Portland Mall Bus – LRT Operations

Winter/Spring 2008



Overall Mall Timeline

Service plan to public

Final Service Plan

Bus Training begins

Mall MAX training

Buses return to mall

Fall 2008

Jan/Feb 2009

Jan 2009

May/Jul 2009

May 24th, 2009

Timeline – Basic SOPs

Field tests 2004

Team started April 2007

Draft January 2008

Present to staff Spring 2008

Present to Operators Summer 2008

BCRC approval Fall 2008

Timeline – Incident SOPs

Draft Summer 2008

Present to staff Fall 2008

FLS committee Fall 2008

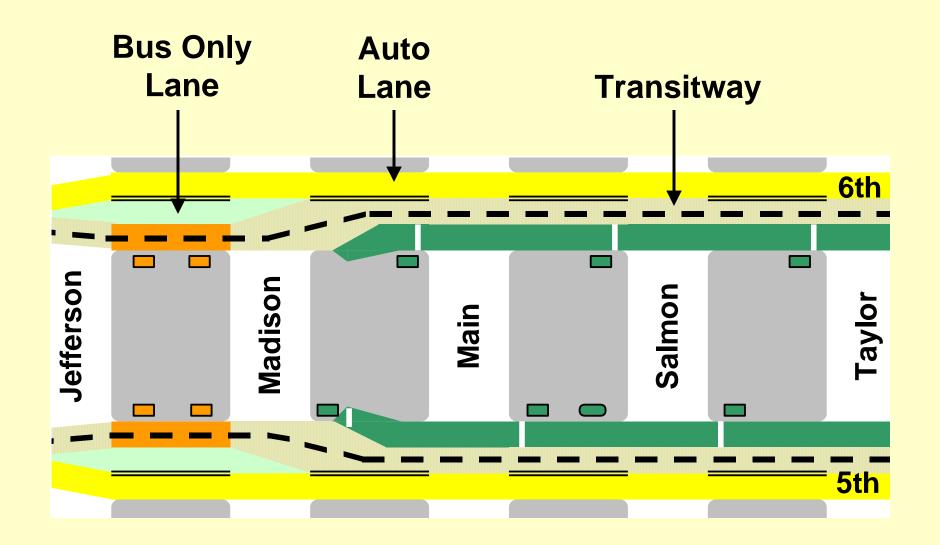
BCRC approval Winter 2008

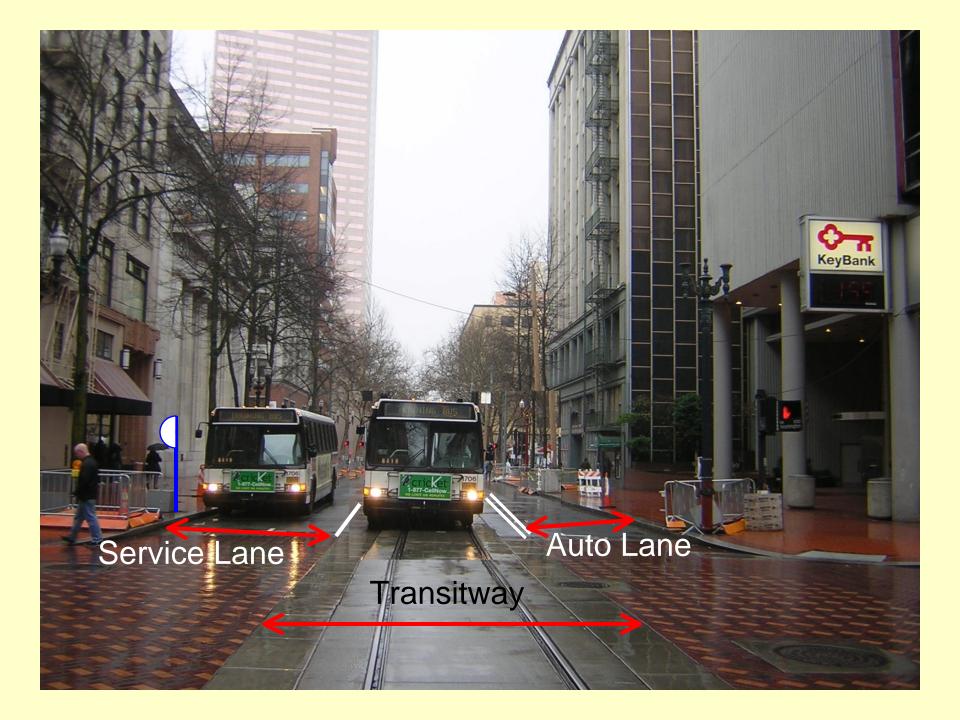
Definitions

 Transitway- Travel lane for exclusive use by TriMet buses or trains

Bus Only Lane- Travel lane that may only be used by buses

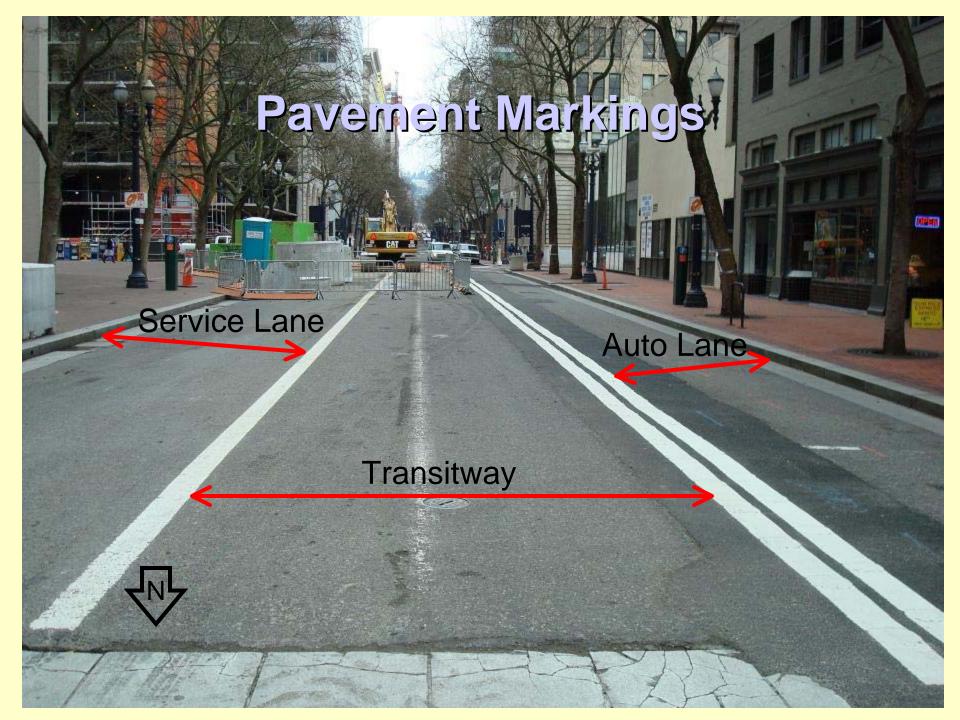
 Auto Lane- Travel lane primarily used by non-TriMet vehicles





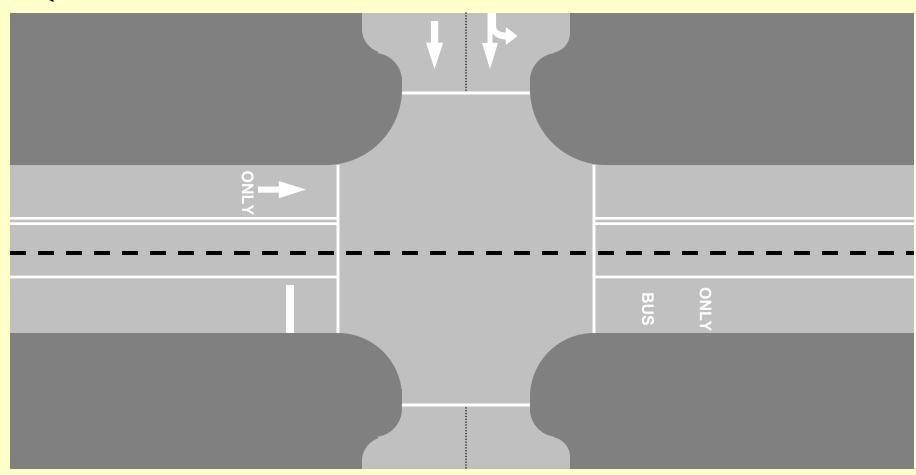
Pavement Markings

- <u>Double white line</u> (with rumble)- clearly separates auto lane from the transitway
- Single white line- delineates the dynamic envelope of the MAX trains
- <u>Dynamic envelope</u>- safety zone around any MAX train that should be kept clear whenever the train is in motion



Pavement Markings



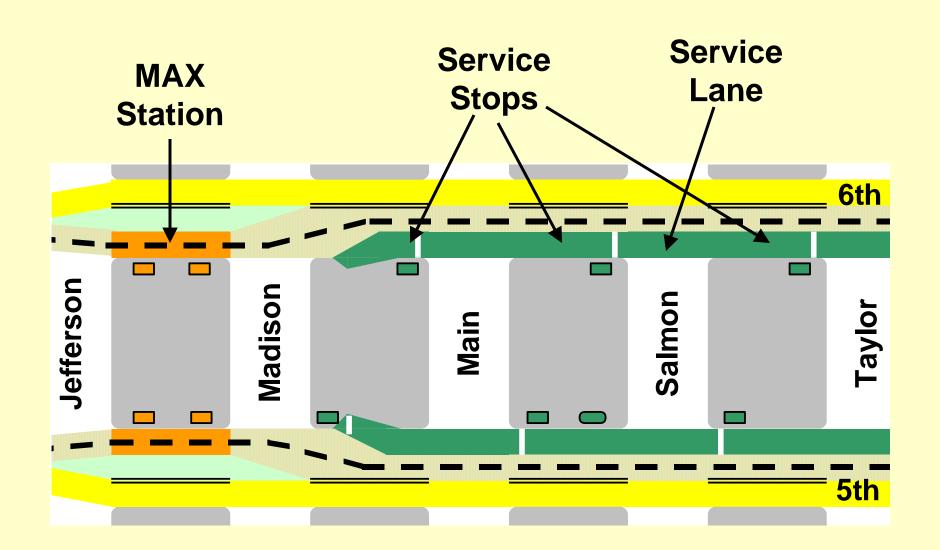


Definitions

<u>Service Lane-</u> Travel lane used for accessing service stops

 Service Stop- The place where passengers can board and/or deboard a bus

 MAX Station- The place where passengers can board and/or deboard a MAX train



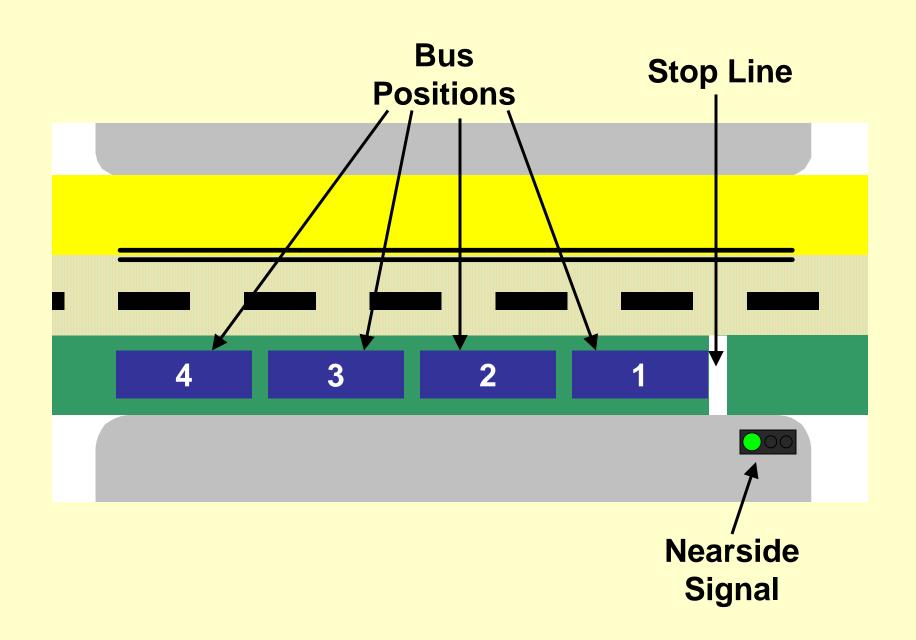


MAX Station Block

Service Stop Block

Definitions

- Nearside Signal The nearside traffic signal located at the front of every bus stop
- Bus Positions- Within a service stop there are between 2 and 5 bus positions. Positions are numbered from the front of the service stop to the rear. The position at the very front of the stop is the first position
- Stop Line- A painted line at the front of a service stop that indicates where the bus serves the first position





Bus Positions

Nearside Signal





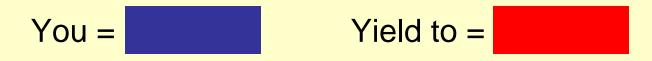
Bus Travel Procedures

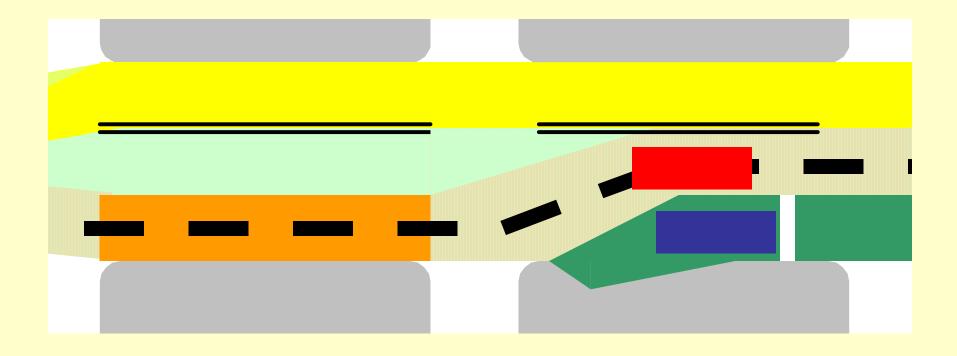
- 1. Travel along the Mall in the transitway. Auto lane may be used when:
 - Entering/exiting the Mall
 - Directed by supervisor
 - Transitway is blocked by incident
 - Passing trains stopped at stations in North Mall only

Bus Travel Procedures cont.

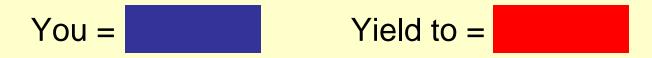
- 2. Observe the following right of way rules when traveling:
 - Buses within the service stop yield to buses and trains in the transitway
 - Buses in the auto lane yield to all buses and trains in all other lanes

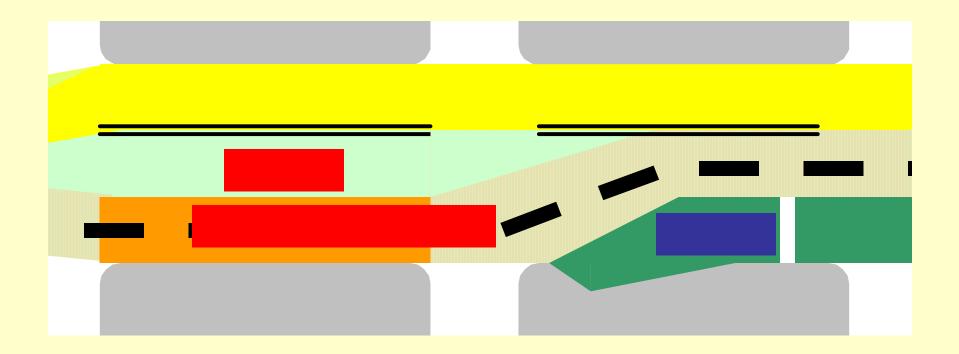
Right of Way Rules





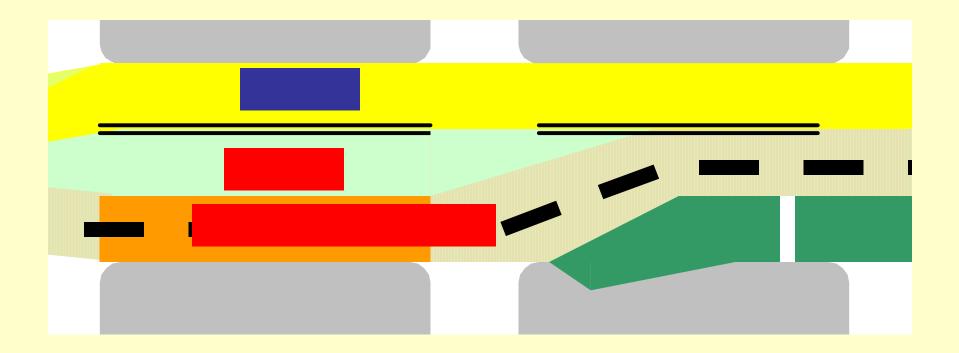
Right of Way Rules





Right of Way Rules





Bus Travel Procedures cont.

- 3. Do not turn on to the Mall on a red light, except when turning to SW 6th at Main
- 4. Do not exceed 20 MPH on the Mall
- Following distance Bus to train: 40ft. (one bus length)
 Train to bus: 100ft. (one LRV car length)
- 6. Observe all posted traffic signs and signals
- 7. Do not stop the bus outside of the transitway in a manner that blocks the dynamic envelope of a MAX train

Service Lane Procedures

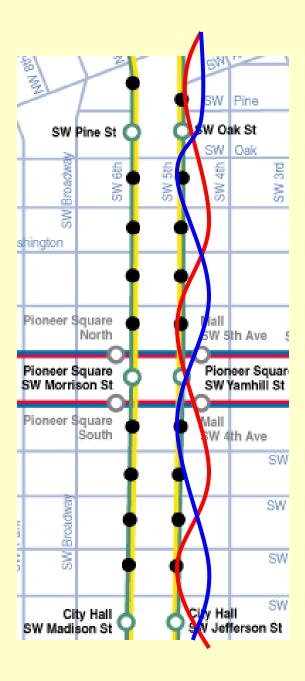
- 1. If the service lane is full, wait in the transitway nearside of the intersection until the closest bus position is available
- 2. Enter the service lane at the beginning of the block
- 3. Do not exceed 10 MPH when traveling within the service lane
- 4. Continue to move forward in the service lane through each bus position
- 5. Board and deboard passengers from the first and second bus positions

Service Lane Procedures cont.

