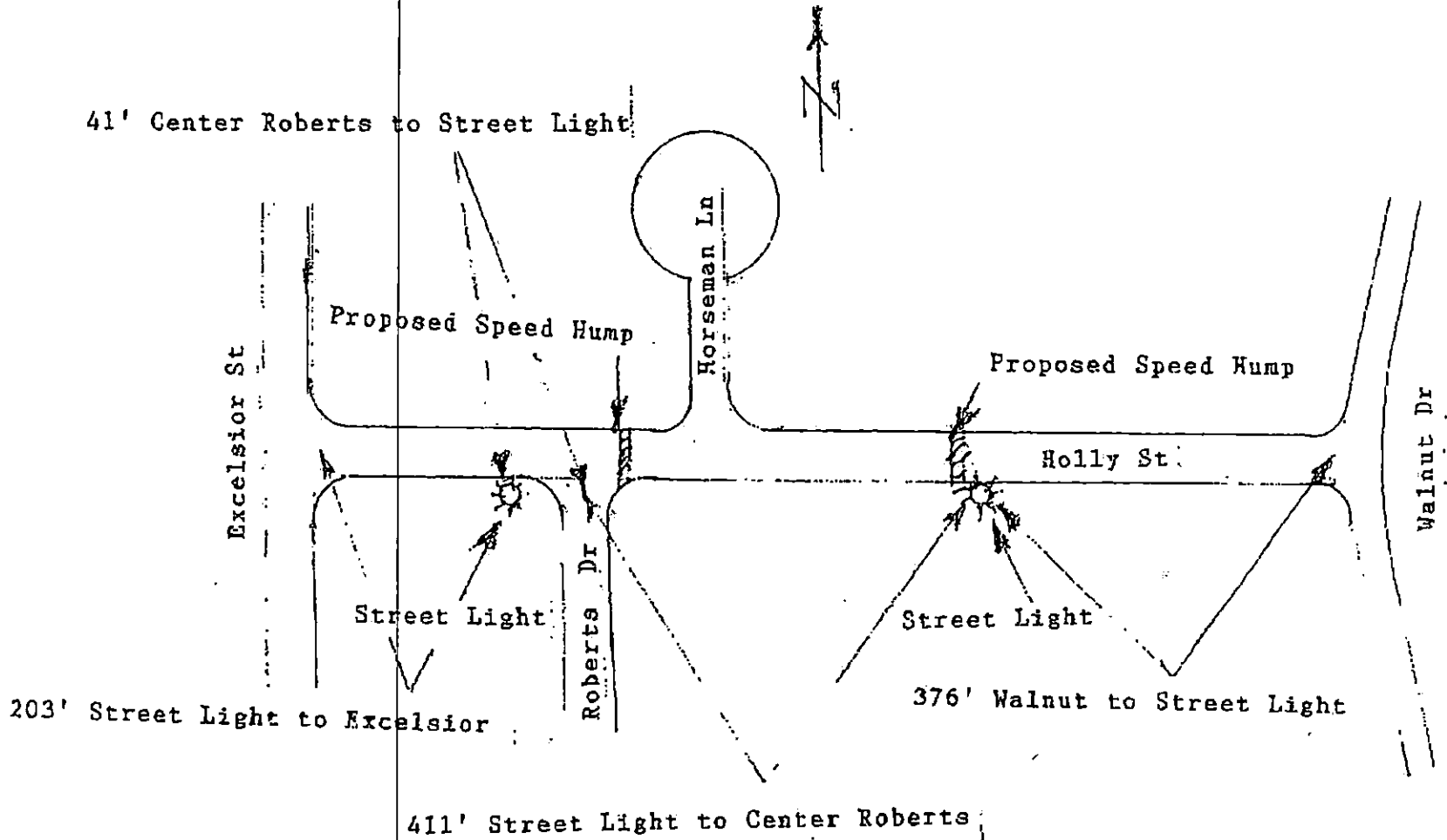
By: CHP

Print name: B.M. FARBER

Title: CAPTAIN

Date: 9/20/16

Comments:





ARCATA-EUREKA AIRPORT TERMINAL  
MCKINLEYVILLE  
FAX 839-3596

AVIATION

839-5401

DEPARTMENT OF PUBLIC WORKS  
**COUNTY OF HUMBOLDT**

MAILING ADDRESS: 1106 SECOND STREET, EUREKA, CA 95501-0579  
AREA CODE 707

PUBLIC WORKS BUILDING  
SECOND & I ST. EUREKA  
FAX 445-7409

ADMINISTRATION  
BUSINESS  
ENGINEERING  
FACILITY MAINTENANCE

445-7491  
445-7652  
445-7377  
445-7493

NATURAL RESOURCES  
NATURAL RESOURCES PLANNING  
PARKS  
ROADS & EQUIPMENT MAINTENANCE

445-7741  
267-9540  
445-7651  
445-7421

CLARK COMPLEX  
HARRIS & H ST. EUREKA  
FAX 445-7388

LAND USE

445-7205

09/14/2016

Humboldt County Sherriff  
826 4<sup>th</sup> Street  
Eureka, CA 95501

**RE: SPEED HUMPS  
HOLLY STREET, EUREKA**

The Department has received a petition for the installation of two speed humps on Holly Street, a paved county maintained road in the Cutten area. The approximate location of the speed humps are shown in the attached diagram. The approval process for speed humps requires input from emergency response agencies. Please provide your agency's comments to the Department by Friday 10/07/2016.

