

City of Columbia

701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: R 218-14

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: December 1, 2014

Re: Derby Ridge Drive Traffic Calming Project

Documents Included With This Agenda Item

Council Memo, Resolution/Ordinance

Supporting documentation includes: Maps, Sign-in Sheets, Public Comment Forms

Executive Summary

Setting a public hearing for January 5, 2015 to consider the installation of speed humps on Derby Ridge Drive, between Smiley Lane and Brown School Road, and between Blue Ridge Road and Smiley Lane. The estimated cost of this project is \$32,000.

Discussion

Derby Ridge Drive scored as the highest priority project within the Neighborhood Traffic Management Program (NTMP), with a score of 88 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 accident history. The majority of the scoring ($\frac{2}{3}$) is based on speed and volume of vehicles. The speed limit on Derby Ridge is set at 25 mph; however, this street scored at the 85th percentile speed of 39.65 mph, and has over 2,400 vehicles traveling on it per day.

Interested Parties (IP) meetings were held at the Derby Ridge elementary school on August 5th and again on September 29th. During the first meeting, staff gathered information from the public and listened to potential solutions. The overwhelming majority of those in attendance recommended, and were in favor of, placing speed humps on Derby Ridge Drive to encourage lower speeds. Using the information gathered at the August 5th IP meeting, and taking into account that Derby Ridge is over 1.25 miles in length, two plans were developed and presented at the September 29th IP meeting.

Plan 1 (North Option) included construction of four speed humps on Derby Ridge Drive between Smiley Lane and Brown School Road.

Plan 2 (South Option) included construction of four speed humps on Derby Ridge Drive between Blue Ridge Road and Smiley Lane. With this plan there were two options identified. Option A with four speed humps placed closer to Smiley Lane, and Option B with four speed humps placed closer to Blue Ridge Road.

Individuals attending the September 29th IP meeting favored both Plan 1, and Plan 2 with Option B. Staff proposes to construct a total of eight speed humps on Derby Ridge Drive with four speed humps

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located between Smiley Lane and Brown School Road, and four additional speed humps located between Blue Ridge Road and Smiley Lane. Diagrams showing the locations of the speed humps are attached. Construction of the speed humps is expected sometime in 2015.

Fiscal Impact

Short-Term Impact: The estimated cost for installation of eight speed humps is \$32,000, and will be paid from Street division's traffic safety account.

Long-Term Impact: Staff anticipates the replacement of the speed humps every 15 years.

Vision, Strategic & Comprehensive Plan Impact

Vision Impact: Transportation

Strategic Plan Impact: Infrastructure

Comprehensive Plan Impact: Infrastructure

Suggested Council Action

After public input and council discussion at the public hearing, Council should authorize staff to move forward with the construction of speed humps on Derby Ridge Drive, between Smiley Lane and Brown School Road, and between Blue Ridge Road and Smiley Lane.

Legislative History

8/05/14 - IP Meeting

9/29/14 - IP Meeting



Department Approved



City Manager Approved

Introduced by _____ Council Bill No. R 218-14

A RESOLUTION

declaring the necessity for construction of traffic calming speed humps along Derby Ridge Drive, between Smiley Lane and Brown School Road and between Blue Ridge Road and Smiley Lane; stating the nature of and the estimate of the cost of the improvement; providing for payment for the improvement; providing for compliance with the prevailing wage law; and setting a public hearing.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Council deems the construction of four traffic calming speed humps along Derby Ridge Drive between Smiley Lane and Brown School Road, and four traffic calming speed humps along Derby Ridge Drive between Blue Ridge Road and Smiley Lane, all in accordance with City of Columbia Specifications and Standards, necessary to the welfare and improvement of the City.

SECTION 2. The nature and scope of the improvement shall consist of furnishing all labor, materials, transportation, insurance and all other items, accessories and incidentals thereto necessary for the complete construction of the improvements.

