

SAFERoad SOLUTIONS

EFFECTIVE ROAD DESIGNS EXPLAINED



Dedicated Left and Right Turn Lanes (DLRTL)



Dedicated left- and right- turn lanes are auxiliary lanes that allow vehicles to safely turn at intersections without interfering with through traffic.

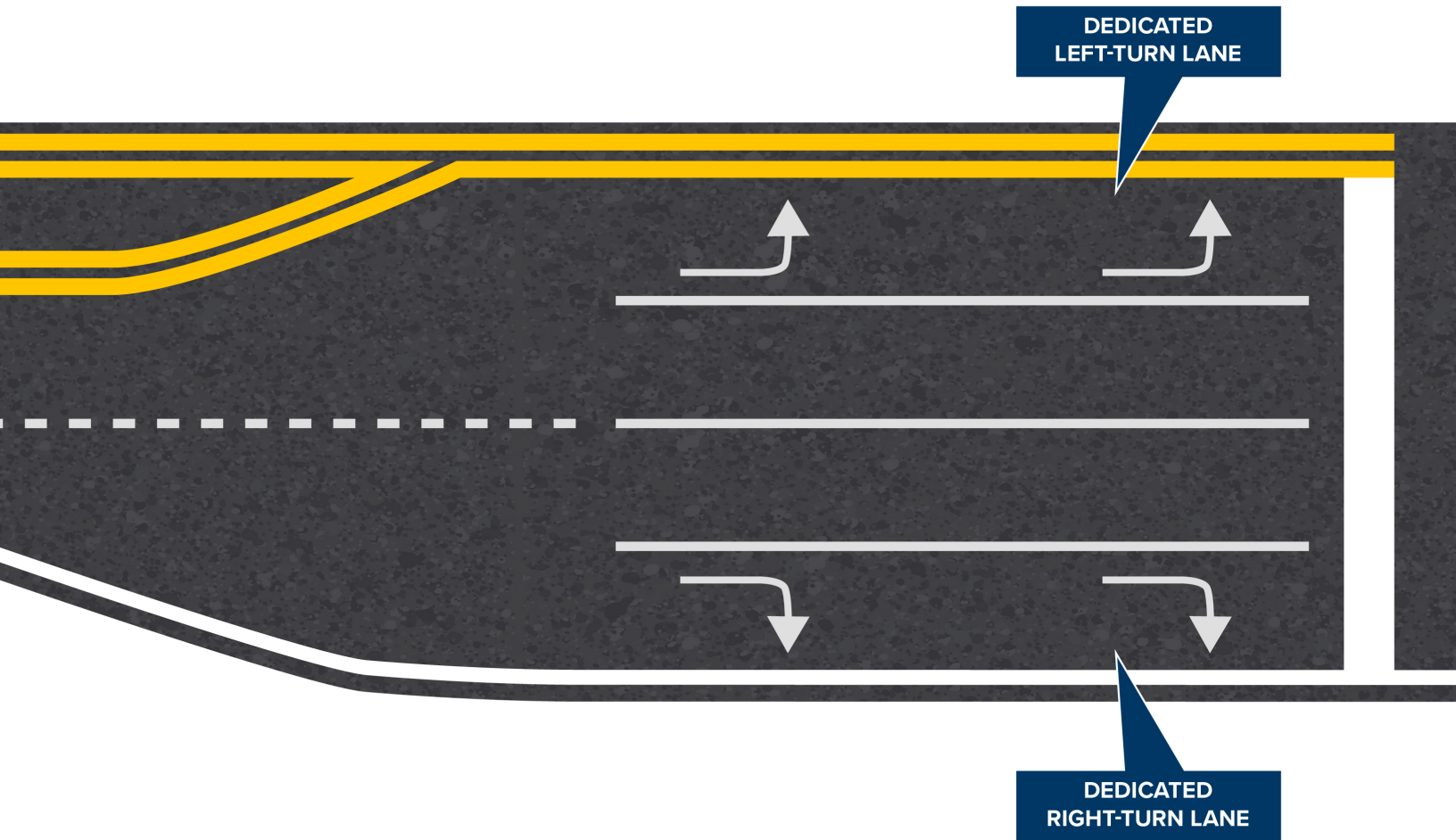
BENEFITS

- **Enhanced Safety** – they reduce the risk and severity of turn-related crashes by allowing vehicles to slow down and stop before making turns.
- **Increased Efficiency** – they ease congestion and delays by allowing turning vehicles to move out of the way of through traffic.
- **Boosted Capacity** – they increase the capacity of intersections by creating more space for vehicles.





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WHAT TO KNOW ABOUT DEDICATED TURN LANES

- Often implemented at three- or four-leg intersections where traffic volumes and speeds are relatively high
- Pavement markings and traffic signs indicate direction of travel
- Drivers exit their designated lane, proceed slowly and wait for gaps in oncoming traffic before turning

WHEN TO USE DEDICATED TURN LANES

A dedicated left- and right- turn lane design could be an effective solution for communities seeking to:

- Improve the performance at two-way stop-controlled intersections.
- Address intersections with a high frequency of turns.
- Reduce the number of turn-related crashes.