

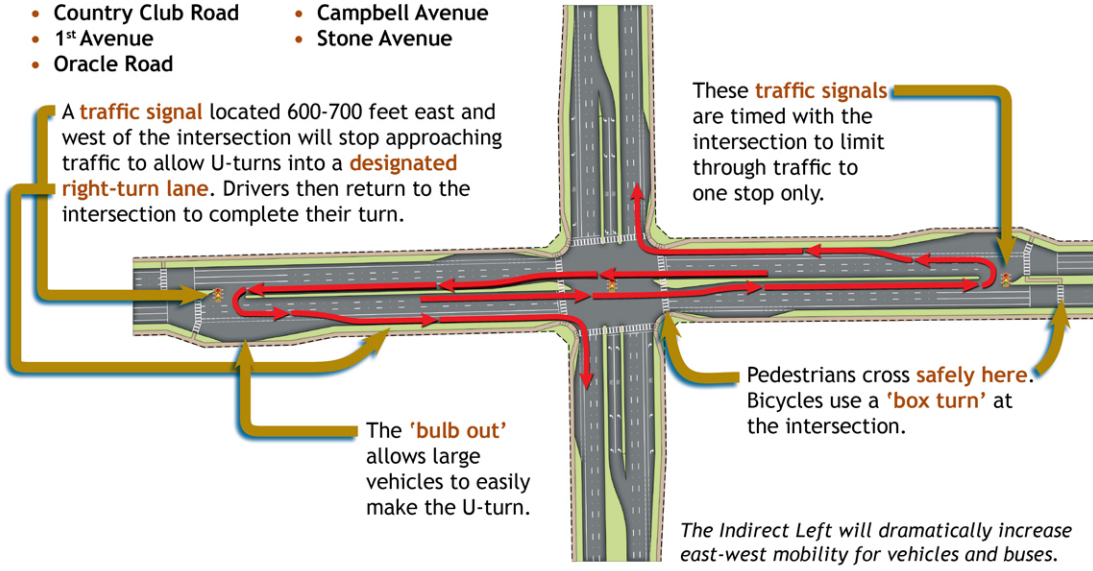
Achieving

DESIGN INNOVATIONS – Indirect Left Turn

In the future, Grant Road will carry more than 60,000 vehicles per day and more than 100,000 per day will travel through the major intersections. A traditional intersection with dual left and right turn lanes will result in higher levels of congestion and delay than the indirect turn intersection. The Grant Road Task Force and Planning Team selected the Indirect Left Turn to enhance the efficiency of the intersections and increase the east-west mobility for vehicles and buses at Grant Road's intersections and reduces travel time through intersections by 27%.

The Indirect Left Turn is recommended for seven major intersections along Grant Road:

- Swan Road
- Country Club Road
- 1st Avenue
- Oracle Road
- Alvernon Way
- Campbell Avenue
- Stone Avenue



Emergency vehicles can pre-empt signals and make a traditional left turn if necessary.

Task Force's Guiding Principles Met by the Indirect Left Turn

- Balance the transportation needs of those traveling locally with those passing through on Grant Road
- Improve mobility and safety for all those traveling along and across Grant Road
- Ensure that roadway improvements support and enhance the community's values
- Support the viability of small, local, and independent businesses
- Preserve and enhance opportunities for a range of employment along Grant Road
- Create an esthetically pleasing, comfortable, inviting environment

Better East-

HOW THE INDIRECT LEFT TURN BENEFITS YOU ...

A Shorter Wait at Light

- Reduces the amount of time vehicles are stopped at the intersection by 42%.

More Fuel Savings

- Reduces fuel consumption by approximately 9% for all vehicles using the intersection.

Safer

- Reduces total crashes at intersections by 16% and injury crashes by 30%.

Smaller Intersections

- Smaller intersection means less right-of-way needed, lower costs, and possibility of preserving existing businesses and reduces the distance pedestrians have to cross by 20 feet.



