

# III.C.



**DATE:** November 21, 2013

**TO:** Michael G. Herring, ICMA-CM  
City Administrator

**FROM:** James A. Eckrich, P.E. *JAE*  
Public Works Director / City Engineer

**RE:** Missouri Route 141 Speed Limit

The City of Chesterfield recently received a letter from the Missouri Department of Transportation (MODOT) requesting that the speed limit of Missouri Route 141 from Brooking Park Drive (the St. Luke's entrance) to the northern Chesterfield City Limits be increased from 50 to 55 miles per hour (mph). The request is the result of a speed study on Missouri Route 141 conducted by MODOT which analyzed traffic patterns, the number of driveways, accident rates, traffic control devices, pedestrian traffic, parking and speed data. The study indicates that this section of roadway qualifies for an increased speed limit from 50 to 55 mph.

It is important that appropriate speed limits are established and enforced. Speed limits should be set using engineering judgment and consideration of the following:

- Road surface characteristics, shoulders, grade, alignment, and sight distance;
- The 85<sup>th</sup> percentile speed;
- Roadside development and culture as well as roadside friction;
- Safe speed for curve or hazardous locations within the area;
- Parking practices and pedestrian activities; and
- Reported crash experience for a recent twelve month period.

MODOT engineers have taken each of these factors into account and have determined that the speed limit should be increased. Accordingly, I recommend that City Council consider approval of the increased speed limit of this section of Missouri Route 141 from 50 to 55 mph.

When reviewing this matter Staff discovered that the Schedule II was never updated when Missouri Route 141 was improved and the speed limit was posted at 50 mph. Therefore, the attached ordinance also codifies the current posted speed limit of 50 mph from Brooking Park Drive to the southern Chesterfield City Limits. Additionally Woods Mill Road has been moved from Schedule II (State Highways) to Schedule III (Highways, Roads, or Streets) with the posted speed limit.

### Action Recommended

This matter should be forwarded to the Planning and Public Works Committee for its consideration of approval of the recommended speed limit on Missouri Route 141. If the Committee recommends approval, the attached ordinances should be forwarded to City Council.

Cc: Michael O. Geisel, Director of Public Services

*✓ MGH*  
*11/23/13*

BILL NO. \_\_\_\_\_

ORDINANCE NO. \_\_\_\_\_

**AN ORDINANCE AMENDING ORDINANCE NUMBER 35, SCHEDULE II OF THE ORDINANCES OF THE CITY OF CHESTERFIELD BY ESTABLISHING SPEED LIMITS ON MISSOURI STATE ROUTE 141.**

WHEREAS, the Missouri Department of Transportation has conducted a speed study and recommends a 55 miles per hour posted speed limit on a portion of Missouri Route 141 within the City limits of Chesterfield,

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

Section 1. Ordinance Number 35, Schedule II, Speed Limits on State Highways, is hereby amended by replacing existing speed limit provisions for Missouri Route 141, formerly Woods Mill Road, with provisions as follows:

<u>Location</u>	<u>Speed Limit</u>
Missouri Route 141 from Brooking Park Drive (St. Luke's Entrance) to the northern Chesterfield City Limits	55 mph
Missouri Route 141 from Brooking Park Drive (St. Luke's Entrance) to the southern Chesterfield City Limits	50 mph

Section 2. If any section, paragraph, clause or provision of this Ordinance shall be declared by a court of competent jurisdiction to be invalid, such decision shall not affect the validity of this Ordinance as a whole or any other section or part thereof.

Section 3. This Ordinance shall be in full force and effect from and after its passage and approval.

Passed and approved this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

[FIRST READING HELD: \_\_\_\_\_ ]

BILL NO. \_\_\_\_\_

ORDINANCE NO. \_\_\_\_\_

**AN ORDINANCE AMENDING ORDINANCE NUMBER 35, SCHEDULE III OF THE ORDINANCES OF THE CITY OF CHESTERFIELD BY ESTABLISHING SPECIAL SPEED LIMITS ON SOUTH WOODS MILL ROAD AND NORTH WOODS MILL ROAD.**

WHEREAS, it is desirable to have a uniform speed limit on the entire length of roadway that is consistent with the nature of traffic and geometrics of the roadway; and

WHEREAS, the speed limit on streets in Chesterfield is 25 mph except as provided for by ordinance;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

Section 1. Ordinance Number 35, Section 3, Schedule III, Special Speed Limits on Highways, Roads or Streets, is hereby amended by adding provisions thereto as follows:

<u>Location</u>	<u>Speed Limit</u>
South Woods Mill Road from the southern Chesterfield City Limits to Brooking Park Drive	35 mph
South Woods Mill Road from Brooking Park Drive to Ladue Road	40 mph
North Woods Mill Road from the Ladue Road to Olive Boulevard	40 mph

Section 2. If any section, paragraph, clause, or provision of this Ordinance shall be declared by a court of competent jurisdiction to be invalid, such decision shall not affect the validity of this Ordinance as a whole or any other section or part thereof.

Section 3. This ordinance shall be in full force and effect from and after its passage and approval.

