

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
BOARD ACTION SUMMARY

DEPT: Public Works

BOARD AGENDA #: *C-2

AGENDA DATE: April 5, 2016

SUBJECT:

Approval to use Community Development Funds for an Engineering Study and Speed Hump Installation in the Community of Knights Ferry

BOARD ACTION AS FOLLOWS:

No. 2016-169

On motion of Supervisor Chiesa, Seconded by Supervisor O'Brien
and approved by the following vote,

Ayes: Supervisors: O'Brien, Chiesa, Withrow, DeMartini, and Chairman Monteith

Noes: Supervisors: None

Excused or Absent: Supervisors: None

Abstaining: Supervisor: None

1) Approved as recommended

2) Denied

3) Approved as amended

4) Other:

MOTION:

ATTEST: Elizabeth A. King
ELIZABETH A. KING, Clerk of the Board of Supervisors

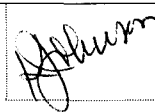
File No.

**THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
AGENDA ITEM**

DEPT: Public Works

Urgent

Routine



BOARD AGENDA #: *C-2

AGENDA DATE: April 5, 2016

CEO CONCURRENCE: _____

4/5 Vote Required: Yes No

SUBJECT:

Approval to use Community Development Funds for an Engineering Study and Speed Hump Installation in the Community of Knights Ferry

STAFF RECOMMENDATIONS:

1. Approve the use of up to \$20,000 of Community Development Funds to conduct an Engineering study and install up to three speed humps on Sonora Road, in the community of Knights Ferry.
2. Direct the Auditor-Controller to make the necessary budget adjustments per the attached financial transaction sheet.
3. Authorize the Director of Public Works to take any appropriate action necessary to carry out the purpose and intent of these recommendations.

DISCUSSION:

The Knights Ferry Municipal Advisory Committee (MAC) has requested the installation of speed humps on Sonora Road/Main Street to reduce speeding vehicles in their community. Due to department financial constraints and the volume of requests received for such devices, Public Works is requesting the one-time use of Community Development Funds to pay for the Engineering study and construction of speed humps in Knights Ferry. The engineering study will determine if the installation of speed humps is feasible at the locations requested. If it is determined that the installation will not cause undue delay to motorists and will improve the safety of the roadway, engineering staff will recommend the installation.

Speeding in urban residential zones is one of the most common complaints the Department of Public Works Traffic Engineering division receives. In the past, there were limited tools to control residential speeds which by statute are 25 miles per hour. One method used was enforcement in cooperation with the California Highway Patrol; however, this is temporary as resources are limited. Another method that can be used to reduce speeds is temporary or permanent speed feedback signs that will report a driver's speed in flashing lights. These speed feedback signs can be an effective deterrent to speeding. However, over time, drivers will begin to disregard the signs if speed enforcement is not coupled with the feedback signs.

Speed humps provide a physical constraint that drivers cannot ignore and are used on public streets in residential areas to reduce traffic speeds. Speed humps are typically 12 feet wide

Approval to use Community Development Funds for an Engineering Study and Speed Hump Installation in the Community of Knights Ferry

and 3 inches to 4 inches high, but the dimensions are determined by the needs of the particular roadway. In particular, the width and spacing may vary to ensure that drivers must cross them, and that emergency response vehicles will not be significantly delayed. Their curved shape is designed to allow vehicles to cross them at reasonable speeds without any major discomfort to the passengers.

Currently, the County does not have any adopted guidelines for speed humps, which attempt to reduce vehicle speeds in residential zones. Speed humps are not intended for use on all streets. They are generally permitted on residential streets that have at least 1,200 feet of uninterrupted length between stop signs or traffic signals where the posted or prima facie speed limit is 25 mph. Speed humps are not recommended on arterial streets or on streets that serve as a primary route for emergency vehicles. A preliminary investigation of existing data by engineering staff shows that this location is a likely candidate for the installation of speed humps. Therefore, staff is requesting that the Board consider the approval of a detailed engineering study and the installation of speed humps on Sonora Road/Main Street in the community of Knight's Ferry.

Traffic Engineering staff has provided a cost estimate for the engineering studies necessary to determine if speed humps or other traffic calming measures are feasible at the location requested. The estimate for the engineering study includes new traffic counts for the roads requested and other local roads that are potentially affected by the installation. County Engineering Staff will analyze the data and determine if the locations are acceptable for installation. Local law enforcement and Fire protection agencies will be consulted as part of the engineering study to address any concerns from emergency personnel.

