TRAFFIC CALMING TOOLBOX

NECKDOWNS

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Chicanes are barriers placed in the street that require drivers to slow down and drive around them. The bulb-out sections are separated from one side of the street to the other to create a chican. Any type of barricade or post can be used to create this channeling type effect in the road.

Typical Cost: Approximately $10,000 to $15,000.

RAISED INTERSECTION

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Raised intersections are elongated speed humps with a flat section in the middle and ramps on the ends. Speed tables are typically 22 feet long in the direction of travel with a 10 feet flat section and 6 feet ramps on either end. Similar to speed humps the height typically range from 3 to 6 inches.

Typical Cost: Approximately $10,000 to $15,000 which does not include any potential right-of-way takings/encumbrances.

RAISED CROSSWALK

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Raised crosswalks are elongated speed humps with a flat section in the middle and ramps on the ends. Speed tables are typically 22 feet long in the direction of travel with a 10 feet flat section and 6 feet ramps on either end. Similar to speed humps the height typically range from 3 to 6 inches.

Typical Cost: Approximately $10,000 to $15,000 for asphalt tables. Will be much higher to other treatments such as brickwork, stamped asphalt, concrete ramps.

TEXTURED TREATMENTS

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TRAFFIC CALMING IS THE USE OF MAINLY PHYSICAL MEASURES TO:

- Reduce the negative impacts of motor vehicle use
- Alter driver behavior
- Improve conditions for non-motorized street users

OBJECTIVES:

- Slow speeds
- Reduce frequency and severity of collisions
- Increase safety for non-motorized users of the street
- Reduce need for police enforcement
- Enhance street environment
- Increase access for all modes
- Reduce cut-through motor vehicle travel

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CHICANE

Chicanes are barriers placed in the street that require drivers to slow down and drive around them. The bulb-out sections are separated from one side of the street to the other to create a chican. Any type of barricade or post can be used to create this channeling type effect in the road.

Typical Cost: Approximately $10,000 to $15,000 which does not include any potential right-of-way takings/encumbrances.

DIAGONAL & SEMI-DIVERTER

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A diagonal diverter is a barrier placed diagonally across an intersection to prevent the intersection into two unconnected streets. Vehicles on the two streets will then be forced. This measure is more advantageous when included in an overall plan for a neighborhood street system.

Typical Cost: Approximately $13,000 to $15,000 (depending on the barrier used and the degree of landscaping)

A semi-diverter is similar to a diagonal diverter, but traffic from the diagonal direction is permitted to pass through. It blocks only half of the street. Semi-diverter can be used to narrow the intersection of two streets in which one direction is blocked, but traffic from the opposite direction is permitted to pass through.

Typical Cost: Approximately $2,000 to $3,000 per hump.

SPEED HUMP

SPEED HUMP

Speed humps are raised areas in the paved surface of a street that extend across the roadway. They vary from rounded to flat topped. Speed humps are typically range in height from 2 to 4 inches although other lengths used include 10, 22 and 30 feet and generally range in length between 6 to 10 inches.

Typical Cost: Approximately $8,000 to $15,000.

ROUNDABOUT

ROUNDABOUT

Roundabouts are channelled intersections where traffic moves in a one way direction around a raised central island which is usually circular in shape. They can be fitted to the characteristics of the intersection and designed so that emergency vehicles and traffic can easily navigate the circle. A smaller version of the roundabout is the traffic circle or intersection island which are round islands around which traffic circulates.

Median Barriers/Center Island Narrowing

Median Barriers/Center Island Narrowing

Center island narrowing are raised islands located along the centerline of a street that narrows the travel lane at that location. Median barriers can be used to narrow the travel lane on a street which narrows the travel lane at the intersection of two streets in which one direction is blocked, but traffic from the opposite direction is permitted to pass through.

Typical Cost: Approximately $10,000 to $750,000 for urban roundabout.

GATEWAYS

GATEWAYS

Lighting

Lighting

Lighting

Lighting