Passed and approved this day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

[FIRST READING HELD: \_\_\_\_\_ ]

Missouri Department of Transportation

1590 Woodlake Drive  
Chesterfield, Missouri 63017-5712  
314.275.1500  
Fax: 573.522.6475  
1.888.ASK MODOT (275.6636)

November 12, 2013

James A. Eckrich, P.E.  
Public Works Director/City Engineer  
City of Chesterfield  
690 Chesterfield Pkwy W  
Chesterfield, Missouri 63017



Dear Mr. Eckrich,

The Missouri Department of Transportation (MoDOT) has reviewed the speed limit of MO 141 from Woods Mill Rd/Ladue Farm Rd to the northern Chesterfield City Limit in the City of Chesterfield which is currently 50 mph. The study took into account the number of driveways, accident rate, traffic control devices, pedestrian traffic, parking, and prevailing speed data. The section of MO 141 within the city limits of Chesterfield qualifies for an increased speed limit of 55 mph. MoDOT would like to request that the City of Chesterfield modify the speed limit ordinance to reflect the results of the study.

Once passed please send a copy of the ordinance. The speed limit signs will then be updated.

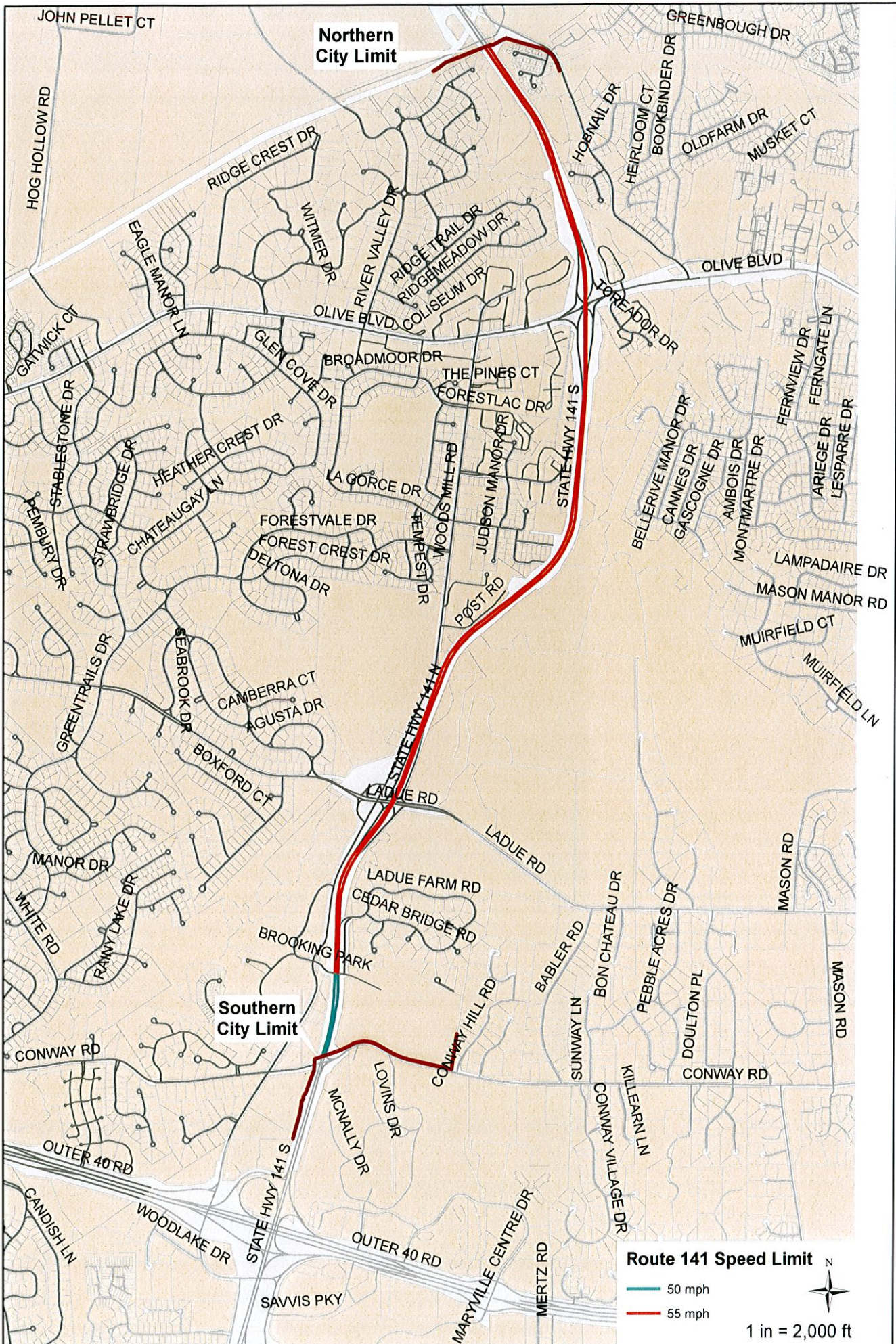
If you have any questions regarding this request or the speed study please contact me at 314-565-4254.

Sincerely,

A handwritten signature in black ink, appearing to read "Amanda L. Rich".

Amanda L. Rich, E.I.  
Intermediate Traffic Studies Specialist  
North St. Louis Area Traffic Engineer





Northern City Limit

Southern City Limit

**Route 141 Speed Limit**

- 50 mph
- 55 mph



1 in = 2,000 ft