

Memorandum

City of Lawrence

Public Works Department

TO: Transportation Commission
FROM: Amanda Sahin, Transportation Engineer
DATE: Feb 23, 2018
RE: Agenda Item for Transportation Commission 3/5/2018: 2018 Traffic Calming Project List

Background

The 2018 CIP has a line item for Traffic Calming in the amount of \$200,000. Staff has used the current ranked traffic calming list to recommend projects for construction using this budget item. There are also two projects that have not been able to achieve the 70% resident approval as required by the policy and therefore are recommended for removal.

Details

Staff recommends that the following projects be included in the 2018 Traffic Calming project list:

Street	From	To	Est. Cost	Device	Status
Missouri St	8th St	9th St	\$9,000	1 speed hump	Neighborhood has approved (73%)
Arkansas St	8th St	9th St	\$9,000	1 speed hump	Neighborhood has approved (71%)
13th St	Massachusetts St	Haskell Ave	\$100,000	combination of speed humps and islands or channelizing devices	City would facilitate public input through future Transportation Commission meeting
Lincoln St	3rd St	7th St	\$36,000	4 speed humps	Neighborhood has approved (76%)
W 24th St	Crossgate Dr	Kasold Dr	\$45,000	5 speed humps	Neighborhood in process of getting votes

All of the above projects will utilize speed humps except for 13th St. Staff recommends converting 13th Street into a bicycle boulevard from Massachusetts St to Haskell Ave. The design may utilize speed humps and channelizing devices or islands as well as pavement marking and signage to identify it as a bicycle boulevard. Traffic calming on 13th Street from Connecticut St to Haskell Ave was added to the traffic calming list in 2006 but has yet to be completed. With the upcoming project that will add bike lanes to

Massachusetts Street from 11th to 14th this an opportunity address the speeding concerns and improve the bike network at the same time.

As part of the process for selecting the 2018 Traffic Calming Project recommendations staff pursued two other projects but they were not able to achieve the required 70% approval from residents. In accordance with the policy, staff recommends removal of the following projects from the traffic calming list.

Street	From	To	Est. Cost	Device
9th Street	Lawrence Ave	Schwarz Rd	\$27,000	3 speed humps
Rockledge Rd	6th St	9th St	\$18,000	2 speed cushions

The City solicited neighborhood votes for the 9th Street, Lawrence Ave to Crestline Dr traffic calming project. This project was added to the traffic calming list in 2008 and the original requestor has moved away from the area since then. Therefore, in November 2017 the City sent out ballots to 27 residents within 300' of the proposed devices. The ballots were resent to residents who had not responded by January 2018. In total 16 residents responded and 12 of those voted for traffic calming, which is only 44% of total residences. It is important to note that since this project was added to the traffic calming list a marked crosswalk and pedestrian island has been added near Schwarz Rd.

Rockledge Road was added to the traffic calming list in October of 2017. The original requestor solicited votes from the residents within the designated area. A total of 25 ballots were sent out/delivered and 13 were returned which included 8 votes for traffic calming (32%).

Action Request

Recommend approval of the 2018 Traffic Calming Project List and the removal of 9th Street and Rockledge Road from the traffic calming list.

Attachments:

