



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: December 19, 2022

Re: Public Hearing to consider the installation of traffic calming devices for the Ridgemont, Highridge Drive, and Ridgefield Road Traffic Calming Project

Executive Summary

Public hearing to consider the installation of traffic calming devices on Ridgemont between Overhill Road and Highridge Circle, on Highridge Drive between Ridgemont and Mills Drive, and on Ridgefield Road between Hulen Drive and its eastern terminus. The estimated cost of the project is \$80,000.

Discussion

Highridge Drive and Ridgemont scored as the tenth highest priority project within the 2020 Neighborhood Traffic Management Program (NTMP), with a score of 69.78 out of a possible 100. Ridgefield Road scored as the ninth highest priority project within the 2020 Neighborhood Traffic Management Program (NTMP), with a score of 73.00 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 Highridge Drive and Ridgemont is 25 mph; however these streets scored at the 85th percentile speed of 37.37 mph and have over 1,400 vehicles traveling on them per day. The speed limit on Ridgefield Road is 25 mph; however, this street scored at the 85th percentile speed of 41.79 mph, and has over 380 vehicles traveling on it per day.

Two Interested Parties (IP) meetings were held for this project. The first IP meeting was held on December 1, 2021. The second IP meeting was held on September 15, 2022.

During the first IP meeting, staff gathered information from the public and listened to potential solutions. The majority of those in attendance and 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. Those providing comment and in attendance were generally supportive of the proposed plan for traffic calming.

Following the second IP meeting, crosswalk improvements at Ridgemont and College Park Drive were added to the preliminary plan based on the feedback received at the meeting. These improvements include reconstruction of the north sidewalk ramp, and the installation of a bulb-out island on the south side. These improvements will reduce the pedestrian exposure from approximately 40 feet to approximately 25 feet.



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Staff would like to proceed with the construction of 15 speed humps, one speed table, and crosswalk improvements on Ridgemont, Highridge Drive, and Ridgefield Road, and lane striping on the Ridgemont bridge for two 10-foot lanes during the 2023 construction season.

The calming devices will be located at the following locations:

- Speed hump on Ridgemont near 2314 Ridgemont
- Speed hump on Ridgemont near 2214 Ridgemont
- Speed hump on Ridgemont near 2106 Ridgemont
- Speed hump on Ridgemont near 1907 Ridgemont
- Speed hump on Ridgemont near 1807 Ridgemont
- Speed hump on Highridge Drive near 1814 Highridge Drive
- Speed hump on Highridge Drive near 1721 Highridge Drive
- Speed hump on Highridge Drive near 1703 Highridge Drive
- Speed hump on Highridge Drive near 1607 Highridge Drive
- Speed hump on Ridgefield Road near 2623 Ridgefield Road
- Speed hump on Ridgefield Road near 2613 Ridgefield Road
- Speed hump on Ridgefield Road near 2516 Ridgefield Road
- Speed hump on Ridgefield Road near 2500 Ridgefield Road
- Speed hump on Ridgefield Road near 2409 Ridgefield Road
- Speed hump on Ridgefield Road near 2311 Ridgefield Road
- Speed table on Ridgemont at Coachlamp Court
- Crosswalk improvements on Ridgemont at College Park Drive
- Lane striping on the Ridgemont bridge for two 10 foot lanes

Fiscal Impact

Short-Term Impact: The estimated cost for the installation of a series of 15 speed humps, one speed table, and crosswalk improvements on Ridgemont, Highridge Drive, and Ridgefield Road, including signs and markings, and striping the Ridgemont bridge for two 10 foot lanes is \$80,000 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



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Legislative History

Date	Action
11/21/2022	R177-22 Setting a public hearing: proposed installation of traffic calming devices on Ridgemont between Overhill Road and Highridge Circle, Highridge Drive between Ridgemont and Mills Drive, and Ridgefield Road between Hulen Drive and its eastern terminus.
09/15/2022	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.
01/18/2022	PH4-22 Proposed removal and construction of a replacement bridge on Ridgemont Road over the County House Branch.
12/01/2021	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 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, Ridgefield Road, and Ridgemont and Highridge Drive.

Suggested Council Action

Approve the installation of traffic calming devices on Ridgemont between Overhill Road and Highridge Circle, on Highridge Drive between Ridgemont and Mills Drive, and on Ridgefield Road between Hulen Drive and its eastern terminus.