- Passengers may be deboarded in other bus positions
- 7. All buses must stop at the first position, unless there are no waiting passengers
- 8. Only exit the service lane from the first bus position
- 9. Observe and obey the nearside bus signal
- 10. Yield to all traffic in the transitway at all times

智圣 SW Pine SW Oak St SW Pine St SW Oak SW 4th SW 3rd SW Broadwa shington Pioneer Square Mall North SW 5th Ave. Pioneer Square Pioneer Squar SW Morrison St. SW Yamhili St Pioneer \$quare Mall South SW 4th Ave SW SW Broadway SW SW SW City Hall City Hall SW Jefferson St SW Madison St

On old mall buses stopped every other block



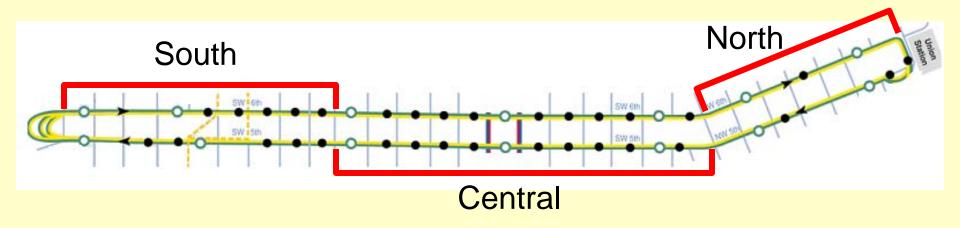
Bus stop spacing will be similar to MAX

Portland Mall

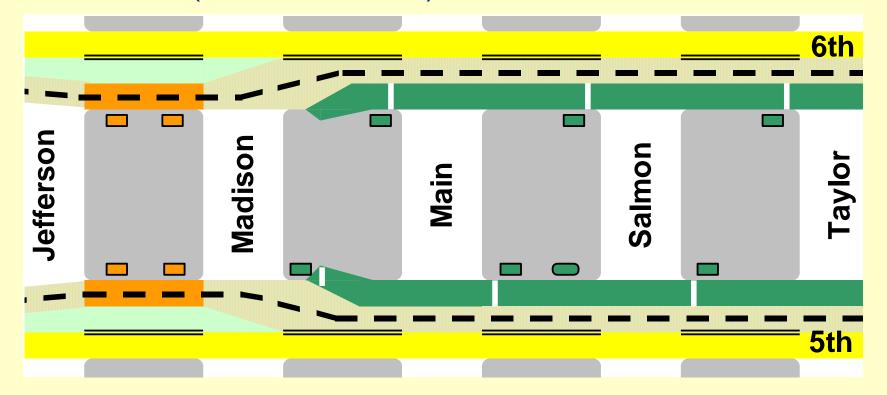
North Mall- NW Irving to W Burnside

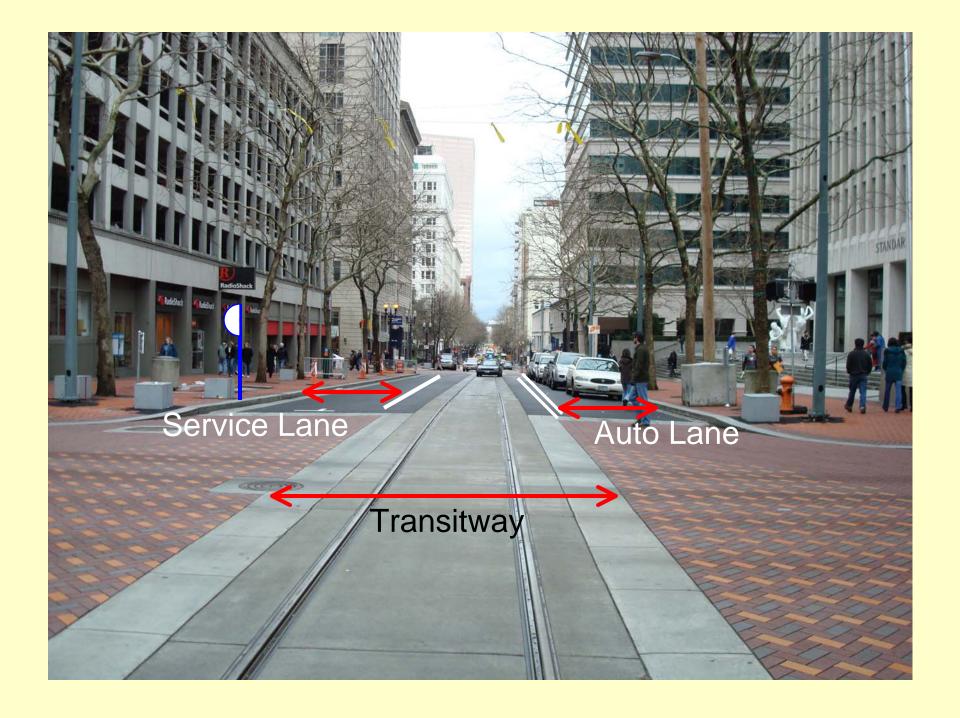
Central Mall- W Burnside to SW Jefferson

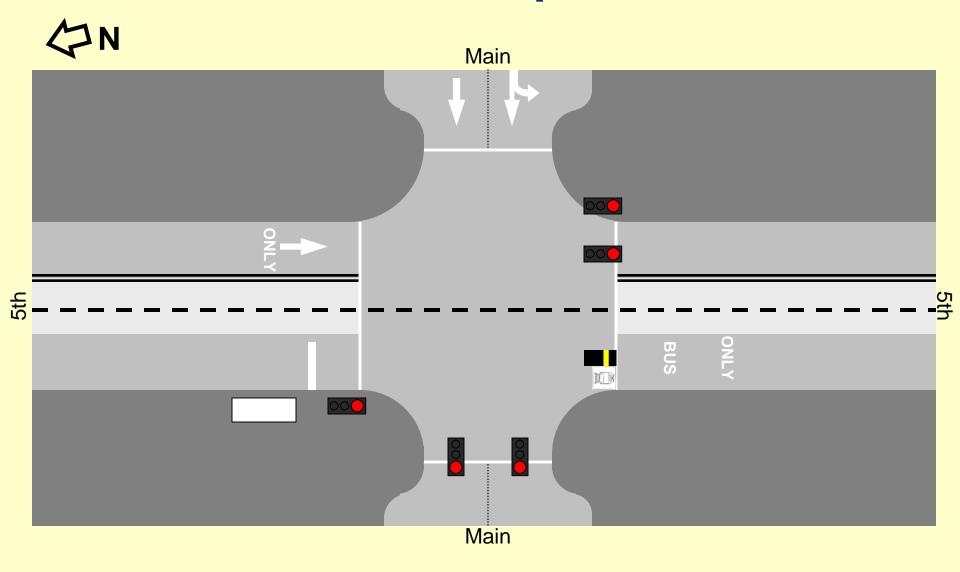
South Mall- SW Jefferson to SW Jackson

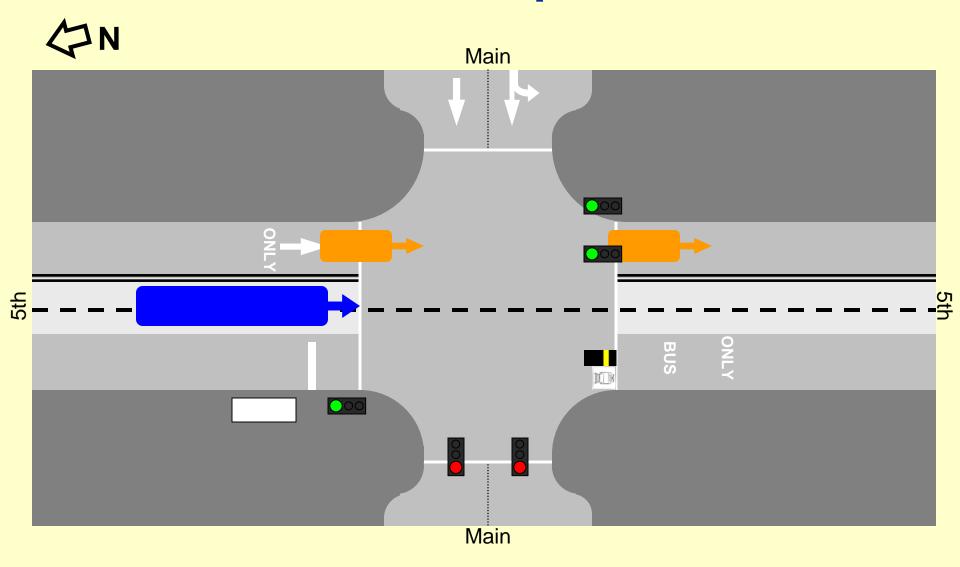


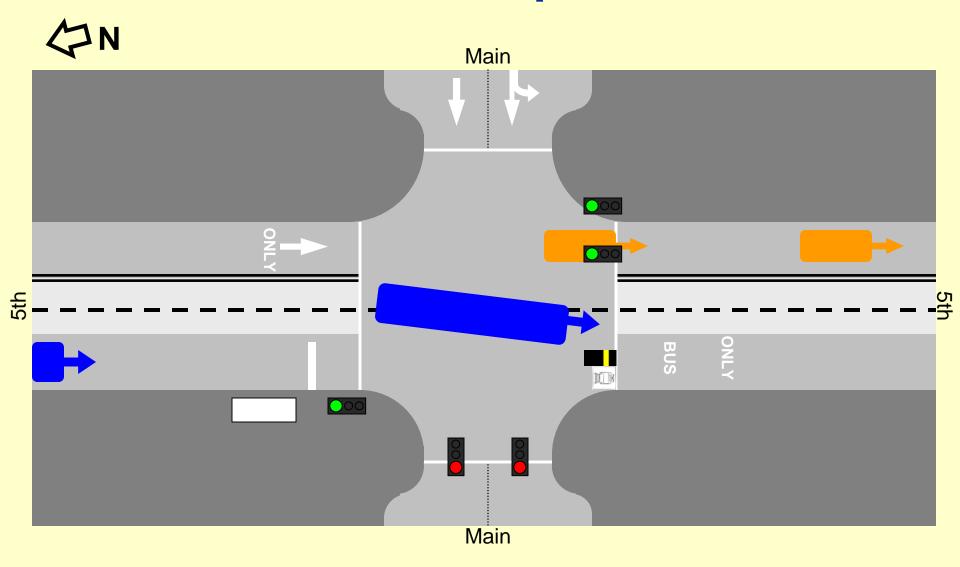
- Auto lane
- Transitway (bus and MAX) • MAX stations
- Service stops (within service lane)