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Sincerely,

**Robert W. Bronkall**  
Deputy Director  
Land Use Division  
3033 "H" Street, Room 17  
Eureka, CA 95501

**ACKNOWLEDGMENT**

☒ Recommend approval / No comment

☐ Recommend denial

By: HUMBOLDT SHERIFF

Print name: MIKE FRIDLEY

Title: LIEUTENANT

Date: 09-22-16

Comments:



**Reeve, Arthur**

---

**From:** Fridley, Michael  
**Sent:** Thursday, September 22, 2016 10:29 AM  
**To:** Bronkall, Bob  
**Subject:** Holly Street speed humps

Good morning Bob

I am the patrol Lieutenant for the Sheriff's Office responsible for the Cutten area. I am familiar with the area that the speed humps are be considered. As you know Holly Street is a well-used road connecting Excelsior and Walnut. With that said, I feel the benefits of slowing traffic outweighs the minimal amount of time a Deputy Sheriff would have to slow down when responding to an emergency call. I am recommending approval. I will email you a copy of the signed acknowledgement form to you. Call me if you have any questions.

Lieutenant Mike Fridley  
Humboldt County Sheriff's Office  
Patrol Operations  
826 4<sup>th</sup> Street  
Eureka, Ca  
Desk 268-3608  
Email: [mfridley@co.humboldt.ca.us](mailto:mfridley@co.humboldt.ca.us)



**From:** Greg Pratt [greg@hta.org]  
**Sent:** Wednesday, March 01, 2017 7:01 AM  
**To:** Bronkall, Bob  
**Subject:** RE: Speed Humps on Holly Street

Hi Bob,  
Thank you for the drawing. HTA is supportive of the two proposed speed bumps on Holly Street.

*Greg Pratt*  
*General Manager*  
*Humboldt Transit Authority*  
*133 V Street Eureka, CA 95501*  
*(707) 443-0826 ext. 101*  
[greg@hta.org](mailto:greg@hta.org)

**From:** [BBronkall@co.humboldt.ca.us](mailto:BBronkall@co.humboldt.ca.us) [mailto:BBronkall@co.humboldt.ca.us]  
**Sent:** Tuesday, February 28, 2017 11:27 PM  
**To:** Greg Pratt <[greg@hta.org](mailto:greg@hta.org)>  
**Subject:** RE: Speed Humps on Holly Street

These ones are essentially speed tables. It is a gradual increase with a flat area on top, then a gradual decrease. It's 22 feet long. See the attached .pdf for the details.

Please let me know if this is supported by HTA.

--Bob

**From:** Greg Pratt [mailto:greg@hta.org]  
**Sent:** Tuesday, February 28, 2017 12:17 PM  
**To:** Bronkall, Bob  
**Subject:** RE: Speed Humps on Holly Street

Hi Bob,  
Any idea yet on the type of speed bumps you will be installing? I'm curious if they are the ones you practically have to come to a stop for to be able to drive over them.

*Greg Pratt*  
*General Manager*  
*Humboldt Transit Authority*  
*133 V Street Eureka, CA 95501*  
*(707) 443-0826 ext. 101*  
[greg@hta.org](mailto:greg@hta.org)

**From:** [BBronkall@co.humboldt.ca.us](mailto:BBronkall@co.humboldt.ca.us) [mailto:BBronkall@co.humboldt.ca.us]  
**Sent:** Monday, February 27, 2017 3:16 PM

**To:** Greg Pratt <[greg@hta.org](mailto:greg@hta.org)>

**Subject:** Speed Humps on Holly Street

Greg-

The Department has received a request to install speed humps on Holly Street in the Cutten area. Holly Street is a transit route. Therefore, the Department is looking for concurrence with HTA regarding the installation of speed humps. Please let me know your thoughts.



Thanks.

--Bob

Sincerely,

**Robert W. Bronkall, PE, LS**

Deputy Director

County of Humboldt | Department of Public Works | Land Use Division

tel: 707.445.7205x367 fax: 707.445.7388 e-mail: [bbronkall@co.humboldt.ca.us](mailto:bbronkall@co.humboldt.ca.us)

office: Clark Complex | 3033 "H" Street, Room 17 | Eureka | CA | 95501

mail: 1106 Second Street | Eureka | CA | 95501



ARCATA-EUREKA AIRPORT TERMINAL  
McKINLEYVILLE  
FAX 839-3596

AVIATION 839-5401

DEPARTMENT OF PUBLIC WORKS  
**COUNTY OF HUMBOLDT**

MAILING ADDRESS: 1106 SECOND STREET, EUREKA, CA 95501-0579  
AREA CODE 707

PUBLIC WORKS BUILDING  
SECOND & L ST. EUREKA  
FAX 445-7409

ADMINISTRATION	445-7491	NATURAL RESOURCES	445-7741
BUSINESS	445-7652	NATURAL RESOURCES PLANNING	267-9540
ENGINEERING	445-7377	PARKS	445-7651
FACILITY MAINTENANCE	445-7493	ROADS & EQUIPMENT MAINTENANCE	445-7421

