

# Meadows Place Pre-Construction Checklist

As part of the decision making process on Kirkwood, we are looking for a design that will:

## ✓ **Be the safest solution**

Roundabouts reduce crashes by 35% and reduce injuries by 76%. Two lane Roundabouts have also proven safer for pedestrians, bicycles and older drivers.

See <http://safety.fhwa.dot.gov/intersection/roundabouts/fhwas08006>

## ✓ **Lessen Congestion**

Roundabouts will increase traffic capacity by 30 to 50% and reduce stops by up to 95%. Our four lanes are like a pipeline that has four valves that have to be opened and closed every time it's used while the Roundabouts are like a pipeline that flows unimpeded. Two unblocked lines flow much more freely than four that stop cars 48,000 times a day.

See <http://www.co.clackamas.or.us/citizennews/200707/e.htm>

## ✓ **Reduce Pollution**

Roundabouts reduce fuel consumption and air pollution at intersections 20 to 30% by reducing speeds and eliminating the need for stops and starts. They are esthetically pleasing and add green space. This is becoming an increasingly important mobility criteria.

<http://www.designsforamerica.org/index.php/energy-conservation/roundabouts-cut-gas-pollution-30.html>

## ✓ **Help make us Unique**

The early design calls for doubling the green space on Kirkwood and make it apparent that we are not Houston. It will allow us to put in pathways, landscaping and low sweeping berms that will break the contrast and beautify the City. It will also allow us to plant twice as many trees and add decorative accents to the center of the Roundabouts.

Realtors confirm this will add value to our community and prop up our property values..

## ✓ **Reduce Noise**

“Engineers say they are safer, *quieter*, more environmentally friendly.” Roundabouts are quieter because traffic flow is improved, squealing brakes and jackrabbit starts are eliminated and speed is reduced.

See : [http://www.usatoday.com/news/nation/2010-06-23-roundabouts\\_N.htm](http://www.usatoday.com/news/nation/2010-06-23-roundabouts_N.htm)

## ✓ **Cost Less**

Early Cost estimates for Meadows Place Roundabouts indicate construction costs about the same as replacing it the way it is but, Engineering costs will be significantly less with Roundabouts than going back with our current four lane four stop sign design. Kirkwood is funded by the Fort Bend Mobility Bond which means it is our tax money coming back to Meadows Place rather than going to Stafford, Sugar Land or Katy.