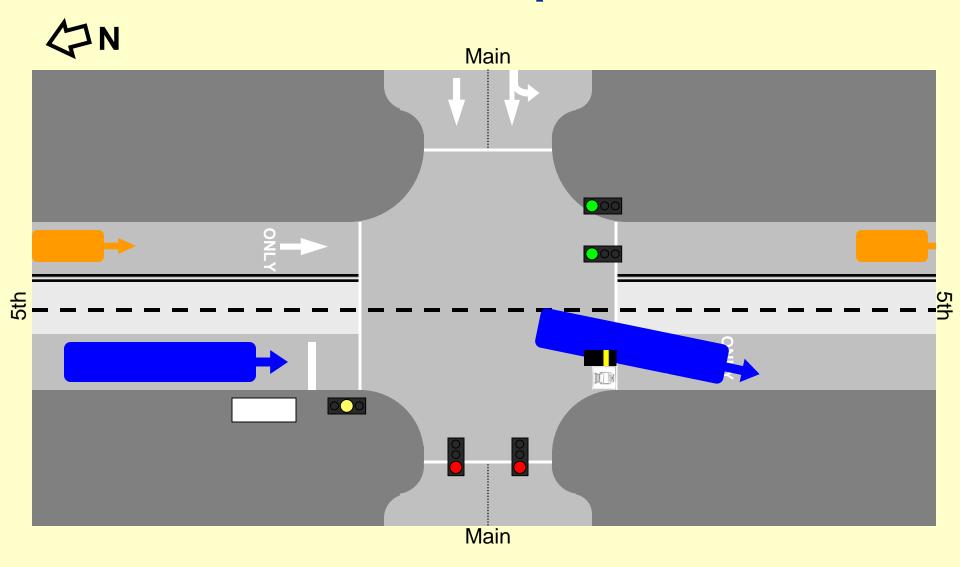


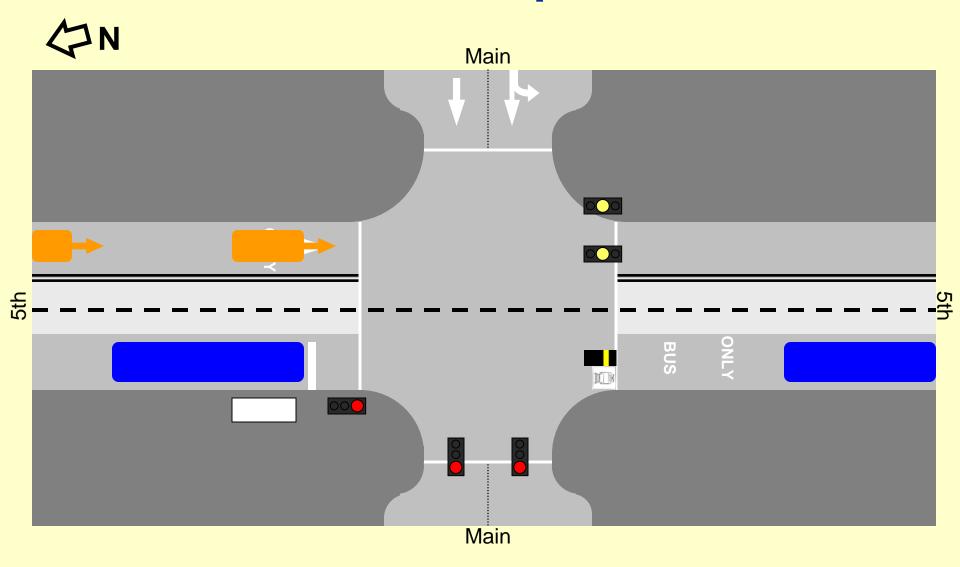


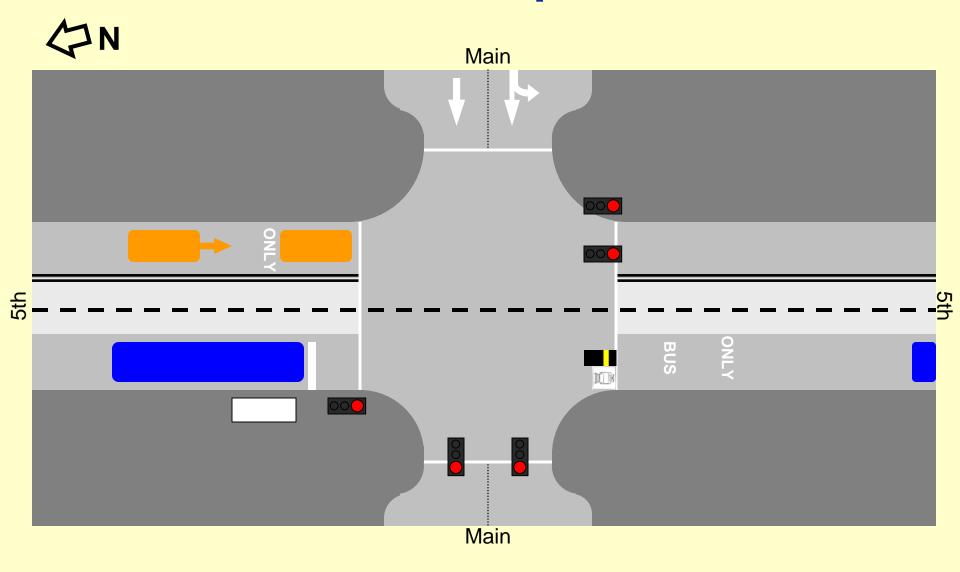


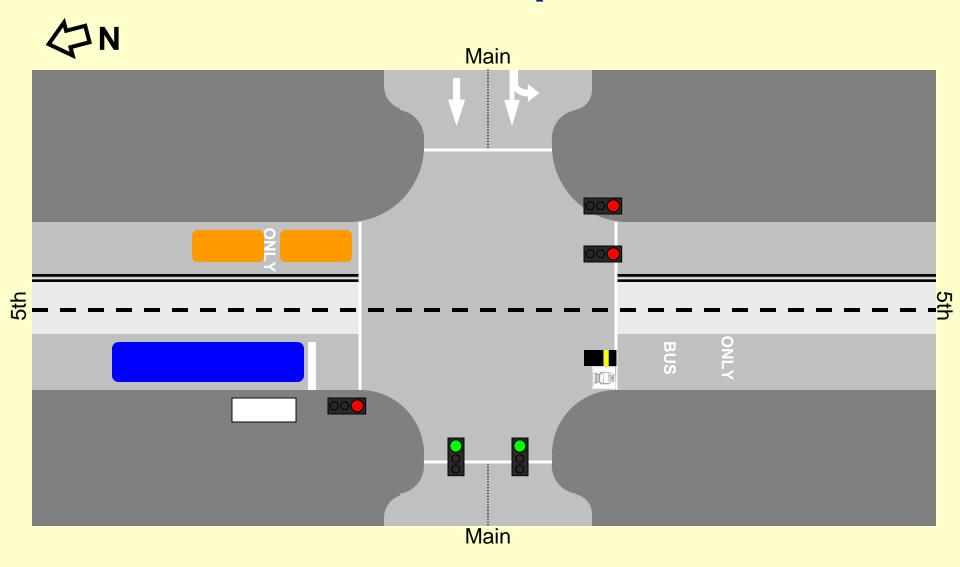


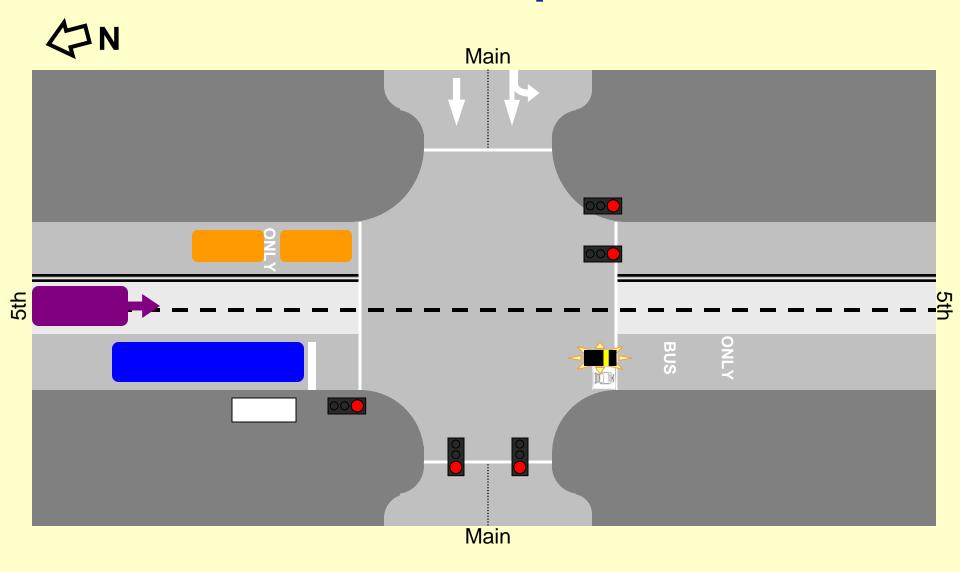


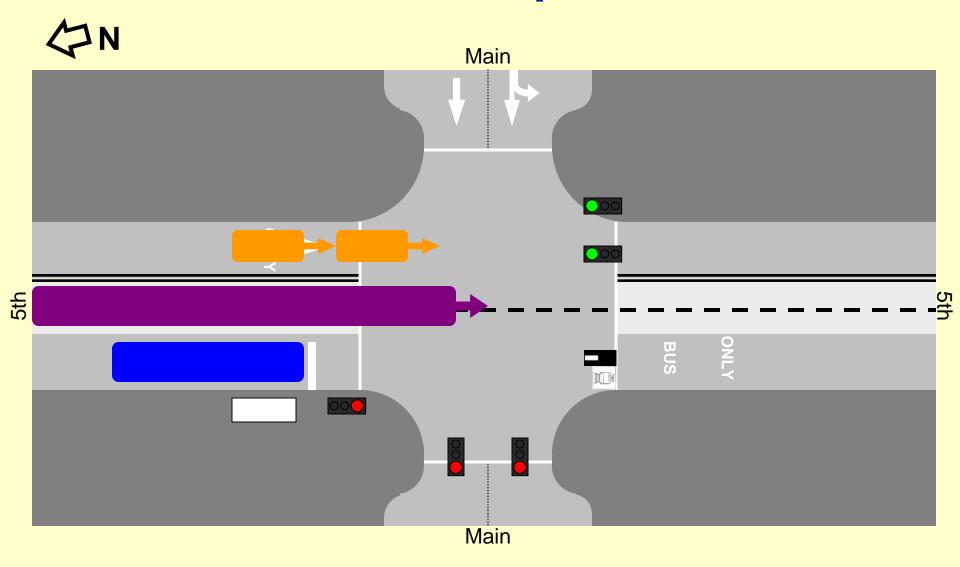


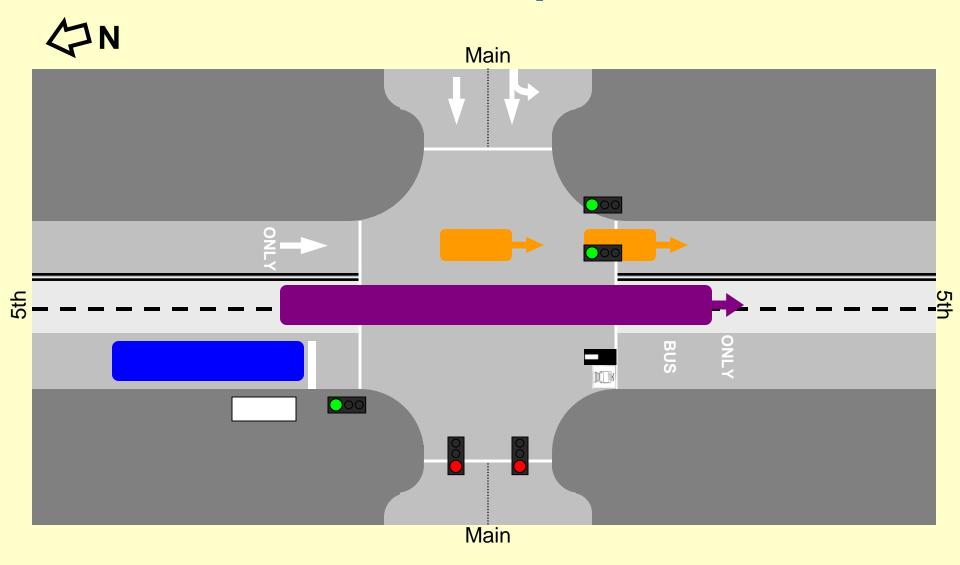


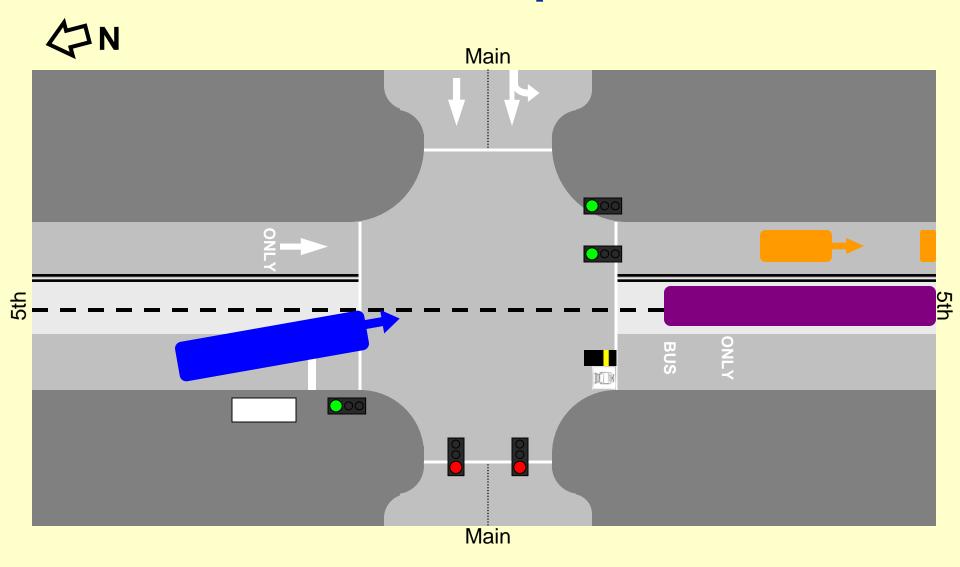


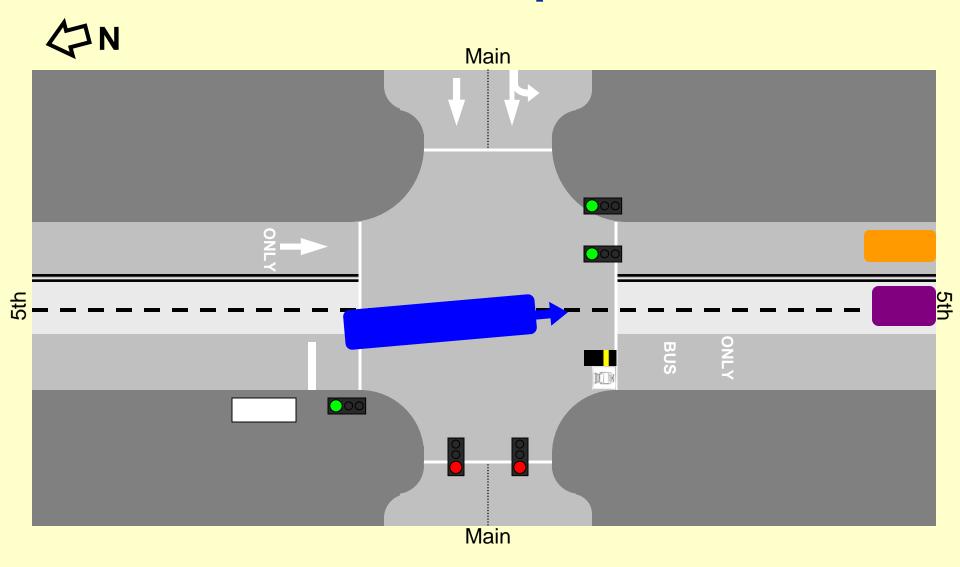


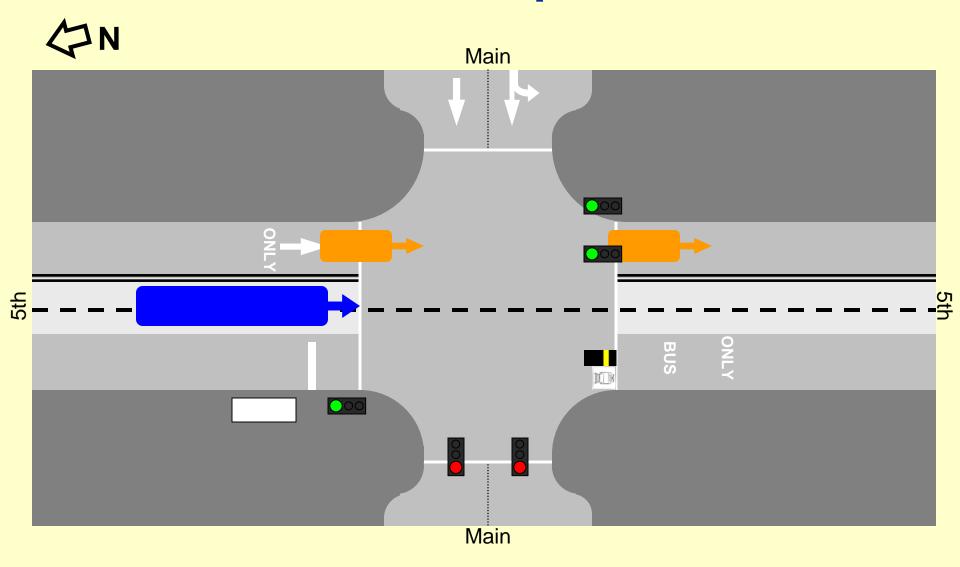


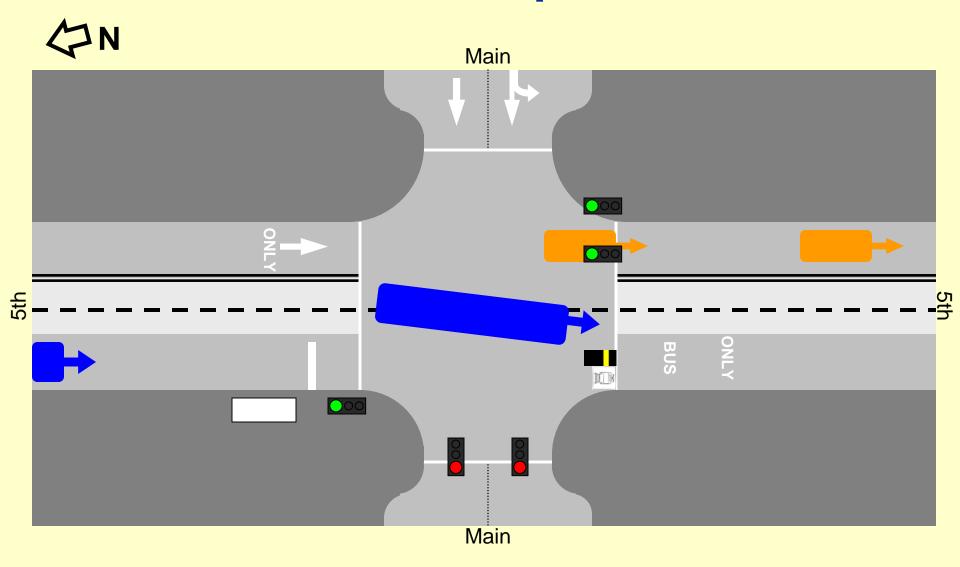


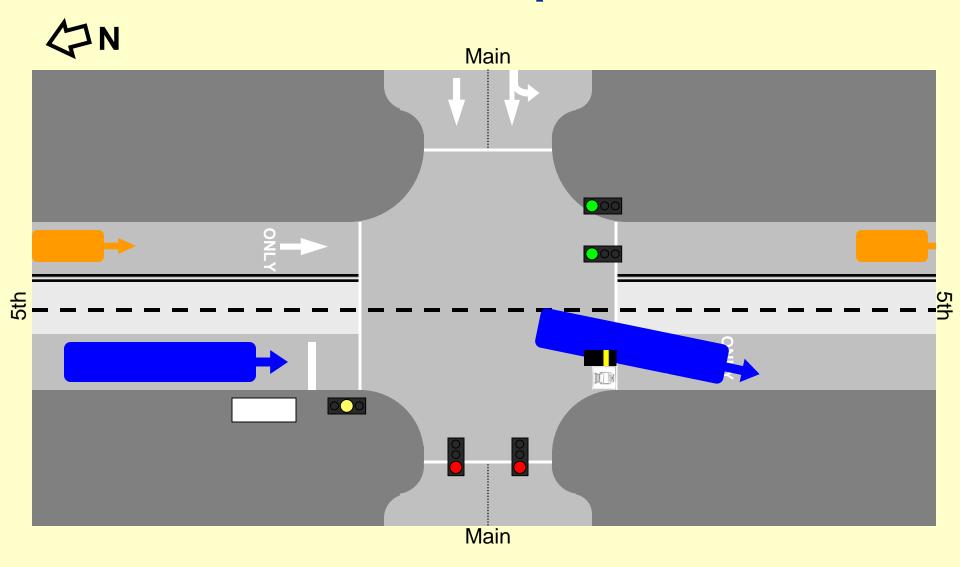


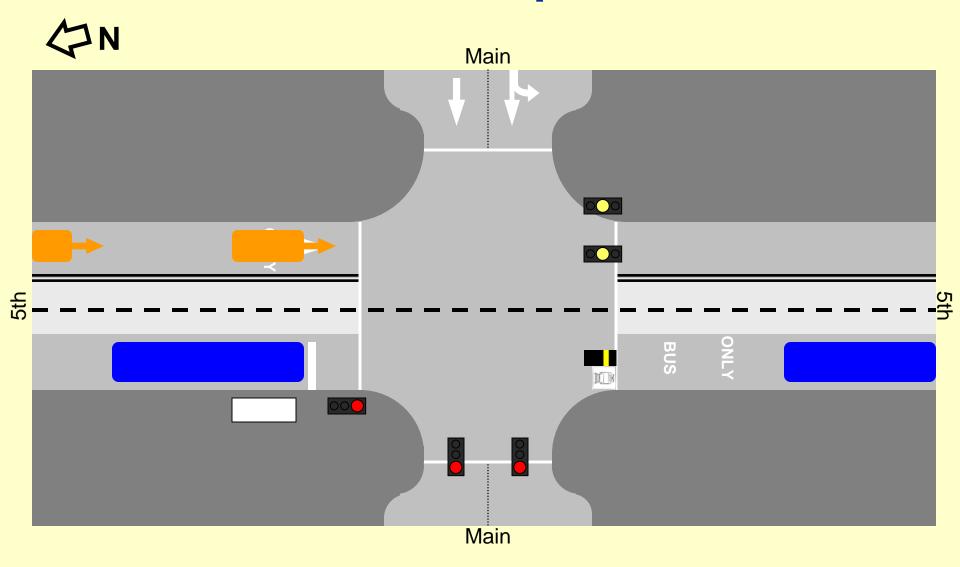


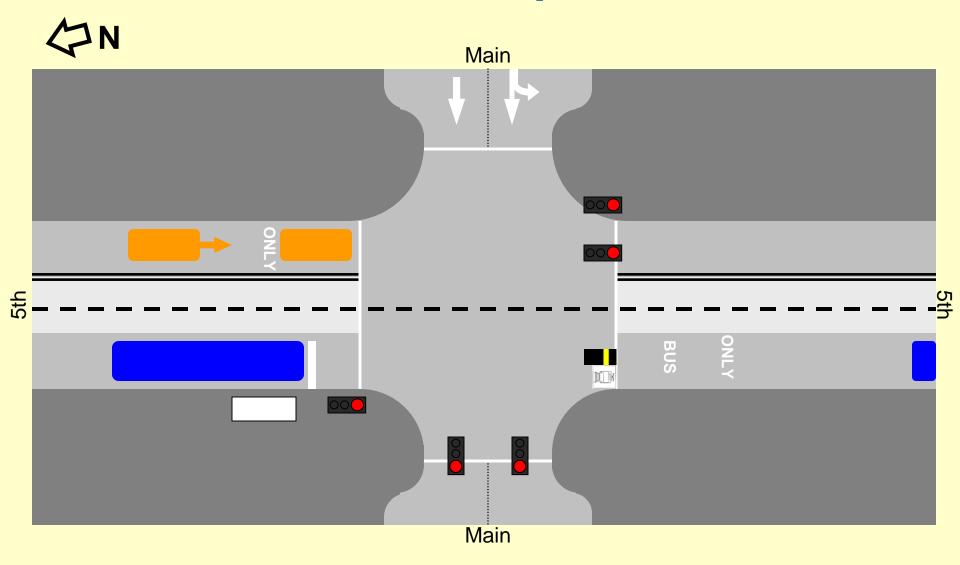


