

# Diverging Diamond Interchange

## Safety Benefits

### Fewer Conflicts at Ramp Intersections

- Each conflict point represents a potential crash.
- Total interchange area conflict points reduced from 26 to 14. Conflict points are where two vehicles can meet at the same time.
- Largest reduction in number of crossing conflicts (10 to 2), for the DDI. Only the through movements on IL 59 cross at the ramp intersections.
- Eliminates left turns in front of oncoming traffic (IL 59 to Ramps).

### Reduce Crashes Through Interchange Area

- Missouri recorded a 53% reduction in interchange area crashes in the first year of DDI operation.
- IDOT has used Missouri's Lessons Learned document in the layout and design of IL 59 & I-88.

### Safer Access to/from the Interchange

- Proposed geometry forces traffic to reduce speeds through the interchange.
- Wrong-way entry to ramps is essentially eliminated.

### Safe Pedestrian Crossing

- Pedestrians are guided to the multi-use path located in the center of the interchange. This allows access to all quadrants of the interchange.
- Shorter crossings for pedestrians and bicyclists. Exposure to traffic is reduced.