The installation of Speed humps may cost upwards of \$4,000 each, with most implementations requiring 2-3 speed humps spaced approximately 200-300 feet from each other. This configuration will encourage drivers to maintain slower speeds as opposed to intermittent acceleration and braking. Ideal locations of speed humps will be near existing street lighting. The proposed budget breakdown is shown below:

Task	Estimated Cost
Engineering Study	\$1,600
Purchasing Support	400
Materials - Humps and Striping	12,000
Labor - Installation	3,000
Inspection	250
Contingency	2,750
Total	\$20,000

The Stanislaus County Community Development Fund was established by the Board of Supervisors at \$1.5 million as part of the fiscal year 2007-2008 Adopted Final Budget. To date, twenty-seven projects have been awarded funding from this source. Such community projects have included sidewalk, lighting, and infrastructure improvements; establishing maintenance districts in the unincorporated communities of Stanislaus County; and neighborhood cleanup activities.

Approval to use Community Development Funds for an Engineering Study and Speed Hump Installation in the Community of Knights Ferry

If the study indicates speed humps are feasible, Public Works will solicit a licensed and insured contractor to install the speed humps. Public Works will inspect the installation and all Public Works staffing costs associated with the installation of the speed humps will be funded by the approved use of the Community Development Funds. Any remaining funds not expended after the successful installation of the speed humps will be returned to the Community Development Fund. On-going maintenance of the speed hump material will be provided by the Department of Public Works.

POLICY ISSUE:

The use of Community Development Funds must be approved by the Board of Supervisors. Currently there is no policy or program adopted within the County to provide guidelines for funding or installing speed humps in residential neighborhoods.

FISCAL IMPACT:

As of February 29, 2016, the uncommitted balance in the Community Development Fund is \$1,334,021. If the use of up to \$20,000 in Community Development Funds is approved to conduct an engineering study and install up to three speed humps on Sonora Road, in the community of Knights Ferry, the uncommitted balance would be \$1,314,021, not including interest earnings.

Cost of recommended action:		\$ 20,000
Source(s) of Funding:		
Community Development Fund	\$ 20,000	
Funding Total:		20,000
Net Cost to County General Fund		\$ -
Fiscal Year:	2015-2016	
Budget Adjustment/Appropriations needed:	Yes	
Fund Balance as of 2/29/2016:		
Community Development Funds	\$ 1,334,021	

BOARD OF SUPERVISORS' PRIORITY:

The recommended action is consistent with the Board's priority of A Well-Planned Infrastructure System by calming traffic within Knights Ferry.

STAFFING IMPACT:

The Chief Executive Office oversees the use of Community Development Funds to ensure that they are consistent with proposed project and Board's direction. Existing Public Works staff will perform the Engineering study and procure a contractor for the installation.

Approval to use Community Development Funds for an Engineering Study and Speed Hump Installation in the Community of Knights Ferry

CONTACT PERSON:

Matt Machado, Director of Public Works

Telephone: (209) 525-4153

ATTACHMENT(S):

1. Location Exhibit
2. Budget Journal

ATTACHMENT 1
LOCATION EXHIBIT

Knight's Ferry Speed Humps

Tentative Installation Locations

- Speed Humps
- Existing Stop Signs



ATTACHMENT 2
BUDGET JOURNAL

Database FMSDBPRD.CO.STANISLAUS.CA.US.PROD
 Balance Type Budget
 Data Access Set County of Stanislaus

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Ledger * List - Text County of Stanislaus
 Budget List - Text LEGAL BUDGET
 Category * List - Text Budget - Upload
 Source * List - Text PW JAS
 Currency * List - Text USD
 Period List - Text ~~MAR-16~~ APR-16 ~~MM~~
 Batch Name Text
 Journal Name Text JV102087
 Journal Description Text Increase Expected Revenue for the Knight
 Journal Reference Text
 Organization List - Text Stanislaus Budget Org
 Chart Of Accounts Text Accounting Flexfield

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 ENTER AS MMM-YY (ALL CAPS FOR MMM) EX: NOV-11
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Dept	Fund (4 char)	Org (7 char)	Account (5 char)	Gl. Project (7 char)	Location (6 char)	Misc. (6 char)	Other (5 char)	Debit incr appropriations decr est revenue # Budget	Credit decr appropriations incr est revenue # Number	Line Description	
To	0107	0015292	85850	0000000	000000	000000	00000	20000		Community Dev Fund	
Fr	1102	0040310	46600	0009625	000000	000000	00000		20000	Knights Ferry	
Totals:									20000	20000	

Tip: This is not the end of the Template. Unprotect the sheet and insert as many rows as needed.

Explanation: Increase Expected Revenue for the Knights Ferry Speed Hump Installation Project
 Going to the Board on 4/5/16

Requesting Department		Date Entry		Auditors Office	
Julie A Serrano	<i>[Signature]</i>	<i>[Signature]</i>		<i>[Signature]</i>	
Prepared by	Approved By	Keyed by	Prepared By	Approved By	
3/29/16	<i>[Signature]</i>			<i>[Signature]</i>	
Date	Date	Date	Date	Date	Date
	3/30/16			3/30/2016	