PROJECT TYPE

Traffic Flow Improvements

Installation of traffic signals, roundabouts, or other types of traffic controls. Can also include addition of turn lanes. Operational improvements also may include modifying traffic signals along a corridor or within a subarea.

Purpose:

Improve traffic flow, improve safety, reduce traffic delays, improve efficiency of traffic flow. Support transit and/or freight movement at specific locations.

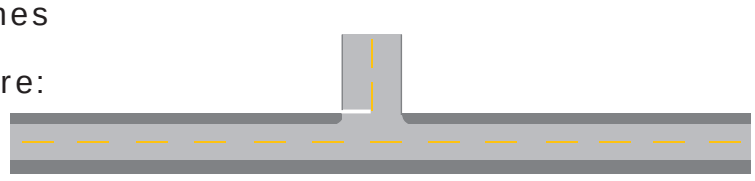
EXAMPLE

Signalized Intersection:

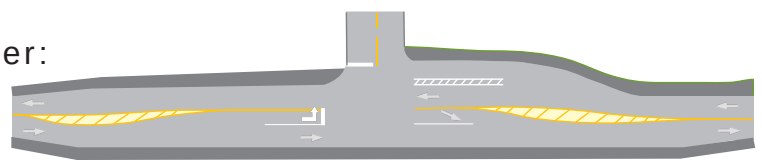
Roundabout:

Turn Lanes

Before:



After:



Upgrade Existing Roadways

Improve existing roadways to meet current design standards including lane widths, non-motorized facilities, and parking. Upgrade roadway surface.

Purpose:

Improve safety and functionality of existing roadway and provide for non-motorized travel. Reduce annual maintenance needs.

Old Roadway:

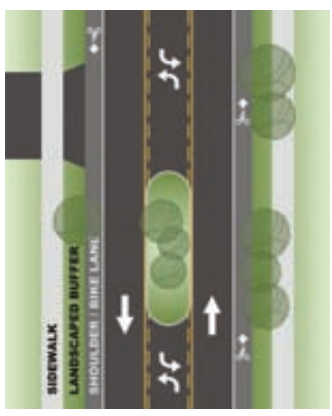
Reconstructed Roadway:

Widen Roads & Bridges

Add travel lanes. Typically would include improvements to non-motorized facilities.

Purpose:
Improve traffic flow along a corridor for general purpose traffic, freight, and/or transit. Also can improve traffic flow to/from side streets by providing more signal time for that traffic.

Before:



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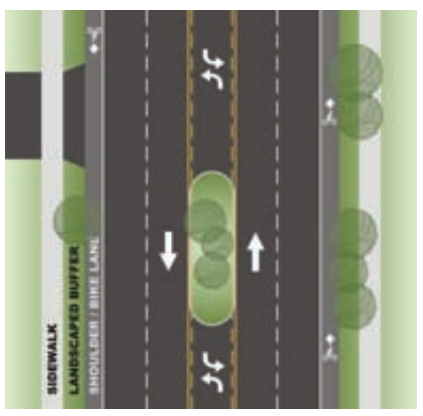


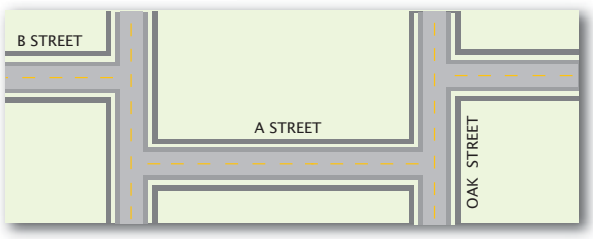
More Street Connections

Construct roadways or extend existing roadways to provide new connections. Typically would include non-motorized facilities.

Purpose:
Improve local access and circulation to properties. Reduce use of arterial or highway corridor for local traffic and property access. Provide alternative routes for transit service. Improve connectivity of non-motorized system.

Before:

After:



Major Construction Projects

Major regional improvements can include modifying existing or constructing new interchanges, constructing new bridges, or constructing grade separated crossings of roadways or railroad tracks.

Purpose:
Improve travel safety and operations by providing alternative travel routes and reducing the number of conflict locations.

PROJECT TYPE

More Public Transit

Transit service enhancements could include decreasing the time between buses, extending service to nights and weekends, and changing routes to improve access to neighborhoods.

Transit facility enhancements include items such as developing a transit center, improved bus stops and shelters, and park & ride lots. Providing separate lanes or rights-of-way for transit also would be included. Operation and intersection improvements such as queue bypass lanes or transit adaptive traffic signal timing also may be considered

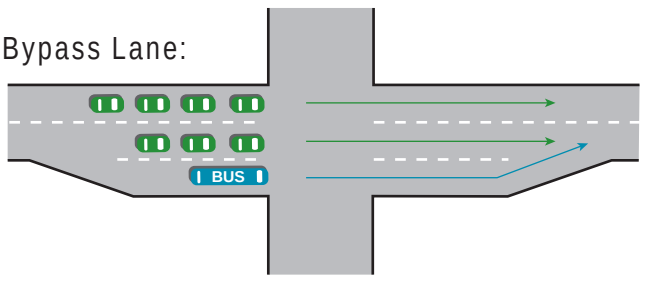
Purpose:

Provide more reliability and comfort to increase use of transit to reduce number of private vehicles on the roadway system.

EXAMPLE

Bus Shelters:

Transit Bypass Lane:



Better Pedestrian & Bicycle Facilities

Construct or upgrade sidewalks, bike lanes, bike routes, and trails to provide for non-motorized travel. May also include installation or upgrading of curb ramps, crosswalks, or grade separated facilities.

Purpose:

Enhance safety and connectivity for walking or bicycling within a community or connecting to regional destinations. Improve connections to transit service.

Crosswalks:

Pedestrian Facilities:

Creative Use of Technology

Implement technology to better manage traffic operations and inform users of travel conditions. Based on real-time data and information.

Purpose:
Improve the safety and efficiency of the operation of the transportation system for a range of travel modes through adjusting traffic control systems, variable message signing, driver information, and other technologies.

Driver Information:

Variable Message Sign:

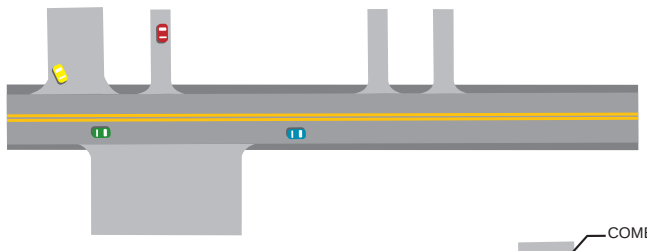
Traffic Management Center:

Reduce Direct Access to Driveways

Direct and/or manage access along a corridor by consolidating driveways and controlling where turning movements are made. May include U-turn routes or use of alternative access and circulation roadways.

Purpose:
Create a safer and more efficient traffic flow by reducing the number of conflict points.

Before:



After: