



V I L L A G E O F K E Y B I S C A Y N E

Office of the Village Manager

Village Council

Franklin H. Caplan, *Mayor*
Michael E. Kelly, *Vice Mayor*
Michael W. Davey
Enrique Garcia
Robert Gusman
Mayra P. Lindsay
James S. Taintor

DATE: April 10, 2012
TO: Honorable Mayor and Members of the Village Council
FROM: John C. Gilbert, Village Manager
RE: Temporary Traffic Calming

Village Manager
John C. Gilbert

RECOMMENDATION

It is recommended that the Village Council direct the Administration to install temporary speed cushions at the following three (3) streets: Glenridge Road from W. Mashta Drive. to W. Heather Drive, Ridgewood Road from W. Mashta Drive to W. Heather Drive and W. Enid Drive from Harbor Drive to Ridgewood Road. These three (3) streets were the highest ranked through engineering studies that were presented in the Traffic Calming Master Plan.

BACKGROUND

On January 24, 2012, the Village Council accepted the Traffic Calming Master Plan. The total cost of all of the improvements was estimated at \$1,010,100. The implementation of the Master Plan will be phased over several years as part of the Five (5) Year Capital Improvement Plan.

Following the presentation, the Council requested staff prepare a recommendation that would permit "temporary" traffic calming installations similar to the four (4) asphalt speed bumps on Greenwood Drive which had a per unit cost of \$3,524.00. Attached is a March 5, 2012 report from C3TS which recommended speed cushions as temporary installations. The speed cushions are preferred over the Greenwood Drive solution because the design is more consistent with traffic calming improvements used throughout the Village.

There will be two (2) locations on each of the three (3) streets. At each location, there will be a speed cushion in each direction. As such, each street will be receiving four (4) speed cushions for a total purchase of 6 pairs. Each pair costs \$4,070. The total cost will be \$24,420. The Capital Improvement Plan allocates \$100,000 to implement the Traffic Calming Master Plan. Should the Council wish to install permanent speed tables, then the speed cushions could be re-located to other streets. This allows the Council to evaluate the effectiveness of traffic calming on each street prior to the expenditure of a significant amount of funds.

TRAFFIC CALMING COST ESTIMATE AND PRIORITY RANKING

LOCATION	TYPE OF IMPROVEMENT	QUANTITY OF IMPROVEMENTS	IS SIDEWALK PRESENT?	TOTAL COST	PRIORITY RANKING
Glenridge Rd. from W. Mashta Dr. to W. Heather Dr.	Intersection bulb outs Speed table	1	No	\$ 120,000	1
		2			
Ridgewood Rd from W. Mashta Dr. to W. Heather Dr.	Intersection bulb outs Speed table	1	No	\$ 120,000	2
		2			
W. Enid Dr. from Harbor Dr. to Ridgewood Rd.	Speed tables	2	No	\$ 70,000	3
Ocean Lane Dr.	Lane narrowing, strip	1	Yes	\$ 350,000	4
Sunrise Dr.	Speed tables	2	Yes	\$ 70,000	5
Galen Dr.	Speed tables	2	Yes	\$ 70,000	6
McIntyre St. from Harbor Dr. to Ridgewood Rd.	Speed tables	2	Yes	\$ 70,000	7
Seaview Dr.	Speed tables	2	Yes	\$ 70,000	8
Woodcrest Rd. from McIntyre St. to W. Heather Dr.	Speed tables	2	Yes	\$ 70,000	9
TOTAL				\$ 1,010,000	



C3TS

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MEMORANDUM

DATE: March 5, 2012

TO: Jud Kurlancheek, AICP
Village of Key Biscayne

FROM: Ramon Castella, P.E

SUBJECT: Interim Traffic Calming Measures

Our recommendation for interim calming measures on Village streets, in place of the speed tables described in our Traffic Calming Master Plan, would be either asphalt speed humps similar to the installations on Greenwood Drive, or speed cushions similar to the installations that the City of Miami Beach has used in many neighborhoods. In either case, each location installation, including materials, signs, striping and labor should be between \$4,000 and \$5,000.



Greenwood Asphalt Speed Humps



Miami Beach Speed Cushions

RC/er