

Kilmarnock Way Proposed Speed Humps

Public Works Department

**City Council
May 20, 2025**

RiversideCA.gov

1

BACKGROUND

1. Neighborhood Traffic Management Program(NTMP) includes the traffic calming tools for various road types.
2. In 2014, use of speed humps were discontinued.
3. On May 2024, the City Council reinstated the use of speed humps as one of the alternatives in the secondary options of the NTMP.
4. Transportation Board recommended approval on 4/2/25.



2

RiversideCA.gov

2

LOCATION MAP

Request for speed humps along Kilmarnock Way between Kelty Drive and Barton Street.



3



RiversideCA.gov

3

STREET VIEW PHOTOS / EXISTING CONDITIONS



East on Kilmarnock Way at intersection with Kelty Drive.

West on Kilmarnock Way at intersection with Barton Street.



RiversideCA.gov

4

SPEED HUMP CRITERIA CHECKLIST

PETITION REQUIREMENTS	DATA	CONFORMANCE		
		YES	NO	COMMENTS
Petition contains: ► Signatures from a minimum of 70% of adjacent residents indicating support for speed hump installation (each parcel represents one vote)	41 of 46	X		89%
QUALIFYING & TRAFFIC DATA CRITERIA ALL 8 MUST BE MET				
1. The street segment must be a local residential street with no more than one lane in each direction	2 Lanes	X		One each way
2. The legal speed limit is 25 MPH	25 MPH	X		Prima Facie
3. Street width may not exceed 40 feet	36 feet	X		
4. Street does not have a vertical grade of 8% or greater	1.60%-2.98%	X		Various grades
5. Street is not a cul-de-sac under 800 feet in length	1,440 feet	X		
6. Minimum average daily traffic volume of 750 vehicles	594 ADT		X	8/15/24 10/29/24
7. Maximum average daily traffic volume of 1,999 vehicles	729 ADT	X		10/29/24
8. Minimum combined 85 th speed of 37 MPH	33 MPH		X	Range 28-33 MPH
SUMMARY – ARE ALL 8 ABOVE CONDITIONS SATISFIED?			X	

Other Conditions (Fire Department, Ward location):	Ward 4 Location	RFD request - Speed Hump Type II (Plan 251)
Collision History Review:	2022-2024	No reported collisions in the past 3 years
Special Circumstances:		Parallel to Alessandro Blvd & cut-through path to retail @ Mission Grove

Traffic Count Data:

*594-729 Average Daily Traffic (ADT)

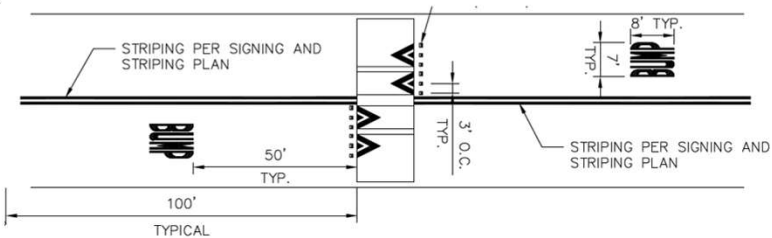
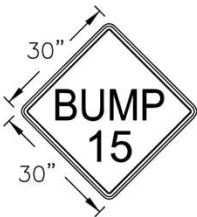
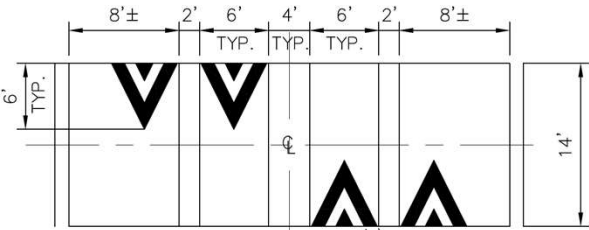
*28-33 Miles Per Hour (MPH) speed survey