SECTION 3. The estimated cost of this improvement is \$32,000.00.

SECTION 4. Payment for this improvement shall be made from transportation sales tax funds and such other funds as may be lawfully appropriated.

SECTION 5. Any work done in connection with the construction of the improvement specified above shall be in compliance with the provisions of the prevailing wage laws of the State of Missouri.

SECTION 6. A public hearing in respect to this improvement will be held in the Council Chamber of the City Hall Building, 701 E. Broadway, Columbia, Missouri, at 7:00 p.m. on January 5, 2015. The City Clerk shall cause notice of this hearing to be published in a newspaper published in the City.

ADOPTED this _____ day of _____, 2014.

ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

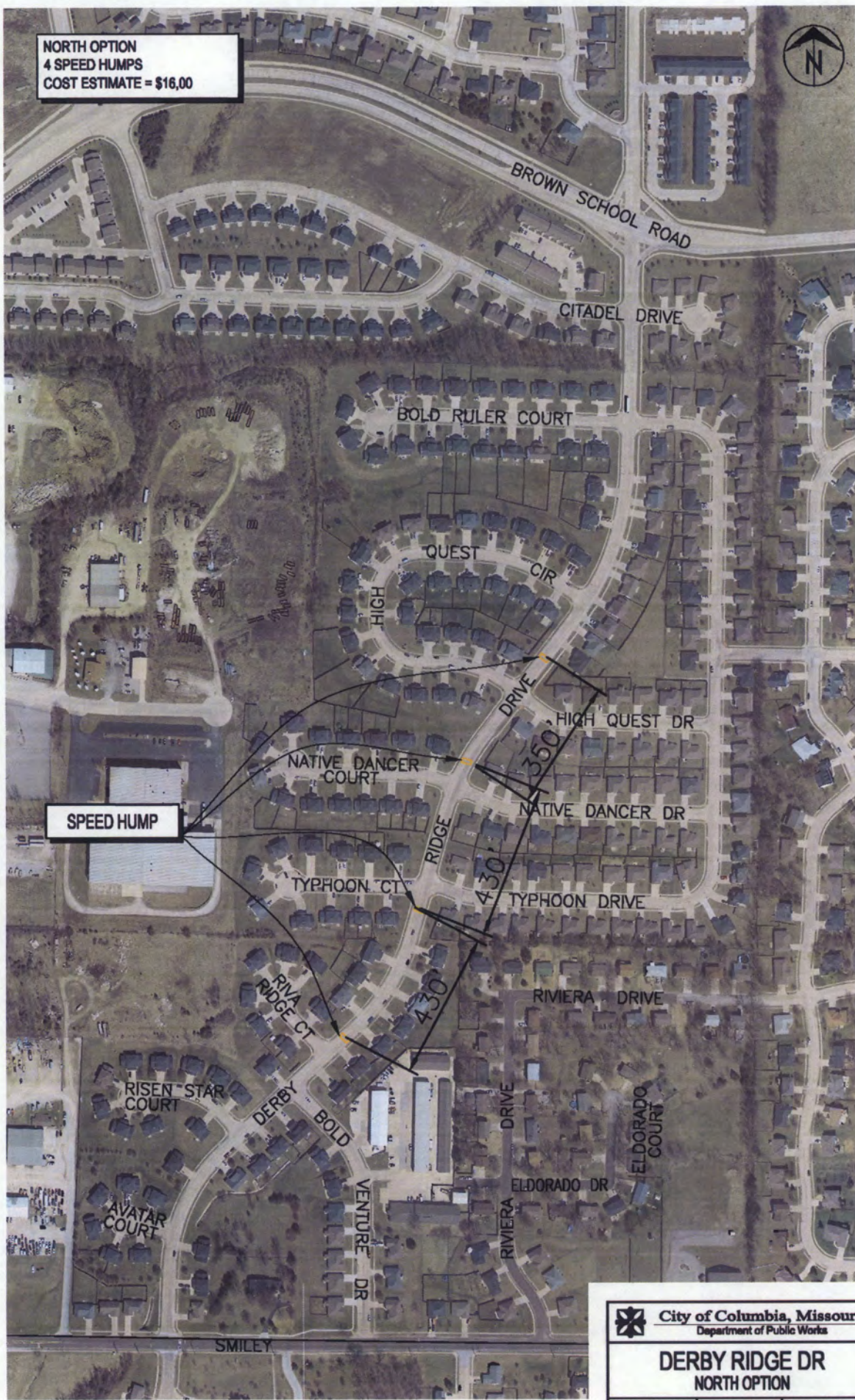
City Counselor



SUPPORTING DOCUMENTS INCLUDED WITH THIS AGENDA ITEM ARE AS FOLLOWS:

Maps, Sign-in Sheets, Public Comment Forms

NORTH OPTION
4 SPEED HUMPS
COST ESTIMATE = \$16,00



SOUTH OPTION A
4 SPEED HUMPS
COST ESTIMATE = \$16,00



SPEED HUMP

OMAHA COURT

SMILEY

SIR BARTON DRIVE

WHIRLWAY CT

365

COUNT FLEET

395

DRIVE

SEATTLE SLEW

490

LOOK OUT CT

WAR ADMIRAL DRIVE

MAN O WAR DR

DERBY

BLUE RIDGE ROAD



City of Columbia, Missouri
Department of Public Works