The 'bulb out' allows U-turns for larger vehicles such as buses and semi-trucks.

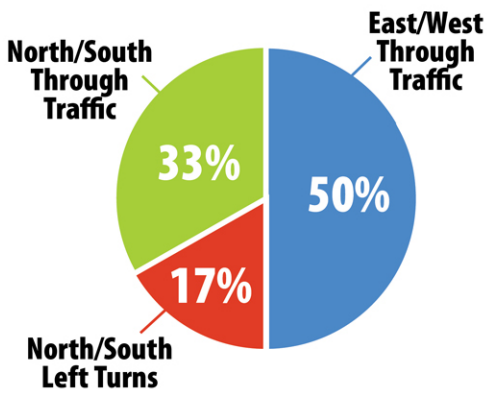


West Mobility

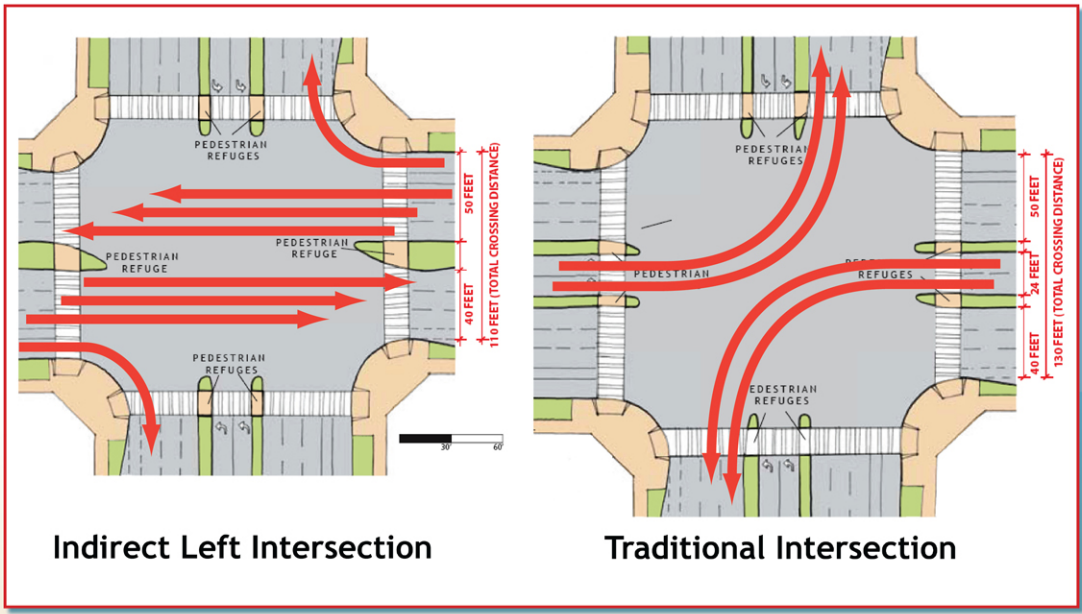
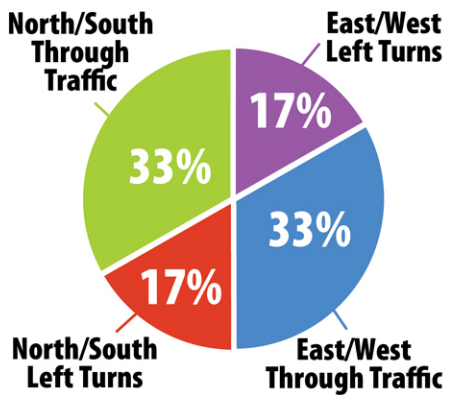
IMPROVING EAST-WEST TRAVEL

The Indirect Left Turn Intersection Design allows significantly more time to be given to traffic moving east-west along Grant Road.

Indirect Left Turn Traffic Signal Timing



Traditional Traffic Signal Timing



Indirect Left Intersection

Traditional Intersection