

# BICYCLE INTERSECTION SAFETY TREATMENTS

To enhance safety for people using the new bike lanes on these roads, some changes are proposed at intersections. These changes make sure that the bicycle infrastructure is continuous and that both drivers and bicyclists are aware of locations where they need to be cautious and alert for each other. All things being proposed have been used in many other cities and are based on national guidance.

## BIKE BOX



**PEOPLE BIKING  
QUEUE AHEAD OF  
VEHICLES**

**BOX CAN EXTEND IN  
FRONT OF VEHICLE  
LANE/TURN LANE**



### BENEFITS

**INCREASE VISIBILITY**

**CAN FACILITATE SAFER  
LEFT TURNS**

**REDUCE RIGHT-TURN  
CONFLICTS**

### CHALLENGES

**NO RIGHT TURN ON RED**

## TWO-STAGE LEFT TURN BOX



**PEOPLE BIKING USE  
BOX TO MAKE  
LEFT-TURN IN TWO  
STAGES**

**BOX LOCATION VARIES**



### BENEFITS

**PROVIDES ALTERNATIVE  
ROUTE FOR LEFT TURN  
MOVEMENT**

**CAN BE PREFERABLE TO  
USING VEHICLE LANE OR  
CROSSWALK**

### CHALLENGES

**INCREASED DELAY FOR  
BIKING**

**NO RIGHT TURN ON RED**

## GREEN PAINT



Garbers Church Road  
Harrisonburg

### BENEFITS

**INCREASES THE VISIBILITY  
OF BICYCLISTS**

**WHEN USED IN CONFLICT  
AREAS, RAISES MOTORIST  
AND BICYCLIST AWARENESS  
TO POTENTIAL AREAS  
OF CONFLICT**

**INCREASES BICYCLIST  
COMFORT THROUGH  
CLEARLY DELINEATED  
SPACE**

**COLORED BIKE  
FACILITIES EXAMPLES  
AND INFORMATION**

PROVIDED BY THE NATIONAL ASSOCIATION  
OF CITY TRANSPORTATION OFFICIALS