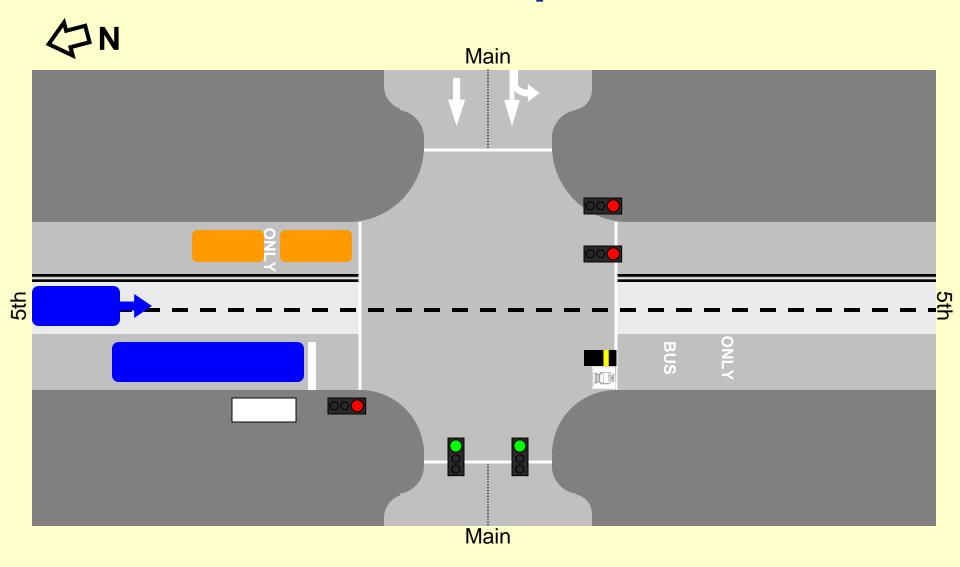


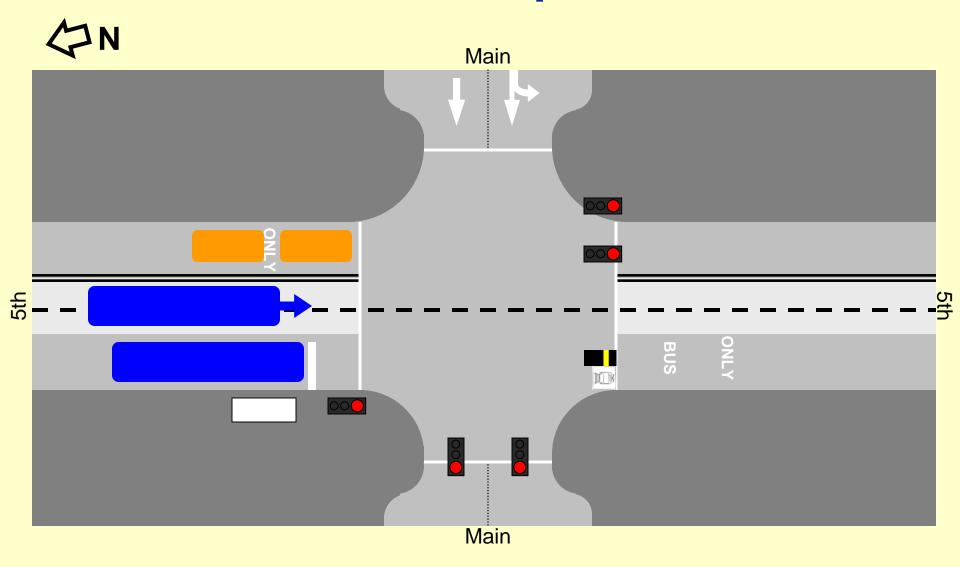


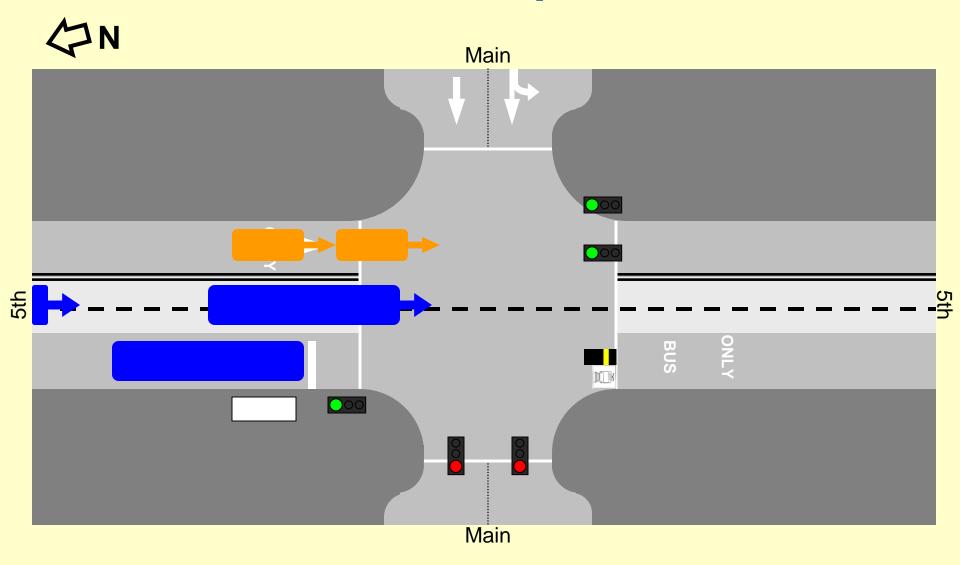


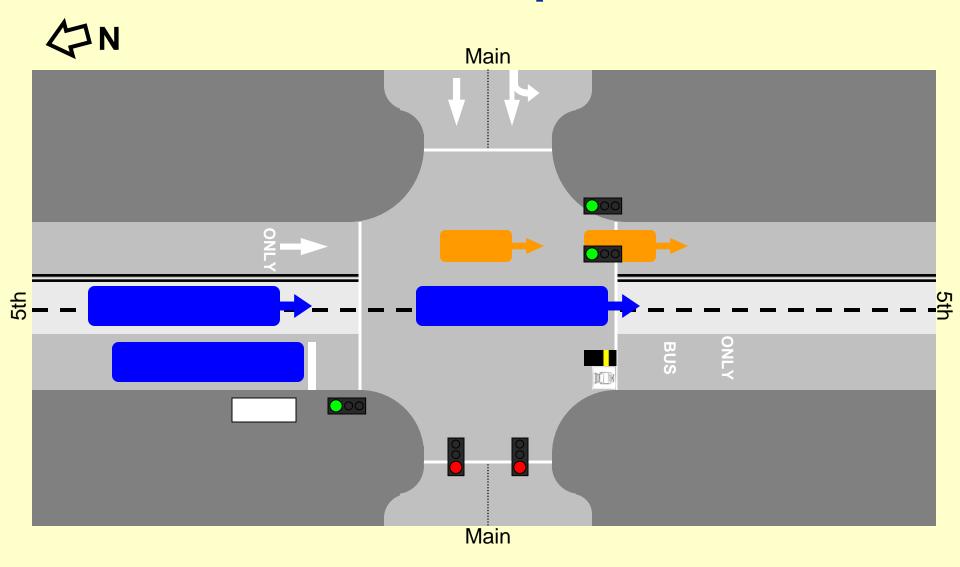


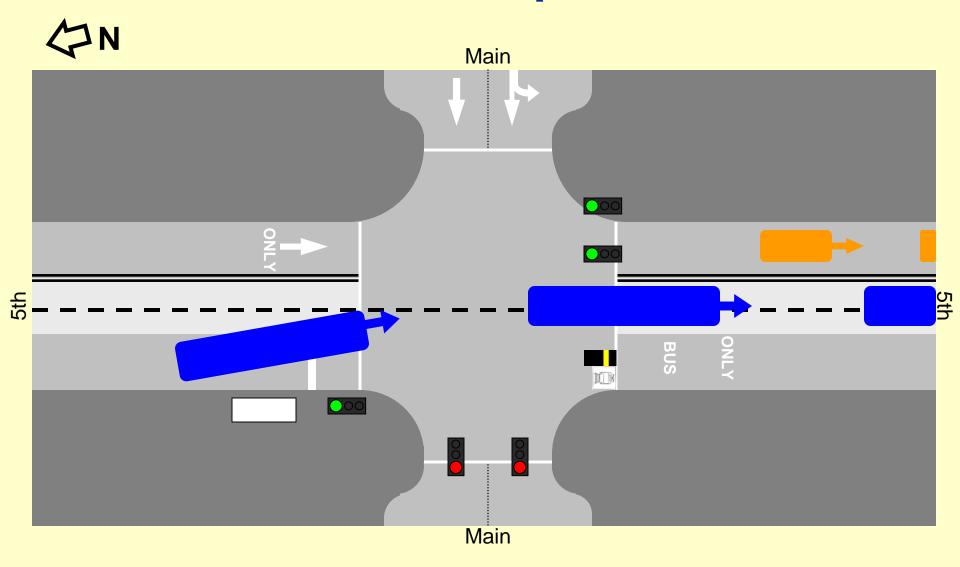


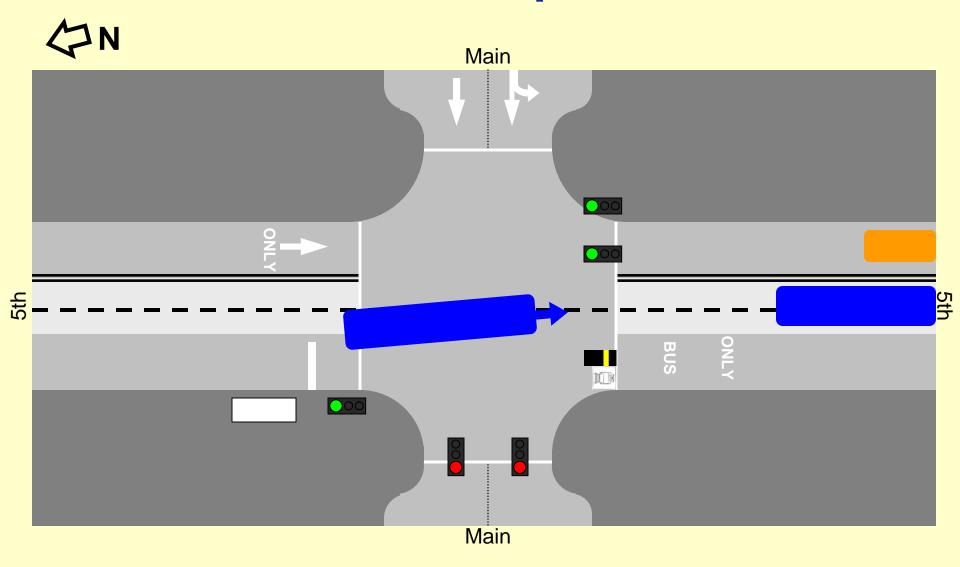






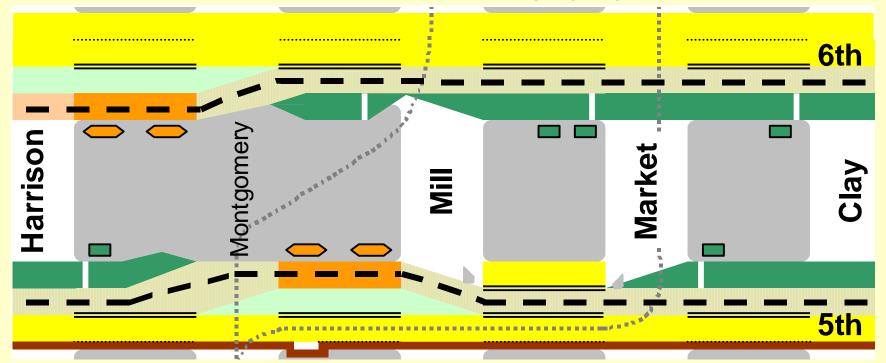


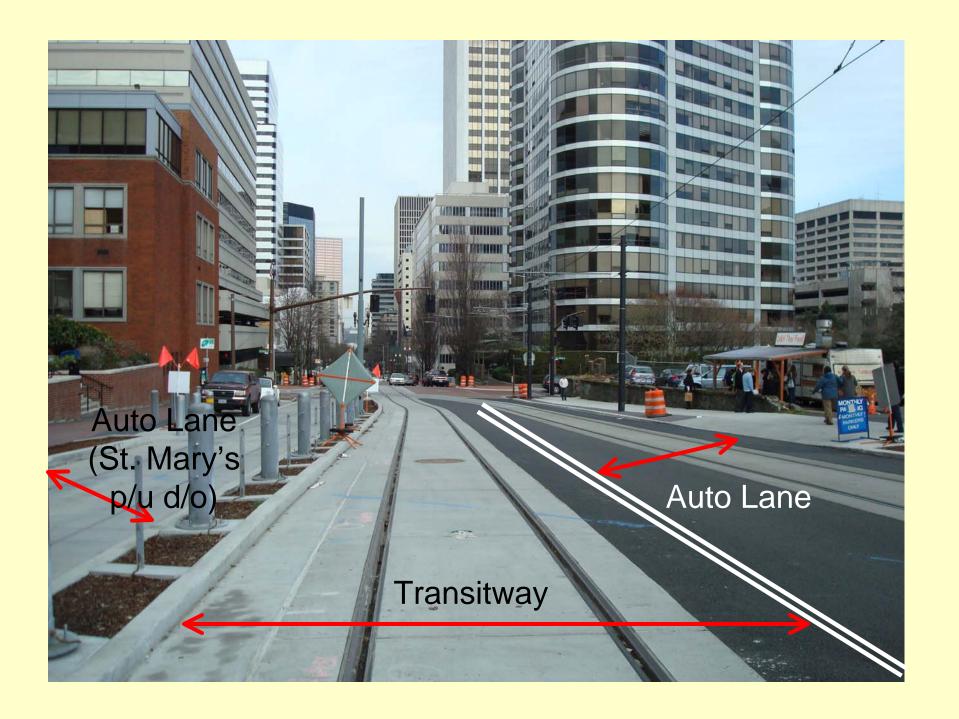


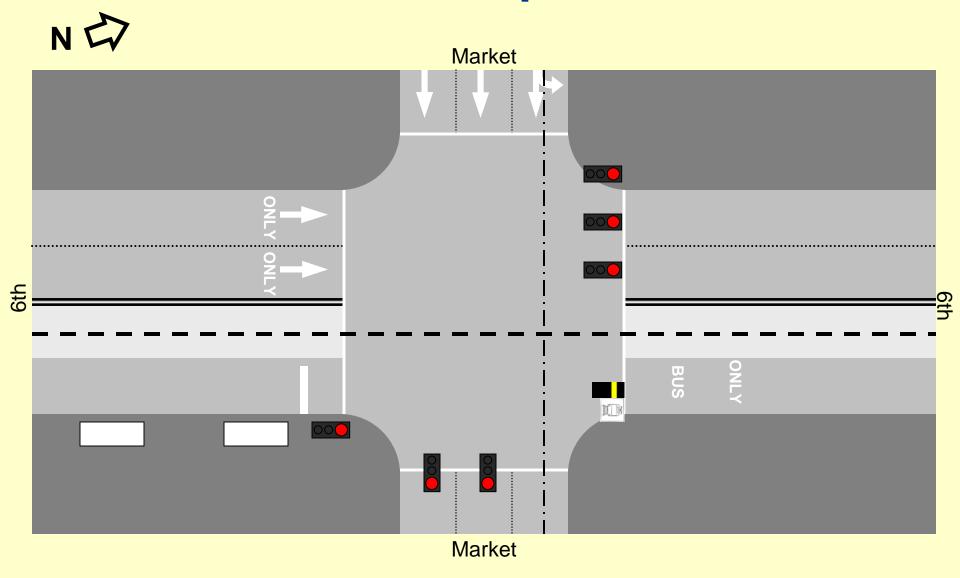


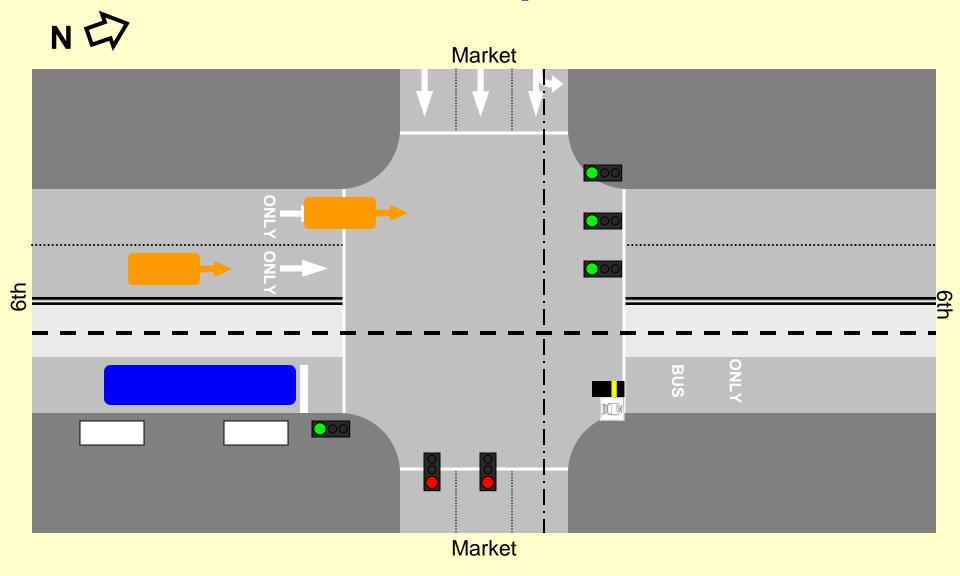
- Auto lane(s) (Streetcar)
- Transitway (bus and MAX)

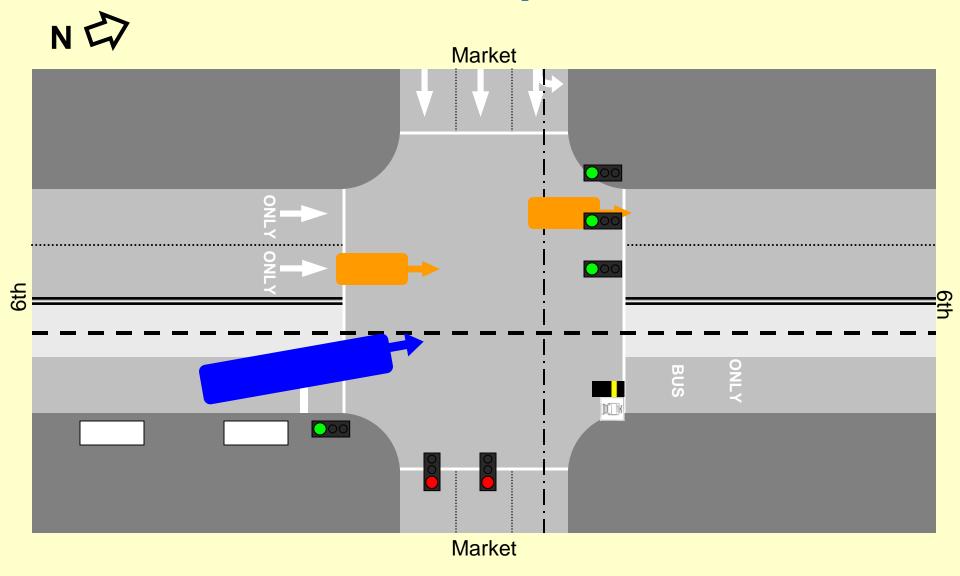
- Service stops (within service lane)
- MAX stations
- Bike lane

