

## Signal Warrants Analyzer

First, please make sure each "PICK ONE" & "ENTER A NUMBER" has something selected/entered.

NORTHBOUND APPROACH			
Name:	Bob Griffin Road		
Type:	Minor Approach	1	# of Approach Lanes
Right Turn Type:	Free Right Without Approach Lane	40 or Under	Speed Limit

  

SOUTHBOUND APPROACH			
Name:	Bob Griffin Road		
Type:	Minor Approach	1	# of Approach Lanes
Right Turn Type:	Free Right Without Approach Lane	40 or Under	Speed Limit

  

EASTBOUND APPROACH			
Name:	US Highway 36		
Type:	Major Approach	2	# of Approach Lanes
Right Turn Type:	Free Right with Approach Lane	50	Speed Limit

  

WESTBOUND APPROACH			
Name:	US Highway 36		
Type:	Major Approach	2	# of Approach Lanes
Right Turn Type:	No Right Turns On Red	45	Speed Limit

  

DATA INPUT METHOD:

How Close Do Volumes Need to Be For You to Consider Condition "Close Enough to Meeting"?

**SUMMARY OF ANALYSIS:**  
*Enter Your Conclusions Here*

Location:

**TURN LANE WARRANTS**

APPROACH	Left Turn Lane	Right Turn Lane
Northbound		
Southbound		
Eastbound		
Westbound		

**TRAFFIC SIGNAL WARRANTS**

Warrant 1: 8-Hour Vehicular Volume

Warrant 2: 4-Hour Vehicular Volume

Warrant 3: Peak Hour

Warrant 4: Pedestrian Activity

Warrant 5: School Crossing

Warrant 6: Coordinated System

Warrant 7: Crash Experience

Warrant 8: Roadway Network

Warrant 9: Rail Crossing

Analyzed By:

Date:

**COMMENTS:**

### Description

The signal warrants analyzer is a program that electronically analyzes whether or not an intersection should have auxiliary turn lanes and/or a signal.

### Benefit

In order to determine what the intersection should comprise of, raw data (typically traffic counts) must be compiled and compared to the warrant criteria. This is very time consuming when doing by hand. This program does it instantaneously and generates a presentation with the warrants and graphical data.

### Materials and Labor

There were no material costs and the total amount of time for this innovation took about 3 weeks to program, debug and test.

### For More Information Contact:

Joseph Turner at [Joseph.Turner@modot.mo.gov](mailto:Joseph.Turner@modot.mo.gov) or (816) 387-2439.

Additional information, photos or videos can be seen by accessing Innovations Challenge SharePoint page at: <http://sharepoint/systemdelivery/TP/Documents/InnovationsChallenge.aspx>

