



Re-Time Adjacent Traffic Signals

The modification of the traffic signal timing schemes at one or both of the nearby signalized intersections to create longer gaps in the traffic stream for turning maneuvers at the nearby unsignalized intersection.



Source: Lee Engineering, LLC



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Traffic engineers adjust the timing of a traffic signal at its control cabinet.

Targeted Crash Types

- Right-angle
- Rear-end (major road)
- Pedestrian

Problems Addressed

- Misjudgment of gaps
- Poor operational performance

Conditions Addressed

- Crash history or observed conflicts (right-angle) due to insufficient gaps in through traffic on major road.
- Long queues on minor road due to insufficient gaps in traffic on major road.

Considerations

- Changing the signal timing to benefit the adjacent unsignalized intersection may negatively impact the level of service and/or progression on the major road. Impacts should be considered not only for adjacent signals but the signalized corridor as a whole.
- May need to consult with other agencies (state, county, or local) to coordinate signal timing.

Other Resources

[NCHRP 500 Volume 5: A Guide for Addressing Unsignalized Intersections](#)
[Traffic Signal Timing Manual, FHWA](#)