DERBY RIDGE DR
SOUTH OPTION A

Scale: 1" = 250' Dwn: W.L.W Date: 11/13/2014

SOUTH OPTION B
4 SPEED HUMPS
COST ESTIMATE = \$16,00



SPEED HUMP

OMAHA COURT

SMILEY

SIR BARTON DRIVE

WHIRLWAY CT

COUNT FLEET CT

DRIVE

395

SEATTLE SLEW

490

LOOK OUT CT

WAR ADMIRAL DRIVE

MAN O WAR DR

DERBY

BLUE RIDGE ROAD



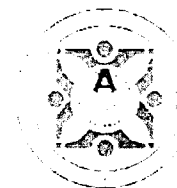
City of Columbia, Missouri
Department of Public Works

DERBY RIDGE DR
SOUTH OPTION B

Scale: 1" = 250' Dwn: W.L.W Date: 11/13/2014

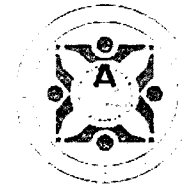
Derby Ridge Interested Parties Sign in Sheet

Meeting Date: August 5th 2014



Name	Property Address	Phone #	E-mail Address
Donald Baker	4105 Derby Ridge Dr.	[REDACTED]	[REDACTED]
Susan England	3808 Derby Ridge	[REDACTED]	[REDACTED]
Shane Winter	1701 High Quest Dr.	[REDACTED]	[REDACTED]
Carmen Buis	4407 Derby Ridge	[REDACTED]	[REDACTED]
KRISTEN DEKEN	1703 Typhoon Dr.	[REDACTED]	[REDACTED]
Kimberly Henze	3603 Triple Crown Dr.	[REDACTED]	[REDACTED]
Janie Mills	4314 Derby Ridge Dr.	[REDACTED]	[REDACTED]
Dewey Jones	1310 War Admiral Dr.	[REDACTED]	[REDACTED]
Glenda McHargley	4103 Derby Ridge	[REDACTED]	[REDACTED]
Tyler Rawlings	3417 Derby Ridge	[REDACTED]	[REDACTED]
Andrew Wyatt	1301 War Admiral Dr.	[REDACTED]	[REDACTED]
Dennis + Janne Bandkamp	3401 DERBY Ridge	[REDACTED]	[REDACTED]