CLARK COMPLEX  
HARRIS & H ST. EUREKA  
FAX 445-7388

LAND USE 445-7205

09/14/2016

Humboldt Bay Fire Station 1  
533 C Street  
Eureka, CA 95501

**RE: SPEED HUMPS  
HOLLY STREET, EUREKA**

The Department has received a petition for the installation of two speed humps on Holly Street, a paved county maintained road in the Cutten area. The approximate location of the speed humps are shown in the attached diagram. The approval process for speed humps requires input from emergency response agencies. Please provide your agency's comments to the Department by Friday 10/07/2016.

You may return the acknowledgement by mail; by fax to 707.445.7388; or by e-mail to [bbronkall@co.humboldt.ca.us](mailto:bbronkall@co.humboldt.ca.us). If you have any questions, please feel free to call me at 707.445.7205.

Sincerely,

**Robert W. Bronkall**  
Deputy Director  
Land Use Division  
3033 "H" Street, Room 17  
Eureka, CA 95501

**ACKNOWLEDGMENT**

☐ Recommend approval / No comment

☒ Recommend denial

By:

Print name:

Bill Gillespie

Title:

Fire Chief

Date:

9-21-16

Comments:





## HUMBOLDT BAY FIRE

Joint Powers Authority

533 C Street • Eureka, California 95501-0340 • (707) 441-4000  
Fax (707) 441-4133 • [www.hbfire.org](http://www.hbfire.org) • email: [info@hbfire.org](mailto:info@hbfire.org)

September 21, 2016

Robert W. Bronkall  
Deputy Director  
Land Use Division  
3033 "H" Street, Room 17  
Eureka, CA 95501

RE: SPEED HUMPS, HOLLY STREET, EUREKA

Dear Mr. Bronkall,

I have reviewed the letter and map detail regarding the proposed speed humps being requested for installation on Holly Street between Excelsior Street and Walnut Drive. The detail depicts two speed humps on Holly Street.

Humboldt Bay Fire JPA provides emergency response to incidents including fires, rescues, extrications, medical calls, hazardous material calls, natural gas leaks, and a host of non-emergency calls within the greater Eureka area, including Cutten. Holly Street is used as an emergency response route providing the shortest, most efficient travel route for fire units responding between the Rosewood area (D, E, F area south of Hodgson Street) and Cutten, and vice versa. The route is additionally used by the ambulance and law enforcement.

Humboldt Bay Fire is opposed to the placement of speed humps on Holly Street. Speed humps are known to reduce response times for fire engines by up to 10 seconds per hump, and can cause even longer reductions for ladder trucks and ambulances. This has been shown time and again in studies conducted in many locations across the county, such as by the Portland Bureau of Transportation, City of Los Angeles Department of Transportation and Los Angeles City Fire Department, Eugene Fire & Emergency Medical Services, and the Institute of Traffic Engineers. In the 2013 study conducted by the Los Angeles Department of Transportation and the Los Angeles Fire Department, the Department of Transportation recommended that the City of Los Angeles suspend the installation of speed humps altogether. While speed humps and other roadway traffic calming devices are typically designed for a 15-25 mile per hour safe crossing speed, large, heavy vehicles, vehicles with a long wheel base, and vehicles carrying patients or persons as cargo must often traverse the calming devices at an even slower rate of speed. Compound this with placement of multiple devices, and vital seconds are added to emergency response.

As one considers an increased response time as a result of an emergency vehicle slowing for one or more speed humps, an increase of 10 to 40 seconds may not seem like much. However, when one considers that brain death occurs in 4-6 minutes in a person who has stopped breathing, that

increased response time reduces the survivability profile of a victim. In other words, the longer it takes emergency personnel to get on scene and provide basic life support and advanced life support treatment to a person having a heart attack or not breathing, the less chance that the person will survive.

While response times are the most critical concern, additional wear and tear on our emergency response vehicles is a close second. As we know, many of the roads in our area have experienced deferred maintenance over the past years due to budget constraints. This places a higher level of wear upon our emergency vehicles. Add to this the addition of speed humps, tables, or bumps, and the wear and tear on vehicles increases further. Wear and tear does not come without a cost to keep units repaired and operational, yet we struggle with ever decreasing budgets to accomplish these tasks.

To reiterate, Humboldt Bay Fire is opposed to the installation of the proposed speed humps on Holly Street, and to the installation of speed humps at any location within our jurisdiction. We are open to consideration and discussion of other options if there are ideas that could be used in this area. Installation of bulbs, neck downs, active speed control signage showing actual speed of vehicles, or "choke" type constrictions on the roadway could be options to explore.

If you have any questions, please don't hesitate to contact me at 441-4000.

Sincerely,

A handwritten signature in blue ink, appearing to read "Bill Gillespie", with a stylized flourish at the end.

Bill Gillespie  
Fire Chief  
Humboldt Bay Fire