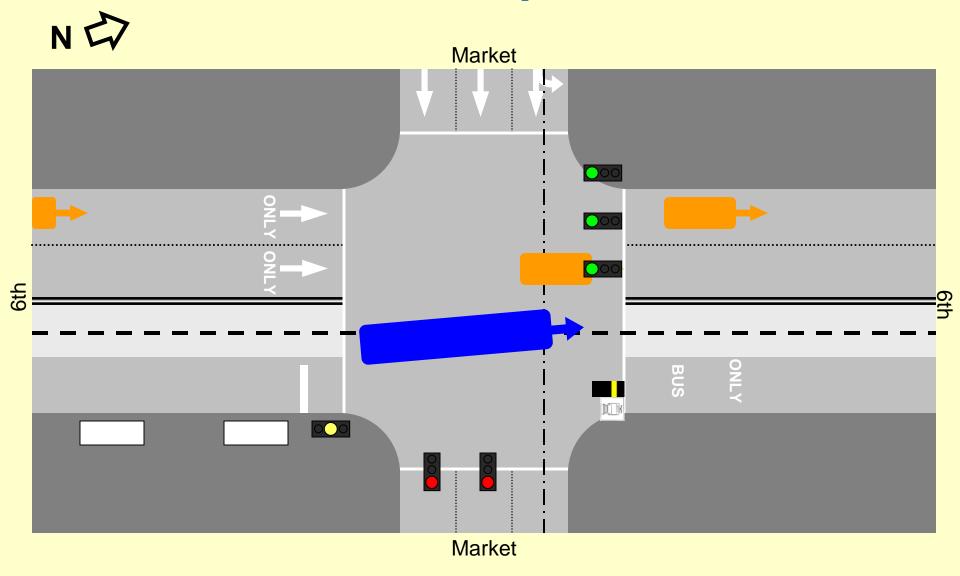


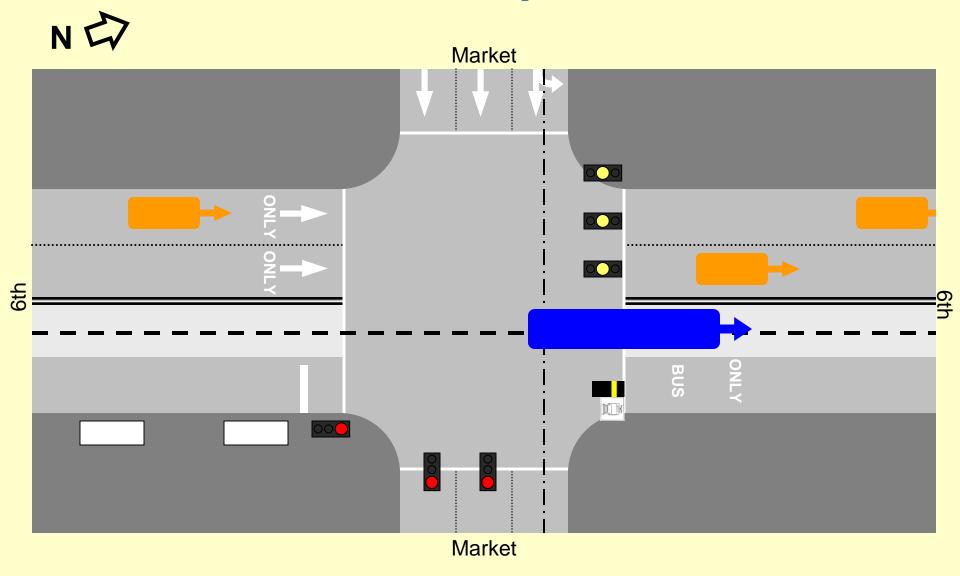


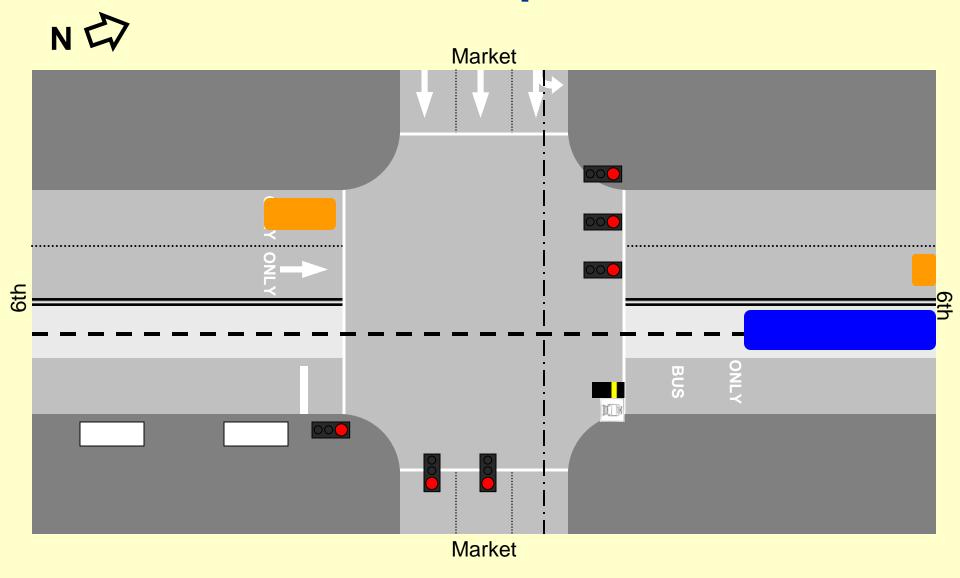


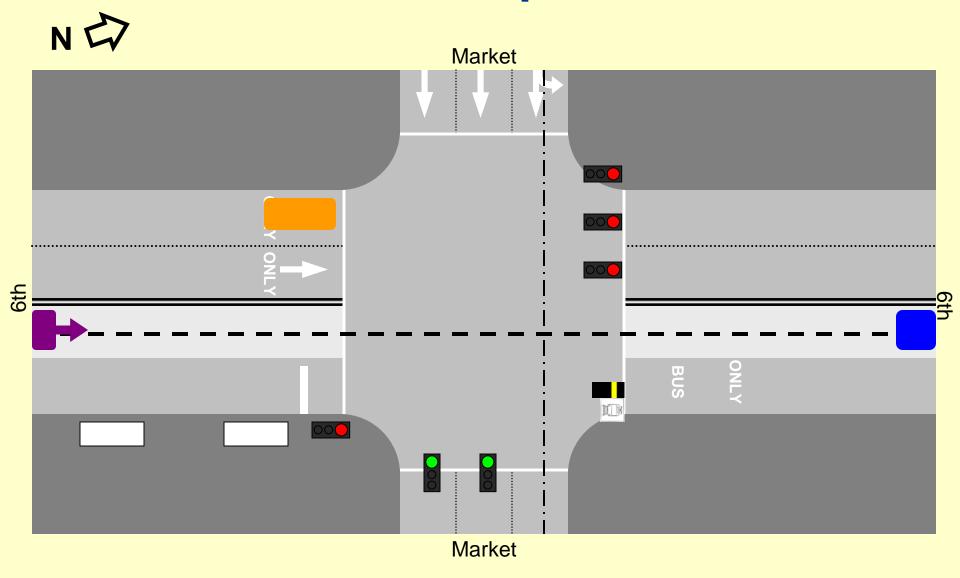


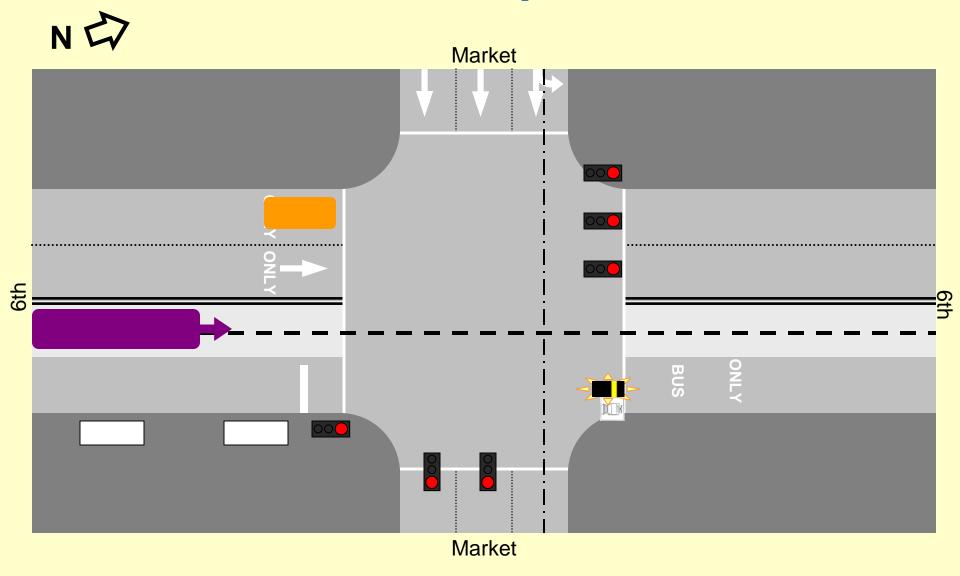


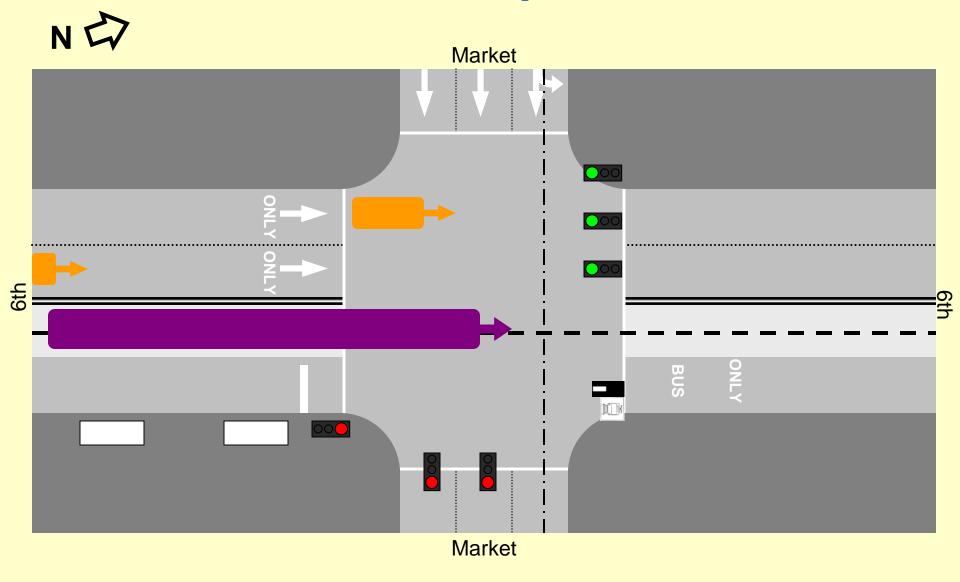


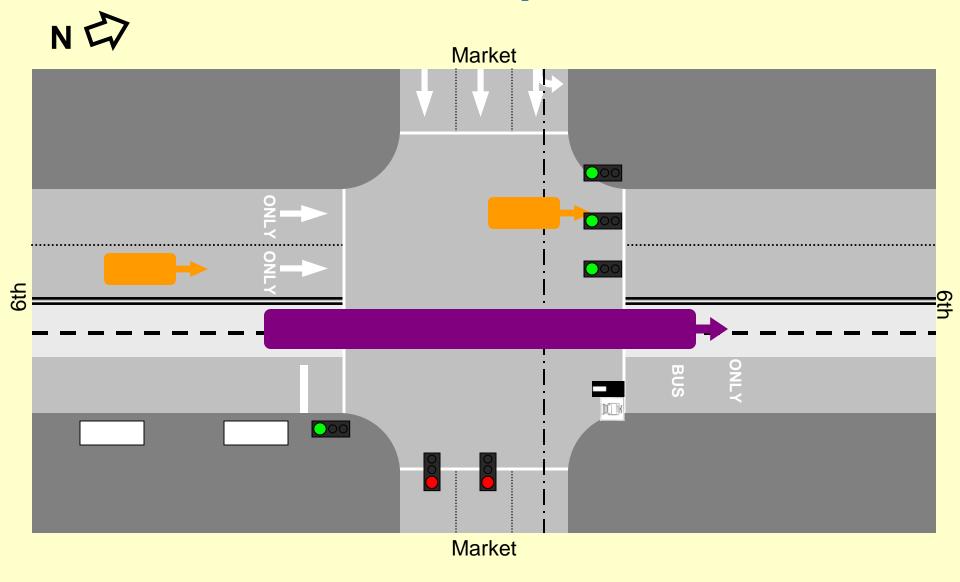


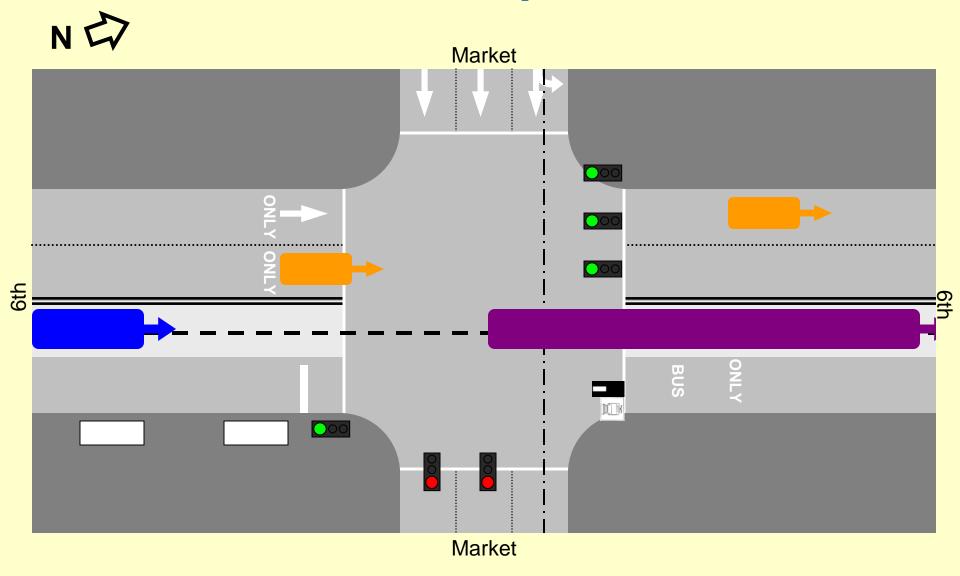


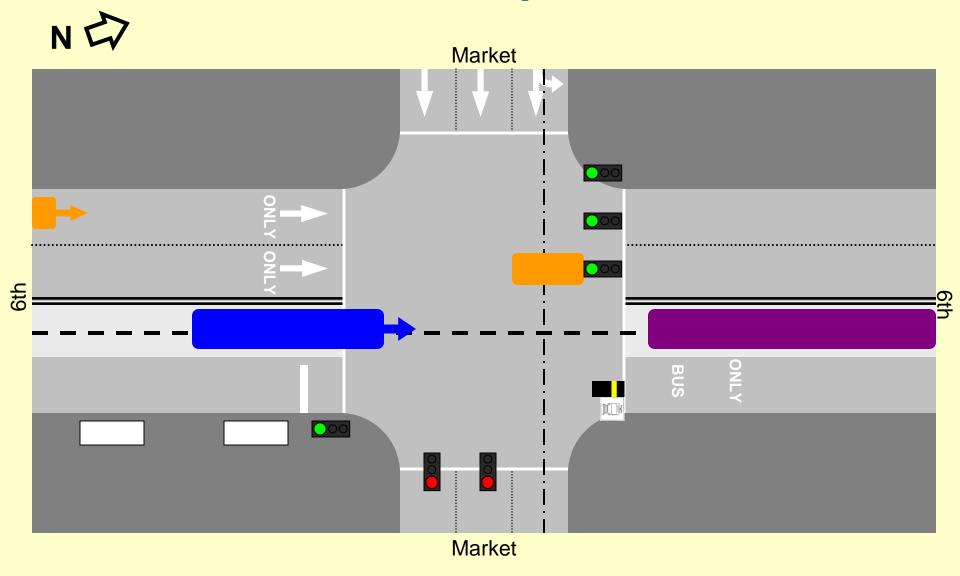


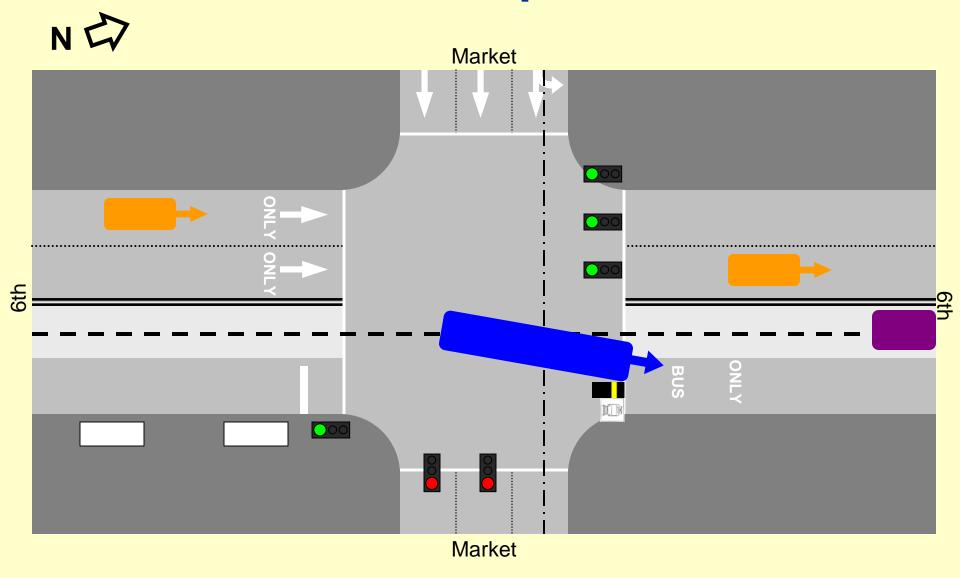


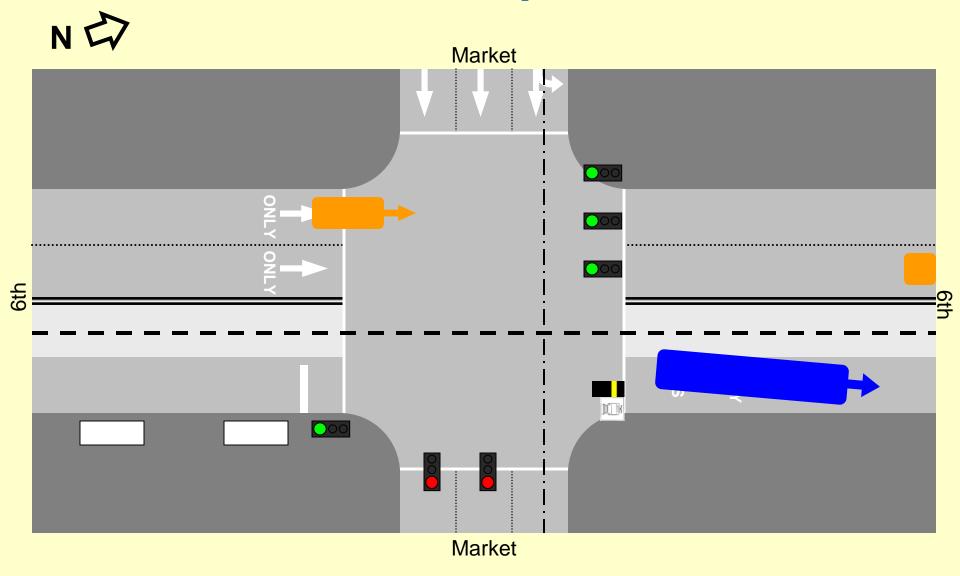


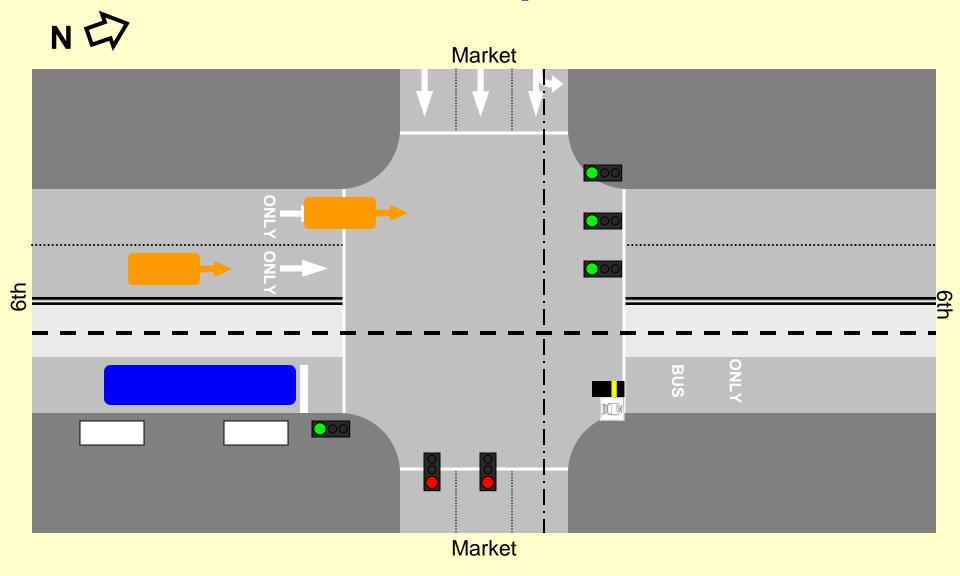


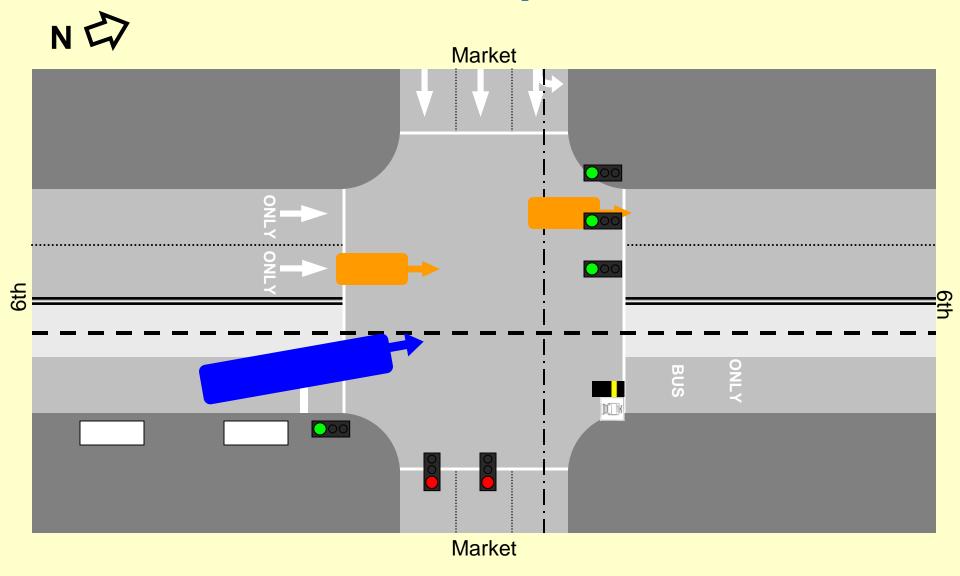


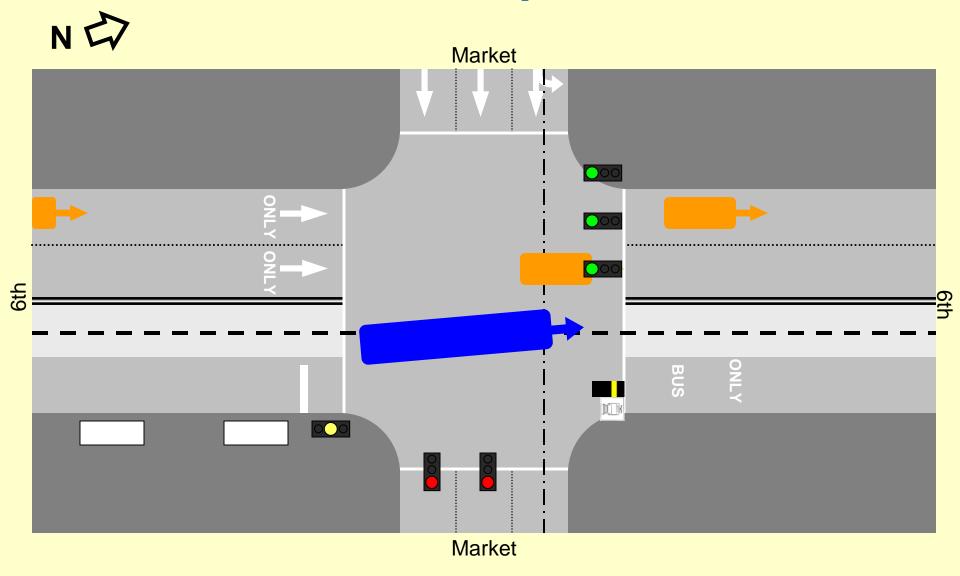