Derby Ridge Interested Parties Sign in Sheet



Meeting Date: September 30th 2014

Name	Property Address	Phone #	E-mail Address
Soren Tuggle	1526 Typhoon Ct	[REDACTED]	[REDACTED]
Deanna Leimbach	1607 Native Dance Dr	[REDACTED]	[REDACTED]
Sharon Jones	1310 War Admiral Dr	[REDACTED]	[REDACTED]
Ronald Baker	405 Derby Ridge Dr	[REDACTED]	[REDACTED]
Michael Trapp	10 E Leslie Ln	[REDACTED]	[REDACTED]
Shane Winter	1701 High Quest Dr	[REDACTED]	[REDACTED]
Kimberly Henze	3603 Triple Crown Dr	[REDACTED]	[REDACTED]

Public Comment Form

Derby Ridge Traffic Calming

We would appreciate hearing your thoughts about this project. You may make comments on this form and leave it with City staff at today's meeting; or take it home to fill out. Please write legibly, include your complete mailing address, and sign your comment form.

Comment forms can be mailed to: **Lee White P.E.**
Public Works Department
City of Columbia
PO Box 6015
Columbia, MO 65205

Comments may also be faxed to.... **(573) 449-9641**
or forwarded via E-mail to... **pubw@GoColumbiaMO.com**
(please include "Derby Ridge Traffic Calming" in the subject line and provide your name and complete mailing address)

- ☒ I support traffic calming being installed on Derby Ridge
☐ Traffic Calming wouldn't bother me if it were implemented
☐ I do NOT support traffic calming being installed on Derby Ridge

We are accepting comments until August 29, 2014. Thank you for your input!

Comments: Need to slow people coming south bound
Derby Ridge at intersection with War Admiral

Have issue with people coming up War Admiral
from Kenmore Ridge and parking on side of
street

There is more space on the back of this form.

Signature: Andrew Wyatt

Name

Andrew Wyatt

E-mail

[Redacted]

Mailing Address

1301 War Admiral Dr

City

State

Zip

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We are accepting comments until August 29, 2014. Thank you for your input!

Comments:

Need 4 way stop signs at
War Admiral & Derby
Also need speed bumps

There is more space on the back of this form.

Signature:

Phyllis T. Palmer

Name

E-mail

Mailing Address

City

State

Zip

3414 Derby Ridge

65202

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Comments:

I like the idea of speed humps and we need more police!! Big groups of kids hanging out late at night.

There is more space on the back of this form.

Signature:

Janie Mills
Janie Mills

Name

E-mail

~~Janie.Mills59@yahoo.com~~

4314 Derby Ridge Dr.

Mailing Address

Columbia

City

mo

State

65202

Zip

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☐ Traffic Calming wouldn't bother me if it were implemented
☐ I do NOT support traffic calming being installed on Derby Ridge

We are accepting comments until August 29, 2014. Thank you for your input!

Comments: I would absolutely support putting speed humps along Derby Ridge. They should be installed after every major ~~str~~ street off of Derby Ridge, both sides of Smiley. The speeds are far too fast on Derby for the amounts of children that play there. An extra stop sign on Derby with two speed bumps ~~and~~ on either side would also be a great idea. An example would be the stop on Smiley and Derby then two speed bumps along Derby, stop sign in the middle of Derby then two more speed bumps then the last stop sign on Derby Ridge and Brown School.

There is more space on the back of this form.

Signature:

Name

KRISTEN DEKEN

E-mail

kristen.deken@cityofcolumbia.com

Mailing Address

1703 Typhoon Dr.

City

Columbia

State

MO 65202

Zip

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☐ I do NOT support traffic calming being installed on Derby Ridge

We are accepting comments until August 29, 2014. Thank you for your input!

Comments:

I think 4-5 speed bumps should be put between Blue Ridge and Smiley Lane and 4-5 speed bumps between Smiley and Brown School. Use 25 mph speed bumps. I would also volunteer for neighbor speed watch.

