



Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: July 5, 2022

Re: Public Hearing for the Smith Drive and Louisville Drive Traffic Calming Project

## Executive Summary

Public Hearing to consider the installation of traffic calming devices on Smith Drive between Scott Boulevard and Louisville Drive, on Louisville Drive between Chapel Hill Road and City Limits, and on Louisville Drive between Smith Drive and City Limits. The estimated cost of the project is \$130,000.

## Discussion

Smith Drive scored as the first highest priority project within the 2019 Neighborhood Traffic Management Program (NTMP), with a score of 85.00 out of a possible 100. Louisville Drive scored as the fifth highest priority project within the 2019 Neighborhood Traffic Management Program (NTMP), with a score of 74.16 out of a possible 100. The scoring system takes a number of factors into consideration including speed, volume, pedestrian generators in the area, proximity to schools, bike routes, and recent crash history. The majority of the scoring (2/3) is based on speed and volume of vehicles. The speed limit on Smith Drive is 30 mph; however this street scored at the 85<sup>th</sup> percentile speed of 45.44 mph and has over 3,500 vehicles traveling on it per day. The speed limit on Louisville Drive is 25 mph; however, this street scored at the 85<sup>th</sup> percentile speed of 38.72 mph, and has over 1,500 vehicles traveling on it per day.

Three Interested Parties (IP) meetings were held for this project. The first IP meeting was held virtually between January 18, 2021 and January 29, 2021. The second IP meeting was held on November 8, 2021. The third IP meeting was held on March 22, 2022.

During the first IP meeting, staff gathered information from the public and listened to potential solutions. The majority of those providing comment were in favor of traffic calming to encourage lower speeds.

Using information gathered at the first IP meeting, preliminary plans were developed and presented during the second IP meeting. The majority of those providing comment and in attendance were supportive of the preliminary plan for Louisville Drive. However, the majority of those in attendance did not support the proposed plan for Smith Drive, but did support calming on Smith Drive. The first preliminary plan for Smith Drive proposed using more horizontal calming devices, such as bulb outs, and median islands. Those in attendance and providing comments at the second IP meeting favored using vertical calming devices over the proposed horizontal calming options that were presented during the meeting.



Based on the feedback received during the second IP meeting, staff redeveloped the preliminary plans for Smith Drive. The redeveloped plans for Smith Drive, and the original preliminary plans for Louisville Drive were presented at a third IP meeting. The majority of those in attendance and providing comments during the third IP meeting comment period were in support of the proposed traffic calming on Louisville Drive and Smith Drive.

Staff would like to proceed with the construction of seven speed tables, seven speed humps, three new marked crosswalks, and centerline and bicycle lane markings on Smith Drive and Louisville Drive during the 2022 construction season.

The calming devices will be located at:

- Speed hump on Louisville Drive near 1802 Labrador Drive
- Speed hump on Louisville Drive near 1705 Bromley Circle
- Speed hump on Louisville Drive near 1206 Louisville Drive
- Speed hump on Louisville Drive near Louisville Park Pond
- Speed hump on Louisville Drive near Louisville Park Entrance
- Speed hump on Smith Drive near 602 Medford Drive
- Speed hump on Smith Drive near 4708 Castlewood Court
- Speed table on Louisville Drive at Tiptree Court
- Speed table on Louisville Drive at Labrador Drive
- Speed table on Louisville Drive at Rainbow Trout Circle
- Speed table on Louisville Drive at Rainbow Trout Drive
- Speed table on Smith Drive at Louisville Drive
- Speed table on Smith Drive at Somerset Drive
- Speed table on Smith Drive at Stone Valley Parkway
- Crosswalk with bulbout islands on Louisville Drive north of Whitefish Drive
- Crosswalk with rectangular rapid-flashing beacons on Smith Drive near Louisville Drive
- Crosswalk with pedestrian refuge median island and rectangular rapid-flashing beacons on Smith Drive at Dayspring Drive.

## Fiscal Impact

**Short-Term Impact:** The estimated cost for the installation of a series of seven speed tables, seven speed humps, and three marked crosswalks on Louisville Drive and Smith Drive, including signs and markings, is \$130,000 paid from Annual Traffic Calming Funds.

**Long-Term Impact:** Staff anticipates the replacement of the traffic calming devices every 15 years.



## Strategic & Comprehensive Plan Impact

### [Strategic Plan Impacts:](#)

Primary Impact: Safe Neighborhoods, Secondary Impact: Secondary, Tertiary Impact: Tertiary

### [Comprehensive Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

## Legislative History

Date	Action
06/06/2022	R82-22 Amending and restating Resolution No. 54-22 setting a public hearing to correctly identify the location of proposed traffic calming devices to include Smith Drive between Scott Boulevard and Louisville Drive, as well as on Louisville Drive between Chapel Hill Road and the geographic boundary of the Columbia city limits, and on Louisville Drive between Smith Drive and the geographic boundary of the Columbia city limits.
05/02/2022	R54-22 Setting a public hearing: proposed installation of traffic calming devices on Louisville Drive between Chapel Hill Road and the geographic boundary of the Columbia city limits, and on Louisville Drive between Smith Drive and the geographic boundary of the Columbia city limits.
03/22/2022	IP Meeting Held
02/21/2022	R24-22- Accepting the Neighborhood Traffic Management Program 2021 Year End Report Summary; authorizing the installation of traffic calming devices on Bray Avenue; authorizing staff to complete the public improvement process for the proposed installation of traffic calming devices on Smith Drive, Louisville Drive, Proctor Drive, Audubon Drive, Shepard Boulevard, Ridgefield Road, Ridgemont and Highridge Drive; authorizing staff to pursue traffic calming projects on Garth Avenue, Manor Drive, Russell Boulevard and Northland Drive.
11/08/2021	IP Meeting Held
02/15/2021	R29-21- Accepting the Neighborhood Traffic Management Program 2020 Year End Report Summary; authorizing staff to complete the public improvement process for the proposed



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701 East Broadway, Columbia, Missouri 65201

	installation of traffic calming devices on William Street, Hinkson Avenue, Smith Drive, Louisville Drive, Bray Avenue, and Maplewood Drive; authorizing staff to pursue traffic calming projects on Shepard Boulevard, Audubon Drive, Proctor Drive, Ridgfield Road, and Ridgemont and Highridge Drive.
01/18/2021 – 01/29/2021	IP Meeting Held
02/17/2020	R29-20- Accepting the Neighborhood Traffic Management Program 2019 Year End Report Summary; authorizing staff to complete the public improvement process for the proposed installation of traffic calming devices on Smith Drive, North William Street, Hinkson Avenue and Holly Avenue; authorizing staff to pursue traffic calming projects on Bray Avenue, Louisville Drive and Maplewood Drive.
01/22/2019	R13-19- Accepting the Neighborhood Traffic Management Program 2018 Year End Report Summary; authorizing staff to complete the public improvement process for the proposed installation of traffic calming devices on William Street, Primrose Drive and Rain Forest Parkway; authorizing staff to pursue traffic calming projects on Smith Drive, North William Street, Hinkson Avenue and Holly Avenue.

## Suggested Council Action

Approve the installation of traffic calming devices on Smith Drive between Scott Boulevard and Louisville Drive, on Louisville Drive between Chapel Hill Road and City Limits, and on Louisville Drive between Smith Drive and City Limits.