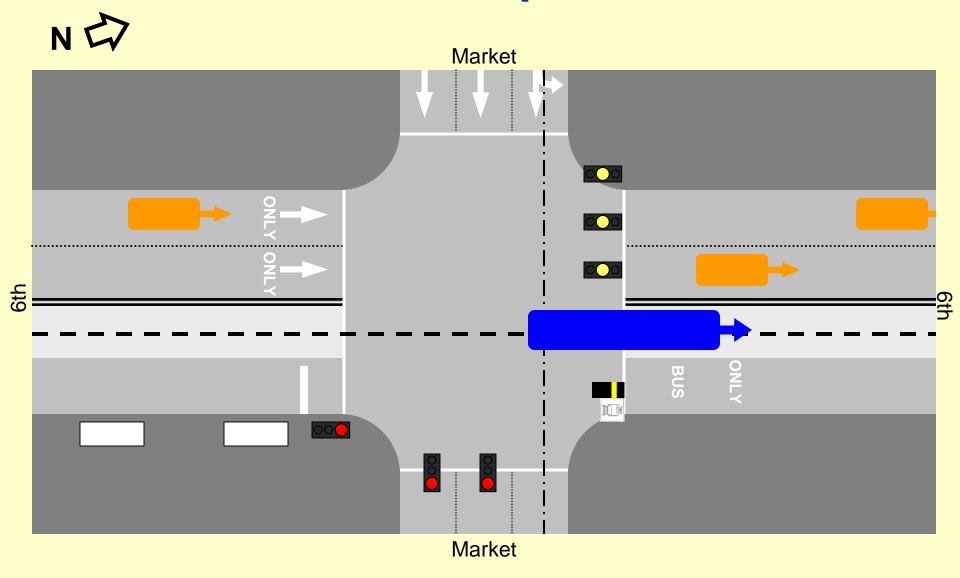


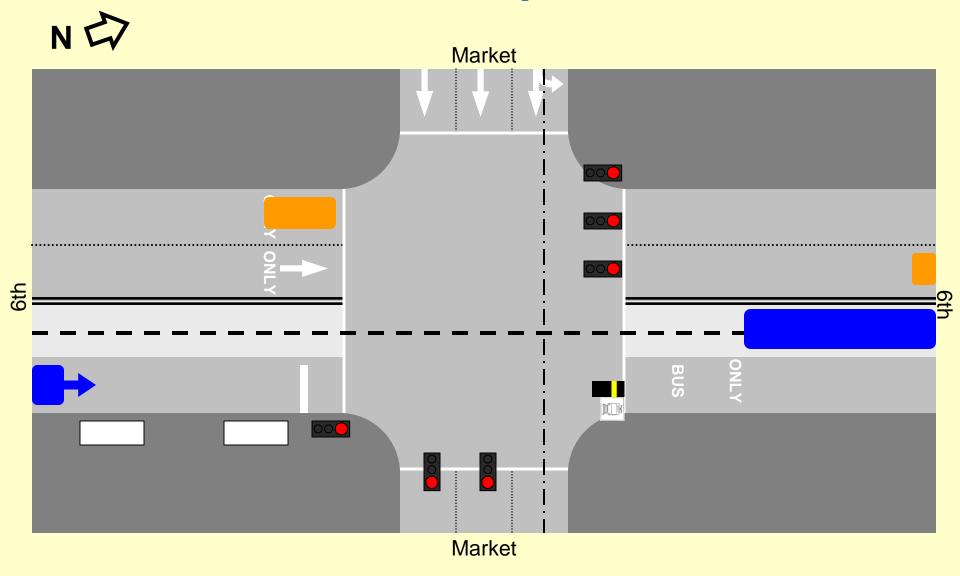


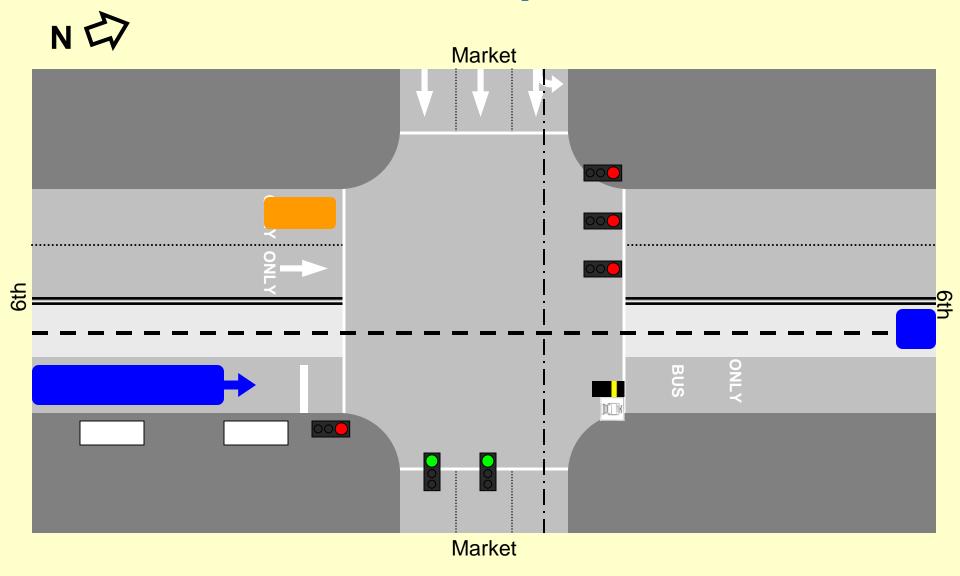


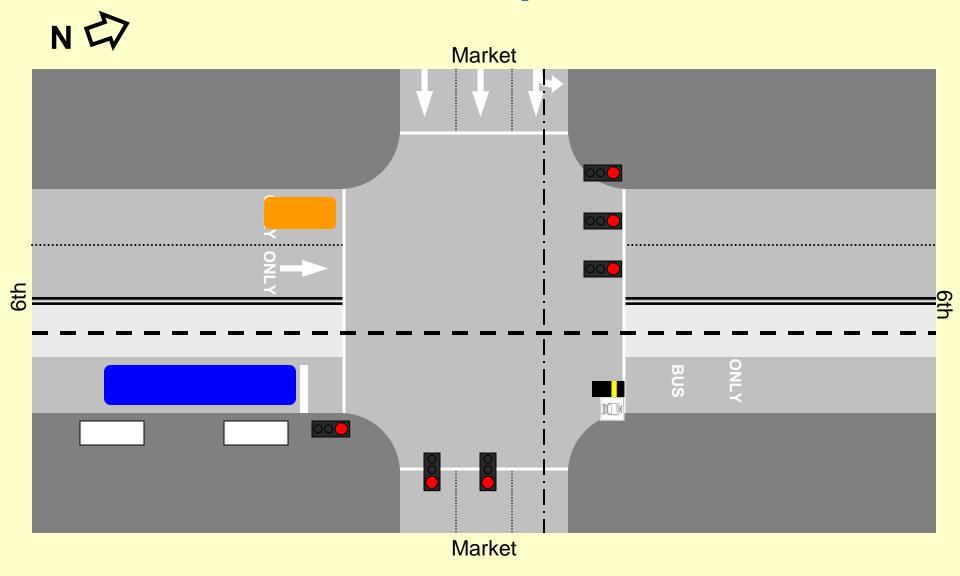


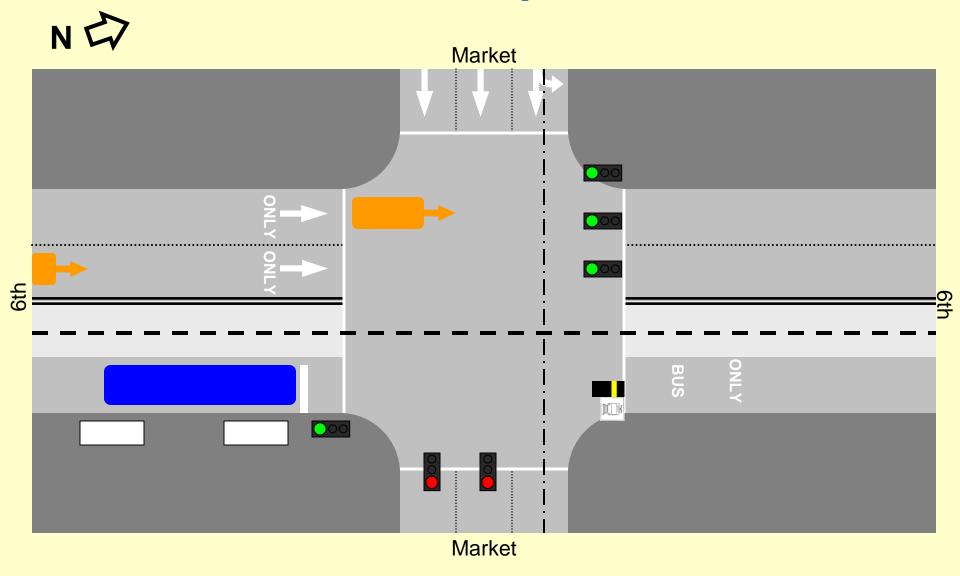


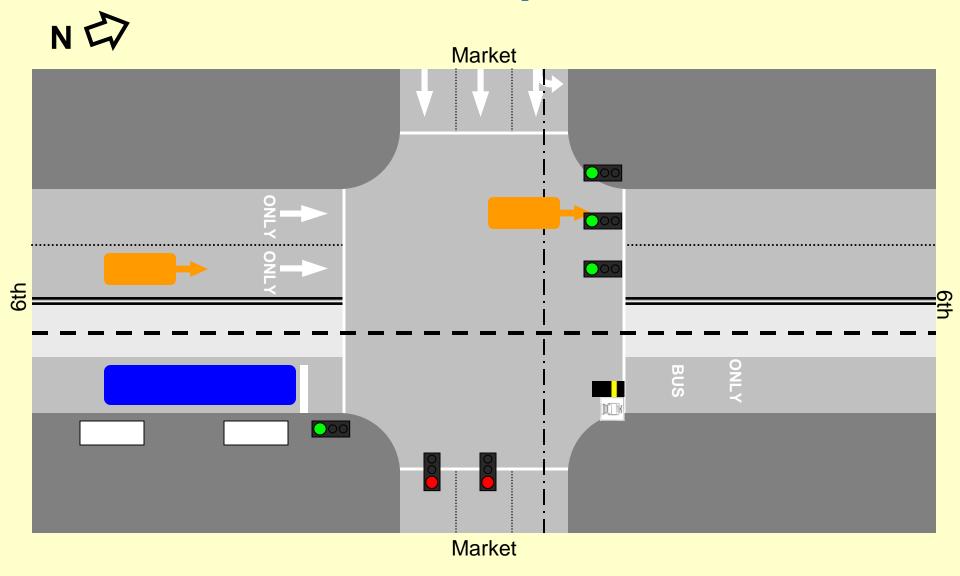


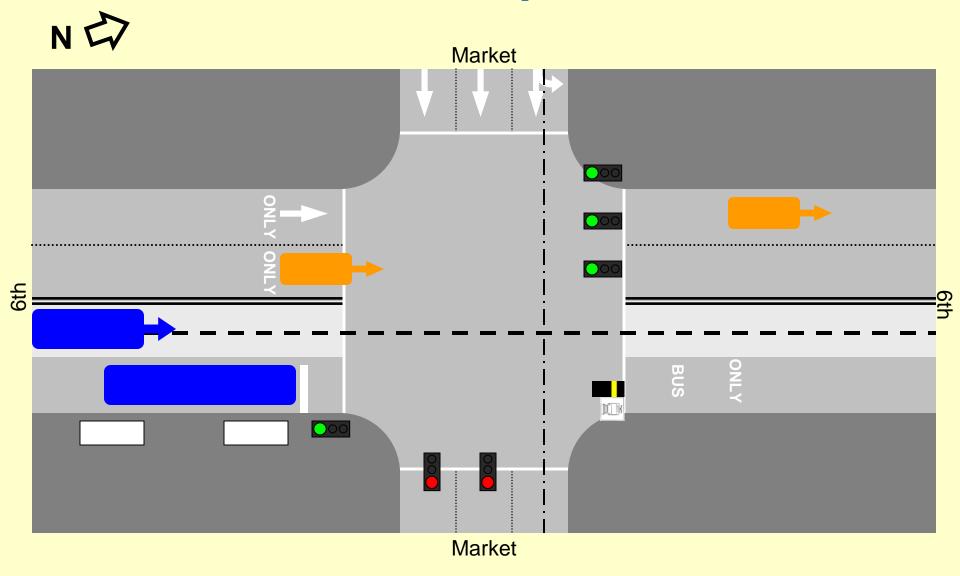


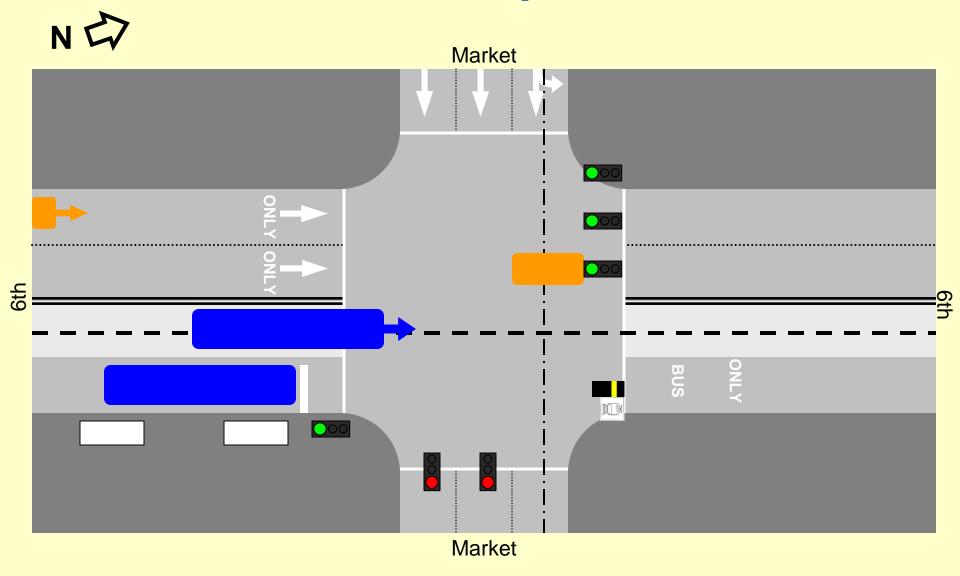


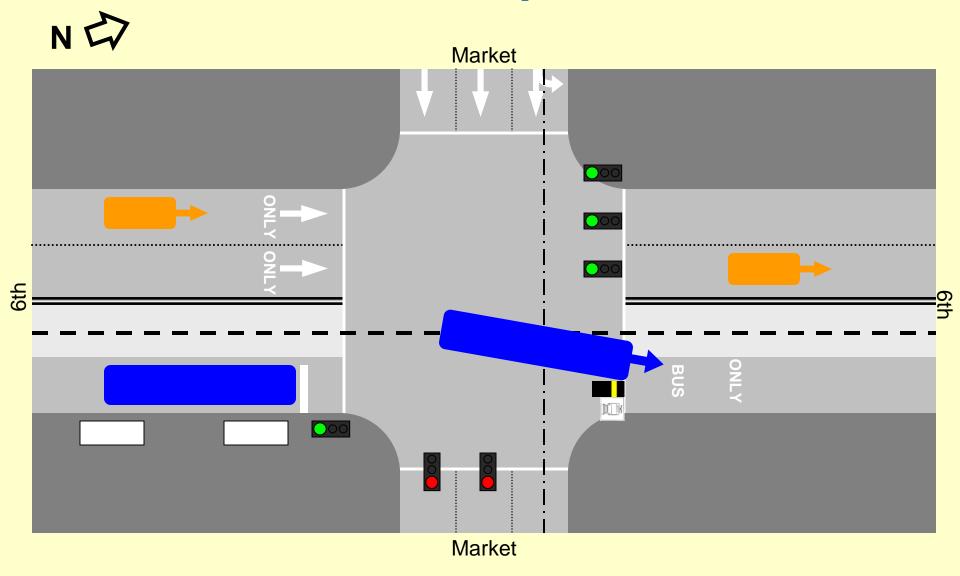


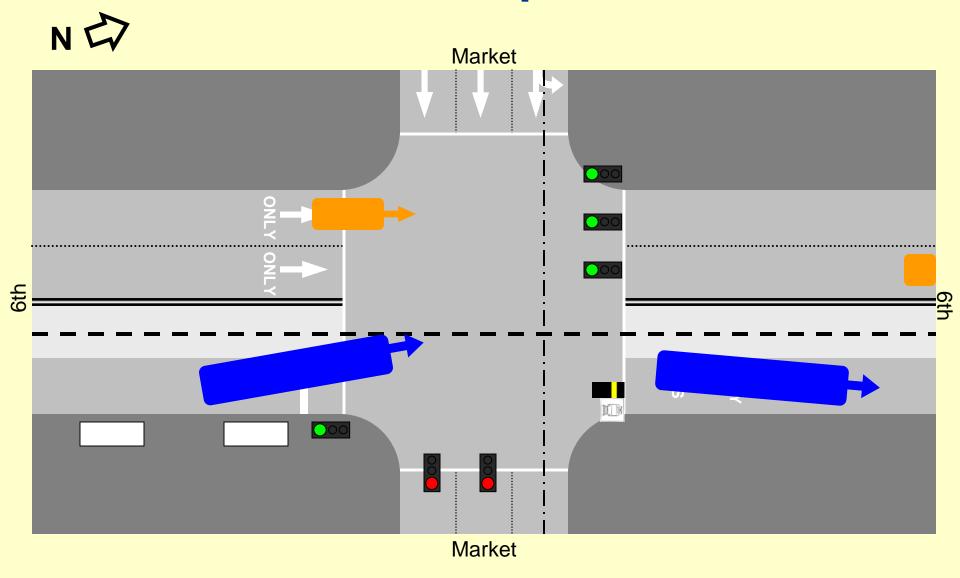




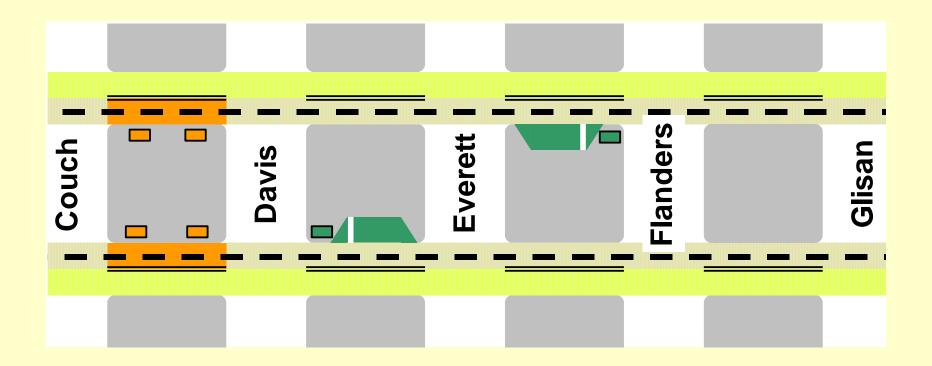






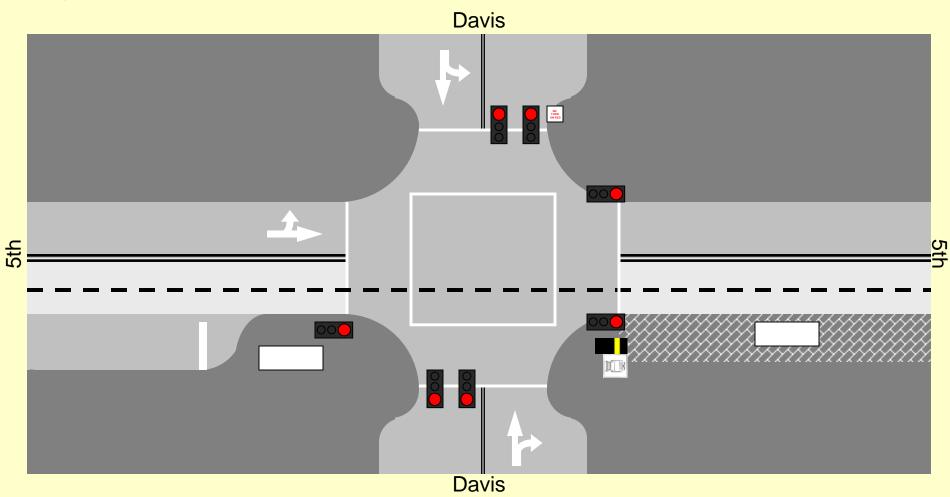


- Auto lane
- Transitway (bus and MAX)
- MAX station in transitway
- Service stop (pullout)