There is more space on the back of this form.

Signature: Donald D Baker

Donald D. Baker

Name

E-mail

4105 Derby Ridge Dr

Columbia

MO

65202

Mailing Address

City

State

Zip

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☐ I do NOT support traffic calming being installed on Derby Ridge

We are accepting comments until August 29, 2014. Thank you for your input!

Comments:

I recommend that speed humps be put in on Derby Ridge between Blue Ridge & Brown School. I believe that these humps will help to slow down the traffic that speeds through Derby Ridge.

~~High Street Dr~~ → Brown School seems to have a lot of fast veh. cler.

4 speed bumps north of Smiley + 4 south of Smiley.

There is more space on the back of this form.

Signature:

Shawn White

Name

~~shawn.white@cityofcolumbia.com~~

E-mail

1701 H. gh Quert Dr.

Mailing Address

Columbia

City

mo

State

65202-

Zip 5605

Lee White

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☐ Traffic Calming wouldn't bother me if it were implemented
☐ I do NOT support traffic calming being installed on Derby Ridge

We are accepting comments until August 29, 2014. Thank you for your input!

Comments:

(4103 Derby Ridge) ^{speed} traffic hump
~~What~~ OK to put in front of house.
Thank you!

There is more space on the back of this form.

Signature:

Glenda McGaughey
4103 Derby Ridge

Name

Mailing Address

E-mail

City

State

Zip

CO MO 65202

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- ☒ I support traffic calming being installed on Derby Ridge
☐ Traffic Calming wouldn't bother me if it were implemented
☐ I do NOT support traffic calming being installed on Derby Ridge

We are accepting comments until August 29, 2014. Thank you for your input!

Comments: *would like speed bumps installed on Derby Ridge & incorporate speed-table at Blue Ridge and Derby Ridge to deter speeding around corner and up Derby Ridge.*

There is more space on the back of this form.

Signature: *Dennis & Joanne Brandkamp*

Name *DENNIS & Joanne BRANDKAMP*

E-mail *[REDACTED]*

Mailing Address

3401 Derby Ridge **City** *Col.* **State** *MO* **Zip** *65202*

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- ☐ South Option A
☒ South Option B
☐ I do NOT support traffic calming being installed on Derby Ridge

We are accepting comments until October 17, 2014. Thank you for your input!

Comments: Need a stop sign also at War Admiral.

There is more space on the back of this form.

Signature: Sharon Jones

Name

E-mail

1310 War Admiral Dr Columbia, Mo 65202
Mailing Address City State Zip

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(please include "Derby Ridge Traffic Calming" in the subject line and provide your name and complete mailing address)

- ☐ South Option A
☐ South Option B
☐ I do NOT support traffic calming being installed on Derby Ridge

We are accepting comments until October 17, 2014. Thank you for your input!

Comments: *Love the speed bumps proposed for North Solution. We also need police presence, when possible. Next thing would be noise. Not just on Derby Ridge which is BAD, but all over town. Stereo blasting. Their BASS is ridiculous. Police need to start ticketing drivers. Why do buses have to stop at every corner? This backs up traffic and uses gas.*

There is more space on the back of this form.

Signature: *Karen Tuggle*

Karen Tuggle
Name

[Redacted]
E-mail

1520 Typhoon Ct
Mailing Address

Columbia
City

Mo *65202*
State Zip

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- ☐ South Option A
☐ South Option B
☐ I do NOT support traffic calming being installed on Derby Ridge

We are accepting comments until October 17, 2014. Thank you for your input!

Comments:

I like South option B because of safety concerns at intersection of War Admiral Drive & Derby Ridge. However I also like South option A because speed bumps are a little farther North and closer to School.

There is more space on the back of this form.

Signature:

Donald D Baker

Donald D Baker

Name

E-mail

4105 Derby Ridge Dr

Columbia

MO 65202

Mailing Address

City

State

Zip