Traffic Calming Project Ranking

City of Lawrence Traffic Calming Project Ranking

RANKING	LOCATION	LIMITS	TC /TSC APPROVAL	CC APPROVAL	SPEED			VOLUME			CRASHES				SIDEWALKS		SCHOOL CROSSINGS		PEDESTRIAN GENERATORS		TOTAL POINTS
					Speed Limit	Speed Measured	Pts	Street Desig.	Volume Measured	Pts	Property Damage	Injury	Fatal	Pts	0-none 1-1 side 2 - 2 side	Pts	# of unprotected	Pts	# of generators	Pts	
1	Missouri Street	8th St to 9th St	7-Mar-16	24-May-16	20	35.3	77	L	570	6	0	0	0	0	2	0	0	0	0	0	82
2	Arkansas Street	8th St to 9th St	2-May-16	19-Jul-16	20	32.9	65	L	395	4	1	0	0	1	2	0	0	0	0	0	70
3	9th Street	Lawrence to Crestline	6-Oct-08	18-Nov-08	30	37.6	38	C	7130	24	2	0	0	2	2	0	0	0	1	5	69
4	13th Street	Connecticut to Haskell	6-Feb-06	7-Mar-06	30	38.2	41	L	2065	21	6	0	0	6	2	0	0	0	0	0	68
5	Lincoln St	3rd St to 7th St	1-Aug-17	7-Aug-17	25	34	45	L	356	4	0	0	0	0	1	5	0	0	1	5	59
6	Rockledge Rd	6th St to 9th St	11-Sep-17	3-Oct-17	30	38.05	40	C	2401	8	0	0	0	0	1	5	0	0	1	5	58
7	24th Street	Kasold to Crossgate	1-Aug-16	1-Nov-16	30	35.2	26	L	1700	17	5	0	0	5	0	10	0	0	0	0	58
8	Kanza Drive	Harvard to Wagstaff	7-Mar-16	24-May-16	30	39.7	49	L	350	4	0	0	0	0	1	5	0	0	0	0	57
9	Forrest Avenue	Barker to Learnard	7-Aug-17	5-Sep-17	20	28	40	L	171	2	0	0	0	0	0	10	0	0	1	5	57
10	Learnard Ave	15th St to 19th St	3-Jul-17	15-Aug-17	30	36.5	33	L	716	7	5	0	0	5	0	10	0	0	0	0	55
11	Harvard	W of Wakarusa	8-Nov-04	15-Feb-05	30	37.3	37	C	1856	6	6	2	0	10	2	0	0	0	0	0	53
12	Atchison Ave	Clinton Pkwy to 26th St	4-May-15	23-Jun-15	30	37.4	37	L	232	2	2	0	0	2	1	5	0	0	0	0	46
13	Crossgate Drive	Clinton Pkwy to Alvarmar	6-Nov-17	6-Sep-11	30	36.1	31	L	855	9	1	0	0	1	1	5	0	0	0	0	45
14	27th Terrace	Louisiana to Missouri	7-May-07	22-May-07	30	34.9	25	L	838	8	0	1	0	2	1	5	0	0	1	5	45
15	Learnard Avenue	19th St to 23rd St	7-Oct-13	19-Nov-13	30	35.25	26	L	700	7	1	0	0	1	0	10	0	0	0	0	44
16	Kensington Road	27th St to 28th St	6-Nov-17	21-Nov-17	30	36	30	C	1790	6	1	1	0	3	2	0	0	0	1	5	44
17	25th Terrace	Kensington to Surrey Dr	2-Aug-10	17-Aug-10	30	34.4	22	L	1369	14	2	0	0	2	1	5	0	0	0	0	43
18	Lyon Street	7th St to 9th St	3-Nov-14	13-Jan-15	30	35	25	C	497	2	1	0	0	1	0	10	0	0	1	5	43
19	Crestline Drive	Peterson to Princeton	7-Mar-16	24-May-16	30	36.8	34	L	290	3	0	0	0	0	1	5	0	0	0	0	42
20	3rd Street	Lyon St to North St	7-Nov-16	17-Jan-17	30	34.4	22	L	500	5	1	1	0	3	0	10	0	0	0	0	40
21	Lake Pointe Drive	Candy Ln to Clinton Pkwy	4-Aug-14	2-Dec-14	30	36	30	L	735	7	1	0	0	1	2	0	0	0	0	0	38
22	New Hampshire Street	19th St to 23rd St	4-May-09	7-Jul-09	30	35.7	29	L	357	4	2	0	0	2	2	0	0	0	0	0	34
23	Bobwhite Drive	Bob Billings to George Williams	7-Feb-05	8-Mar-05	30	35.1	26	C	1000	3	0	0	0	0	1	5	0	0	0	0	34
24	Lawrence Avenue	27th St to 31st St	4-Nov-13	3-Dec-13	30	31.8	9	C	1850	6	3	0	0	3	2	0	0	0	0	0	18

SPEED: 5 points will be assigned for each mile per hour that the 85th percentile speed exceeds the lawful speed limit

VOLUME: 1 point will be assigned for every 100 vehicles per day on local streets; 1 point will be assigned for every 300 vehicles per day on collector streets

CRASHES: 1 point will be assigned for each reported property damage crash along the project corridor during the previous 3 years; 2 points for injury; 5 points for fatal

SIDEWALKS: 5 point will be assigned for there is not a continuous sidewalk along both sides of the project corridor; 10 points if not on either side

SCHOOLS: 10 points will be assigned for each unprotected official school crosswalk that crosses the project corridor

PEDESTRIAN GENERATORS: 5 points will be assigned for each pedestrian generator such as a park, school or recreation center adjacent to the project corridor



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PUBLIC WORKS