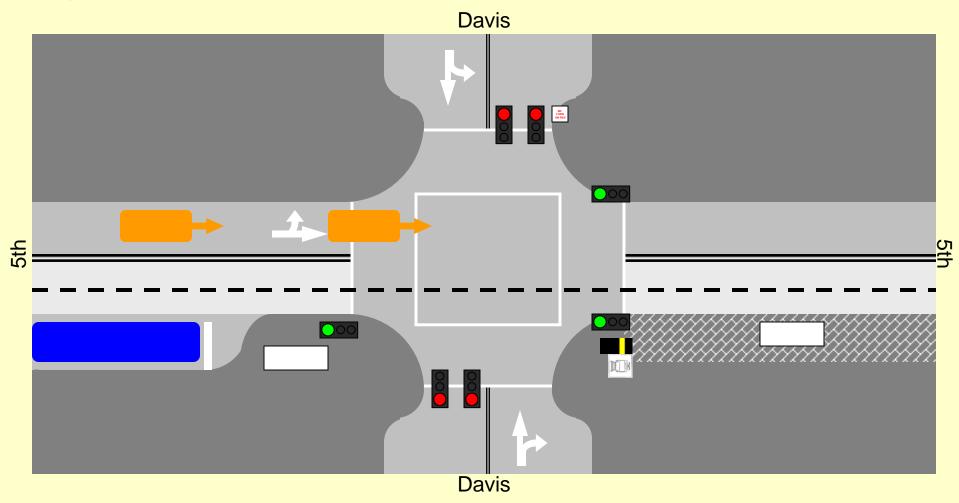




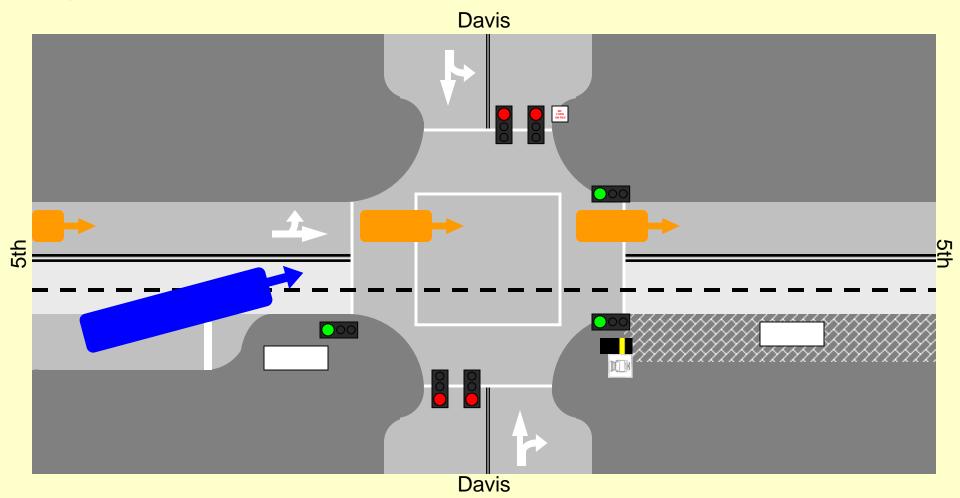




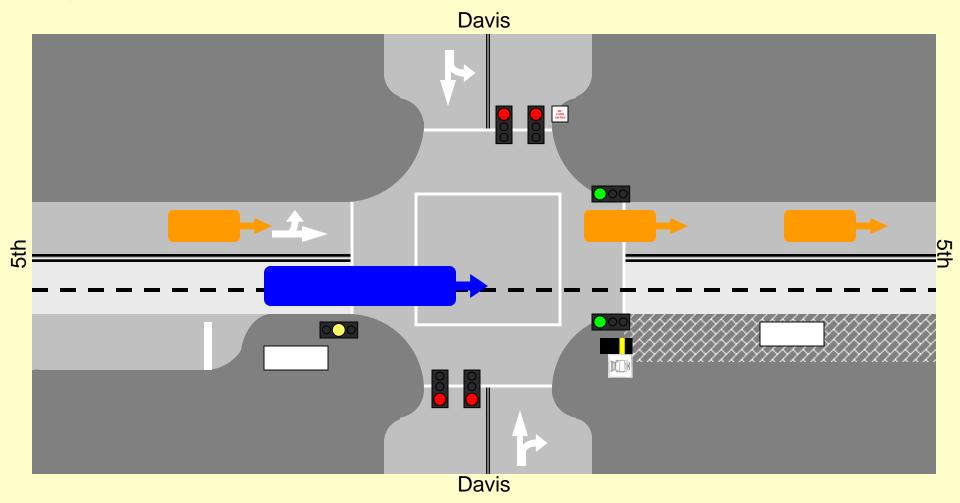




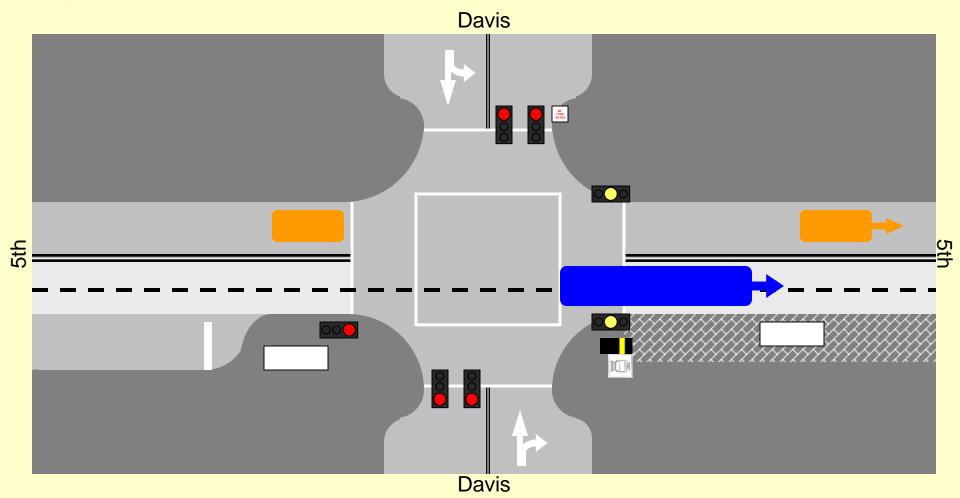




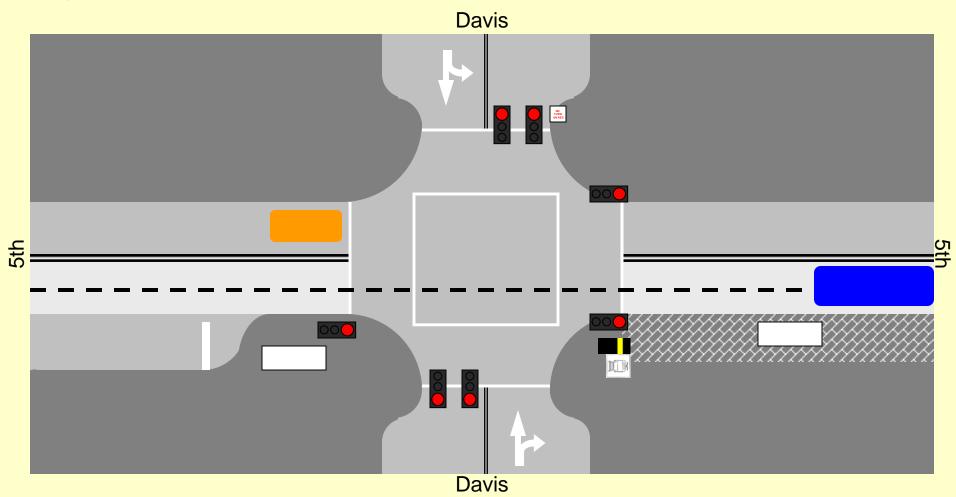




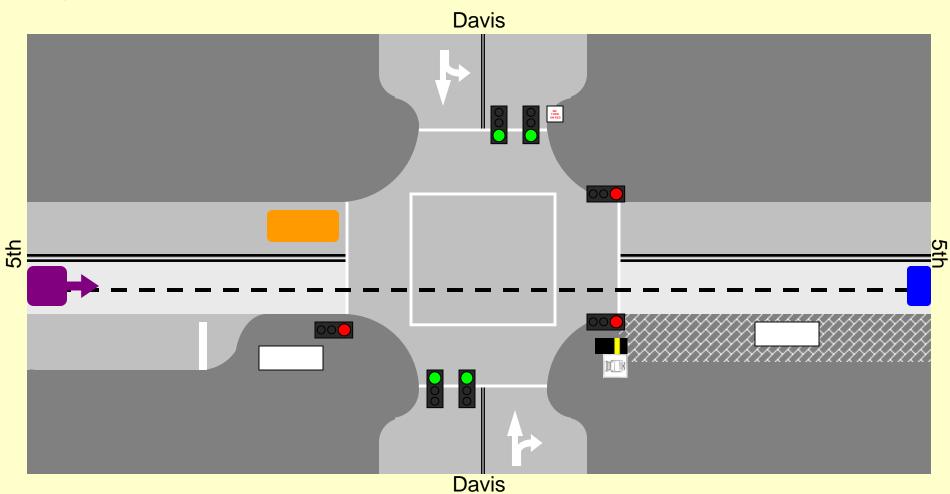




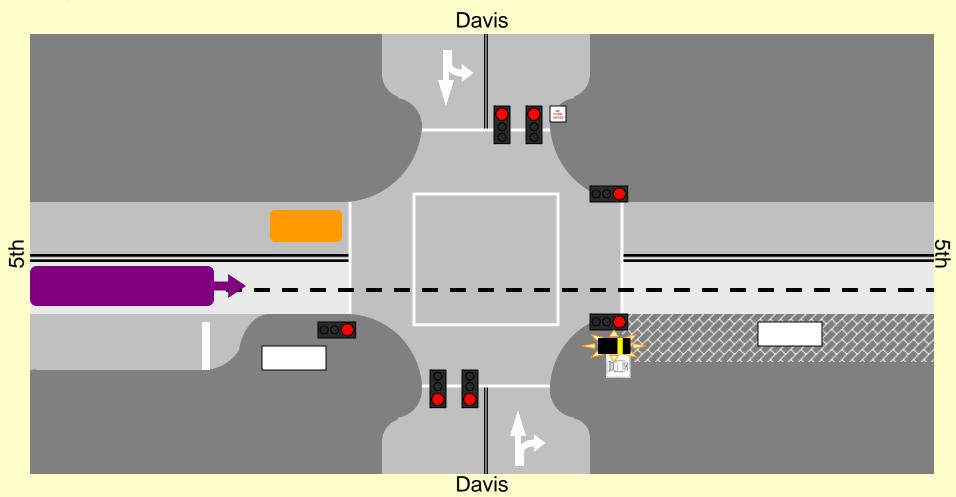




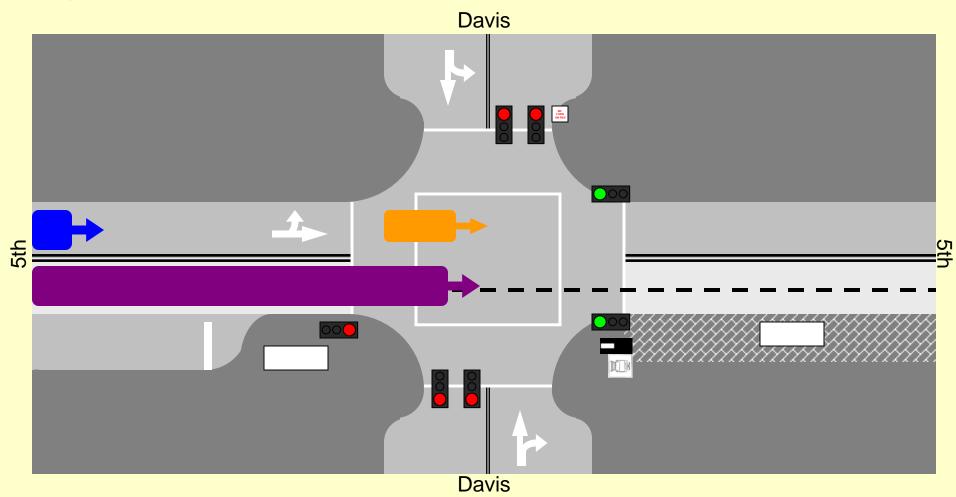




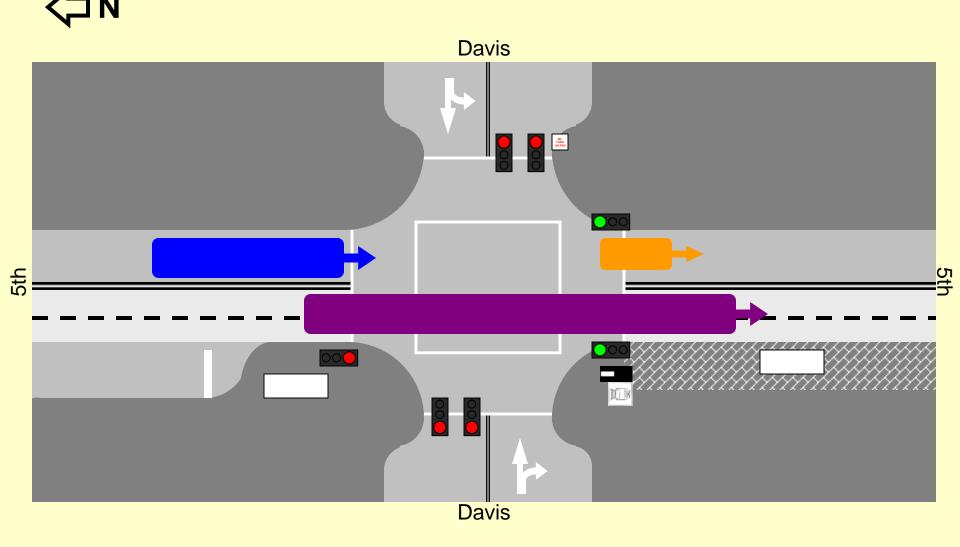




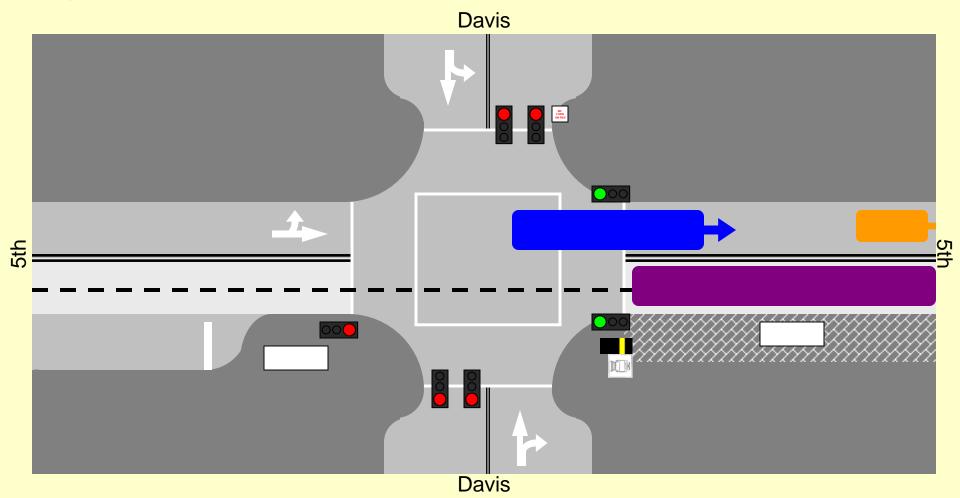




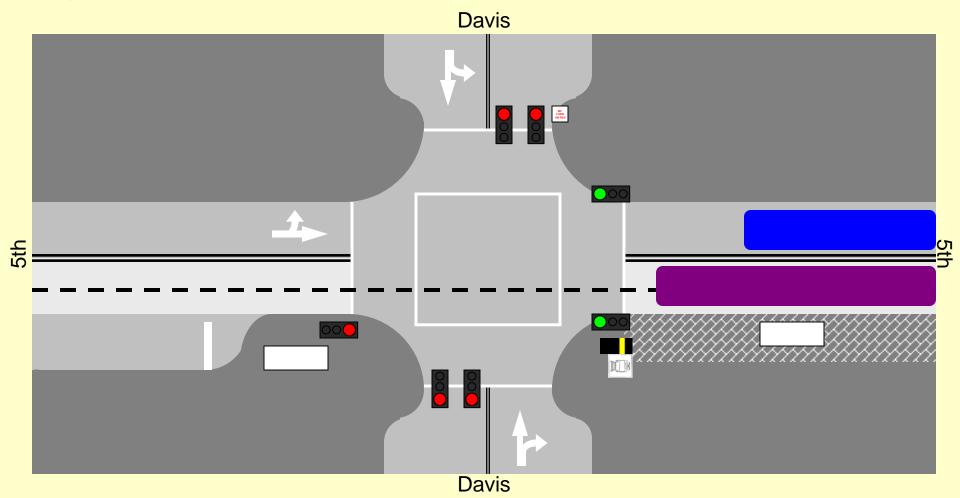




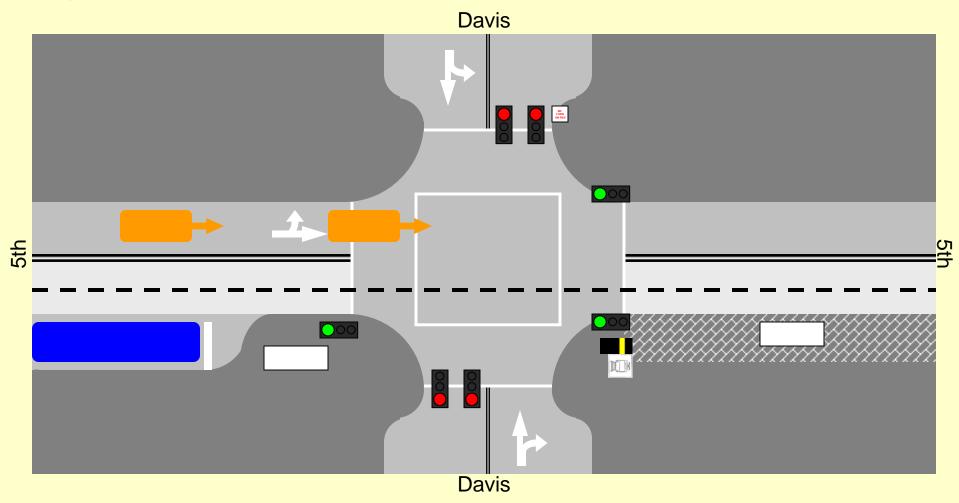




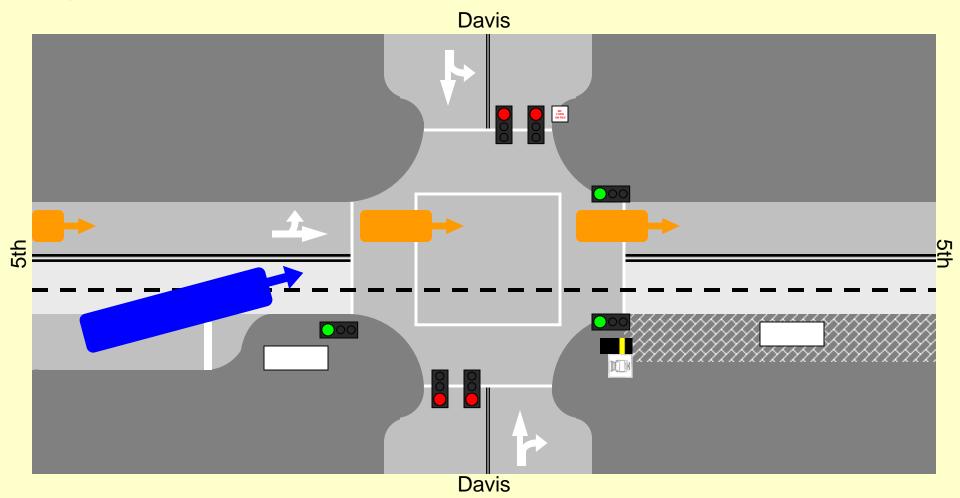




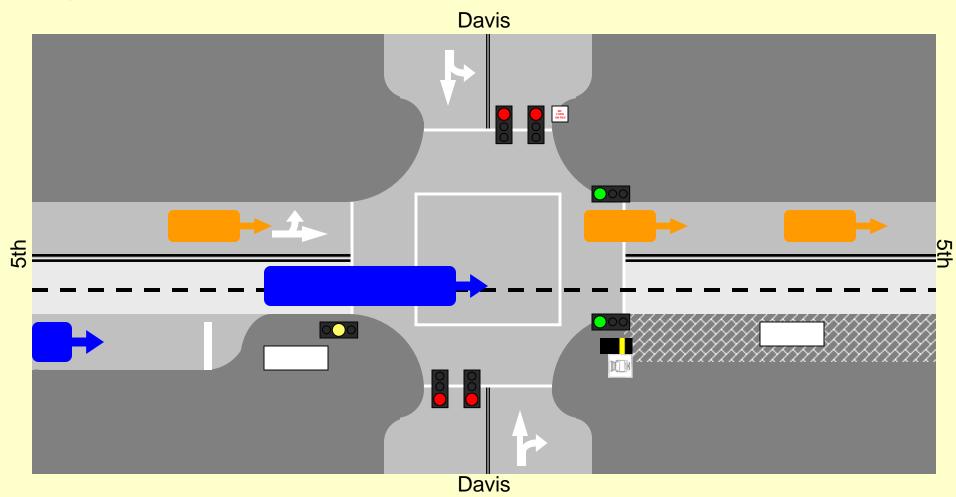




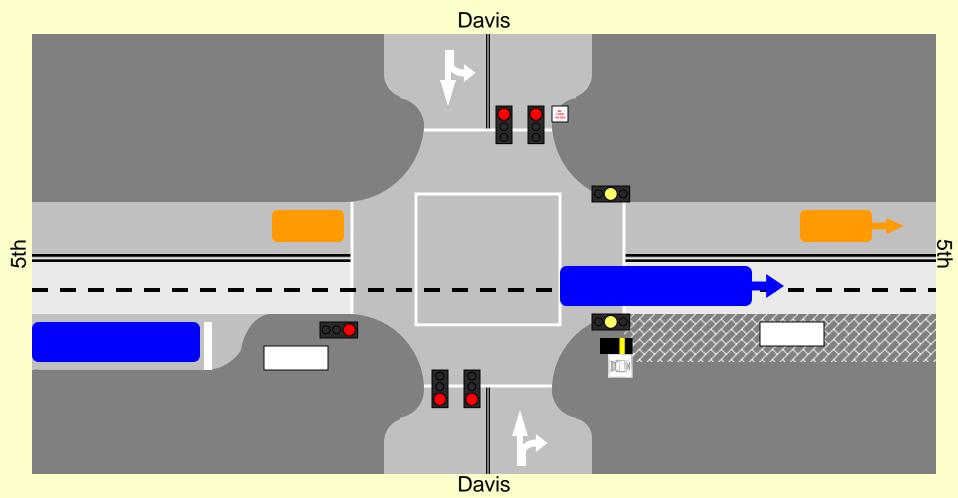