5



RiversideCA.gov

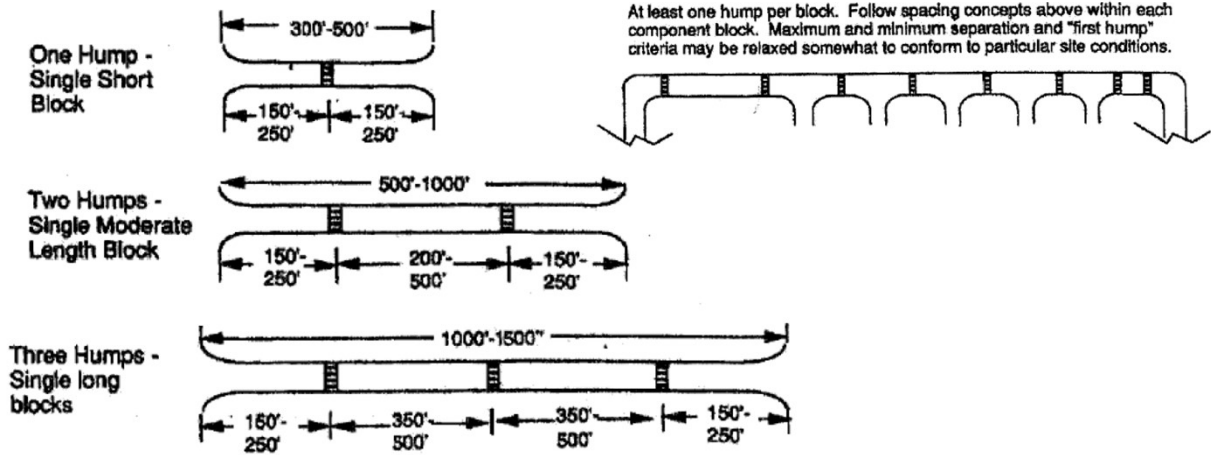
SPEED HUMP (TYPE II) PROPOSED



*Based on Fire Dept request, utilize Speed Hump (Type II) ,

RiversideCA.gov

SPEED HUMP LOCATION DESIGN GUIDE



SOURCE: Institute of Transportation Engineers (ITE) Guidelines for the Design and Application of Speed Humps and Speed Tables Figure 4.10 (2011).

7

RiversideCA.gov

7

PROPOSED SPEED HUMP LOCATIONS



Potential Speed Hump Locations (x3)



Potential Sign Locations (x6)



8

RiversideCA.gov

8

DISADVANTAGES OF SPEED HUMPS

Disadvantages of speed humps include:

- Capital cost (minimum 2 to 4 speed humps per street);
- Tendency to speed in between humps;
- Noise from braking
- Potential delays to emergency vehicle response times (Type II)
- Diversion of traffic



9

RiversideCA.gov

9

ADVANTAGES OF SPEED HUMP INSTALLATIONS

Vehicle Speed Reductions in the range of 5mph-13mph

Countermeasure	Safety Focus	Area	Roadway	Reference	Sites	Speed Limit (mph)	Volume (vpd)		Mean Speed (mph)			85 th %tile Speed (mph)		Change	Period	Location	Notes
							Before	After	Before	After	Change	Before	After				
Vertical Deflections Within the Roadway																	
Speed Hump—rounded, raised area placed across the roadway, typically 12 to 14 feet long	pedestrian	urban	local	1 (1999)	178	—	48 to 11544	46 to 110443	—	—	—	35	27	-8	—	various	
	pedestrian	urban	local	2 (2005)	7	—	400 to 4362	401 to 3384	—	—	—	32	26	-6	—	VA	
	pedestrian	urban	local	3 (2000)	4	—	475 to 1506	433 to 1343	—	—	—	36	31	-5	—	WA	
	pedestrian	urban	local	4 (2005)	1	25	1300	—	22	23	1	37	29	-8	1-mon	FL	
	pedestrian	rural/urban	local	5 (2002)	3	25	218 to 746	—	24	18	-6	28	22	-6	1-mon	IA	
	pedestrian	urban	—	1 (1999)	4	—	—	—	—	—	—	36	29	-7	—	—	with speed table
	pedestrian	urban	—	1 (1999)	2	—	2456 to 3685	2593 to 2931	—	—	—	38	25	-13	—	—	with choker

Source: Federal Highway Administration (FHWA) Engineering Speed Management Countermeasures. 2014.



10

RiversideCA.gov

10

NEIGHBORHOOD TRAFFIC MANAGEMENT PROGRAM

LOCAL STREET (40' width residential, 2 lane, <2,000 volume, 25 mph max. speed limit)

Initial Options:

Informational Brochure Mailed
 Radar Trailer Deployment
 Changeable Message Board Display
 Speed Limit Signs
 Timed Parking Restrictions
 Preferential Parking Zones
 Red Curb
 Targeted Police Department Enforcement
 Parking Enforcement

Secondary Options: (if Initial unsuccessful)

Center line Striping/Raised Reflective Markers
 Curve Warning Signs
 Stops Signs
 Truck Prohibition Signs
 Turn Prohibition Signs
 Street Narrowing by Striping
 Speed Feedback Signs
 Speed Humps
 Street Closures



11

RiversideCA.gov

11

STRATEGIC PLAN ALIGNMENT



Strategic Priority 2 – Community Well-Being

Goal 2.4 – Support programs and innovations that enhance community safety, encourage neighborhood engagement, and build public trust

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



12

RiversideCA.gov

12

RECOMMENDATIONS

That the City Council approve the request for speed humps along Kilmarnock Way between Kelty Drive and Barton Street in support of the Transportation Board's recommendation.



13

RiversideCA.gov