New Configuration – Thru-cut

With the addition of the thru-cut, VJuST now includes 30 possible intersection and interchange configurations.

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**What is a thru-cut?**
- A thru-cut is an intersection design where minor street through movements are prohibited

**When should I consider a thru-cut?**
- A thru-cut is a signalized intersection best suited for locations at which:
  - Minor street through volumes are relatively low (less than 100 vph), but overall minor street volumes are high enough to warrant a traffic signal
  - The surrounding roadway network already supports alternative routes for minor street through-movement trips

**How does VJuST reroute minor street through movements?**
- Existing minor street through movements in VJuST are split evenly between left- and right-turn movements and do not re-enter the intersection. VJuST does not include U-turn crossovers on the major street or downstream turns at other roads or driveways.

**Can VJuST screen an unsignalized thru-cut?**
- No, the benefits of unsignalized thru-cuts are limited. The design would encourage concurrent two-stage left turns from the minor street, which are not desirable. Additionally, unsignalized thru-cuts do not reduce conflict points between minor street left-turn movements and major street traffic.

For more information on the thru-cut, visit [www.virginiadot.org/innovativeintersections/](http://www.virginiadot.org/innovativeintersections/)