



kcICON Quarterly Project Newsletter

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What's New

What do you do with a SPUI?

Single point urban interchanges (SPUIs) link a major thoroughfare with a freeway or interstate. At the SPUI being constructed at I-29/35 at Front Street, the interstate traffic will run above, while Front Street traffic runs below. The name "Single Point" refers to an interchange where all traffic flows through a single intersection.

The single point urban interchange sequence:

- The first cycle is for through traffic on the arterial street; this is the traffic that is not turning.
- Cycle two is for traffic leaving the freeway and turning left onto the arterial street.
- Cycle three is for traffic leaving the arterial street and turning left onto the freeway.

Single point urban interchanges (SPUIs) help move large volumes of traffic through limited amounts of space safely and efficiently. These interchanges help maximize the flow of traffic where streams of traffic merge or separate. The single point urban interchange manages traffic effectively. This type of interchange is being used extensively in both reconstruction and new construction of

interstates. This simple design makes the most of safety, capacity and efficiency.

The SPUI at I-29/35 and Front Street is currently scheduled to open to mainline interstate travel (and off the temporary ramps) in mid-August. The Front Street and I-29/35 interchange work will be substantially complete by the end of fall 2010.

For more information on SPUIs, and to see animation of an interchange "in action" visit the kcICON Channel on YouTube [by clicking here](#), or visit MoDOT's page on SPUIs at <http://www.modot.mo.gov/stlouis/links/SinglePointUrbanInterchanges.htm>.



An aerial view of the SPUI construction progress on Front Street from June 2010.

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