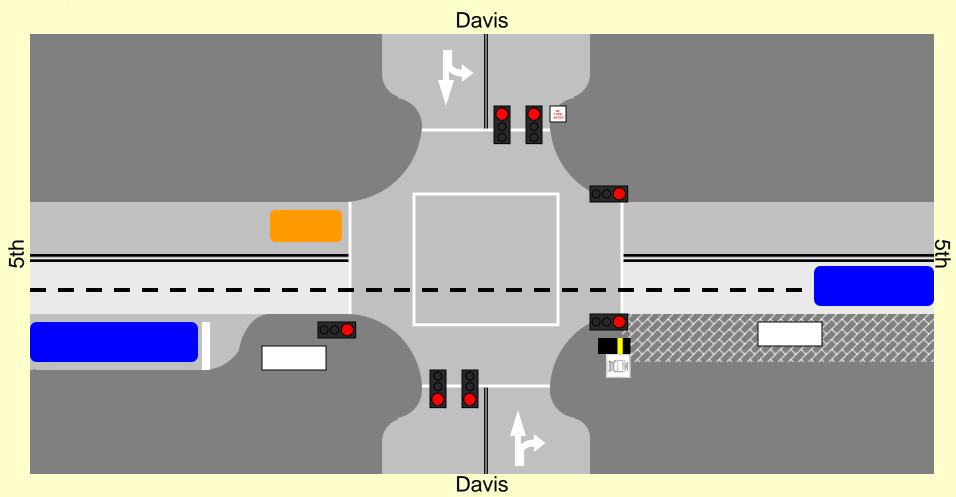




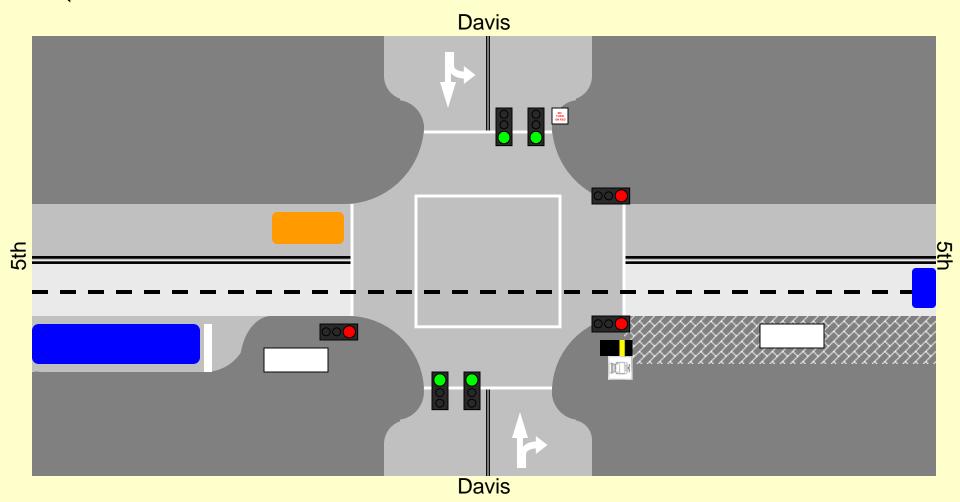




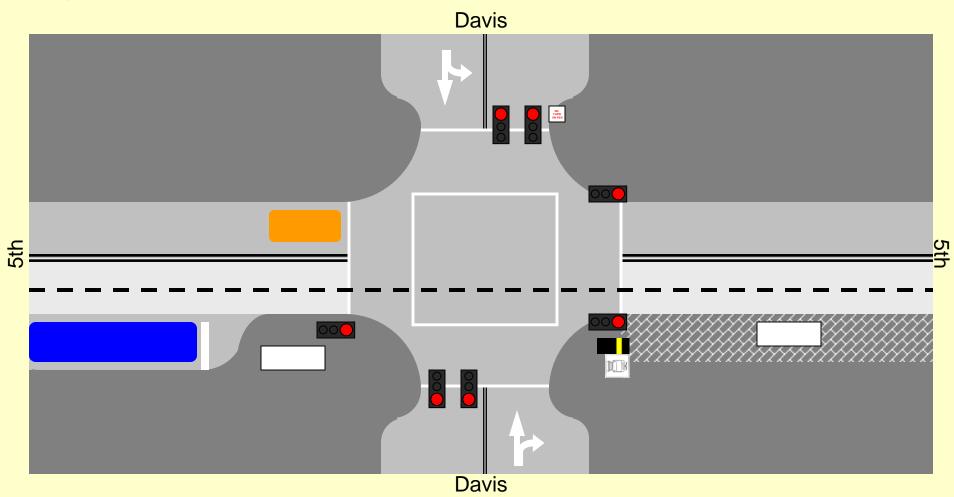




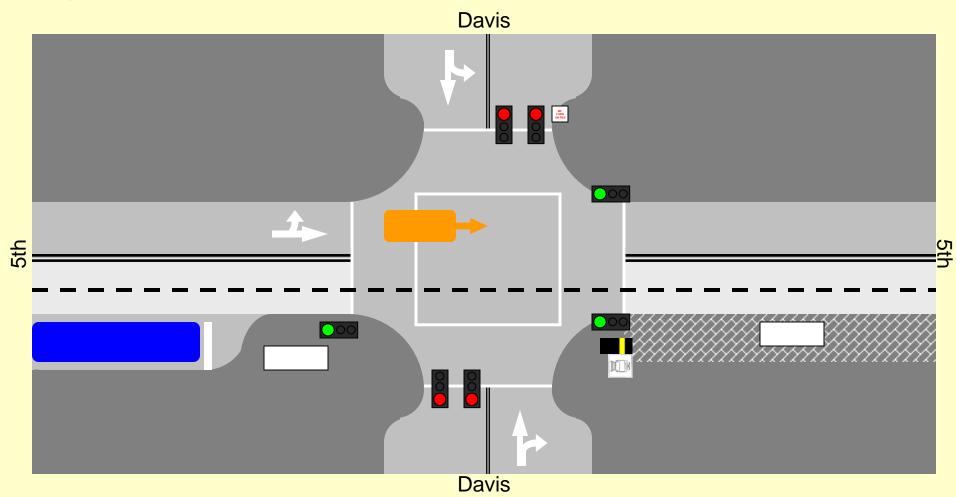




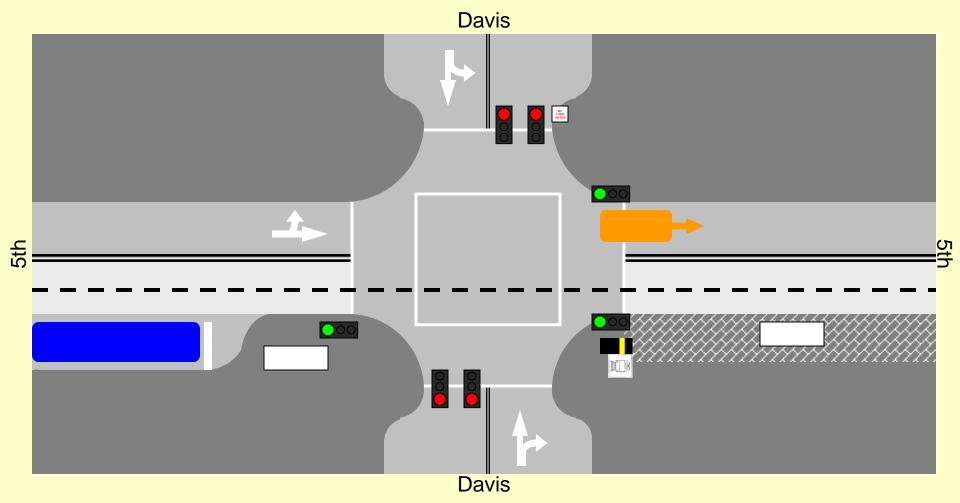




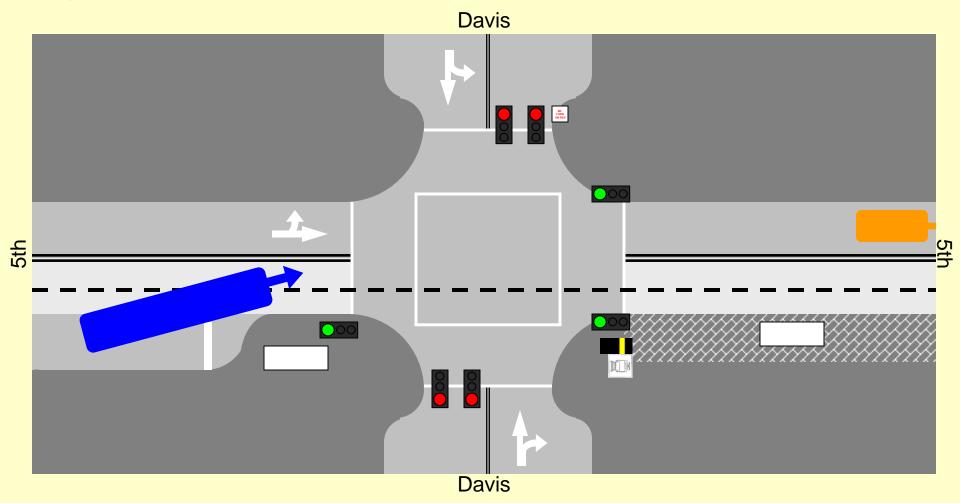




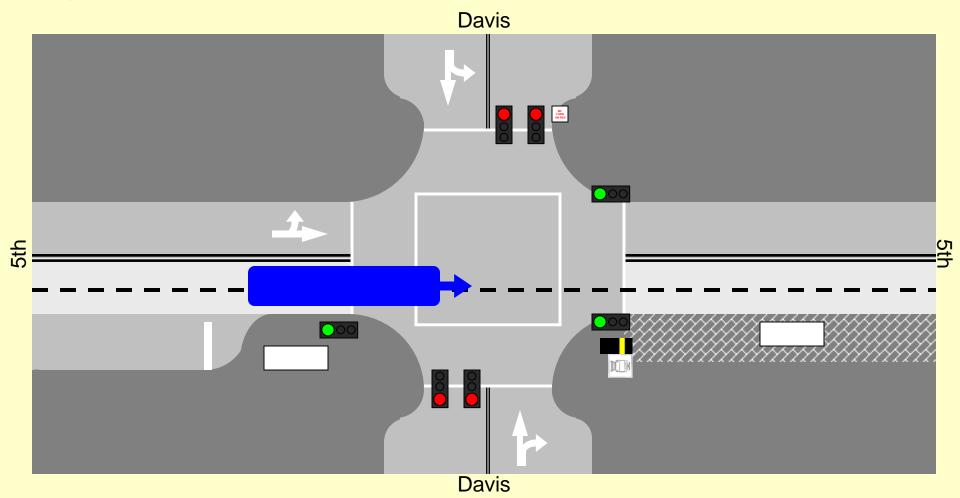












Welcome Back



Your dreams were your ticket out.

Welcome back,
To that same old place that you laughed about.

Well the names have all changed since you hung around, But those dreams have remained and they're turned around.

Who'd have thought they'd lead ya (Who'd have thought they'd lead ya)

Back here where we need ya (Back here where we need ya)