

ORDINANCE NO. 2015-62

TO BE ENTITLED: "AN ORDINANCE TO ESTABLISH A NO RIGHT TURN ON RED REGULATION ON SOUTH ROYAL OAKS BOULEVARD AT THE NORTHBOUND APPROACH TO MURFREESBORO ROAD"

WHEREAS, the intersection of South Royal Oaks Boulevard at Murfreesboro Road has dual northbound protected/permitted signalized right turns; and

WHEREAS, the intersection of North Royal Oaks Boulevard at Murfreesboro Road has dual southbound protected only signalized left turns; and

WHEREAS, Murfreesboro Road east of Royal Oaks Boulevard has insufficient receiving lanes to safely accept the above two turning movements at the same time; and

WHEREAS, the crash rate for the period January 2013 to June 2015 has been found to be 48% above the statewide average for a multi-lane divided signalized turn lane; and

WHEREAS, the right turn on red crashes (8 in 2013, 6 in 2014, 5 in the first half of 2015) exceed the minimum criteria (3 per year) in the Manual on Uniform Traffic Control Devices; and

WHEREAS, capacity analyses have revealed that the impacts of the No Right Turn on Red regulation on the delays and stacking are acceptable for the minimization of the high crash rate.

NOW THEREFORE:

SECTION I: BE IT ORDAINED by the Board of Mayor and Aldermen of the City of Franklin, Tennessee that a NO TURN ON RED regulation be established on South Royal Oaks Boulevard for the northbound approach right turn to Murfreesboro Road. The signs for this regulation are to be mounted as determined by the City Engineer.

SECTION II: BE IT FURTHER ORDAINED by the Board of Mayor and Aldermen of the City of Franklin, Tennessee, that the penalty for failure to obey the provisions of this Ordinance shall be as indicated in the Franklin Municipal Code and/or the Tennessee Code Annotated.

SECTION III: BE IT FINALLY ORDAINED by the Board of Mayor and Aldermen of the City of Franklin, Tennessee, that this Ordinance shall take effect from and after its passage on second and final reading, the health, safety and welfare of the citizens of Franklin requiring it.

ATTEST:

CITY OF FRANKLIN, TENNESSEE

BY: _____
ERIC S. STUCKEY
CITY ADMINISTRATOR

BY: _____
DR. KEN MOORE
MAYOR

Approved as to form by:

Shauna R. Billingsley
City Attorney

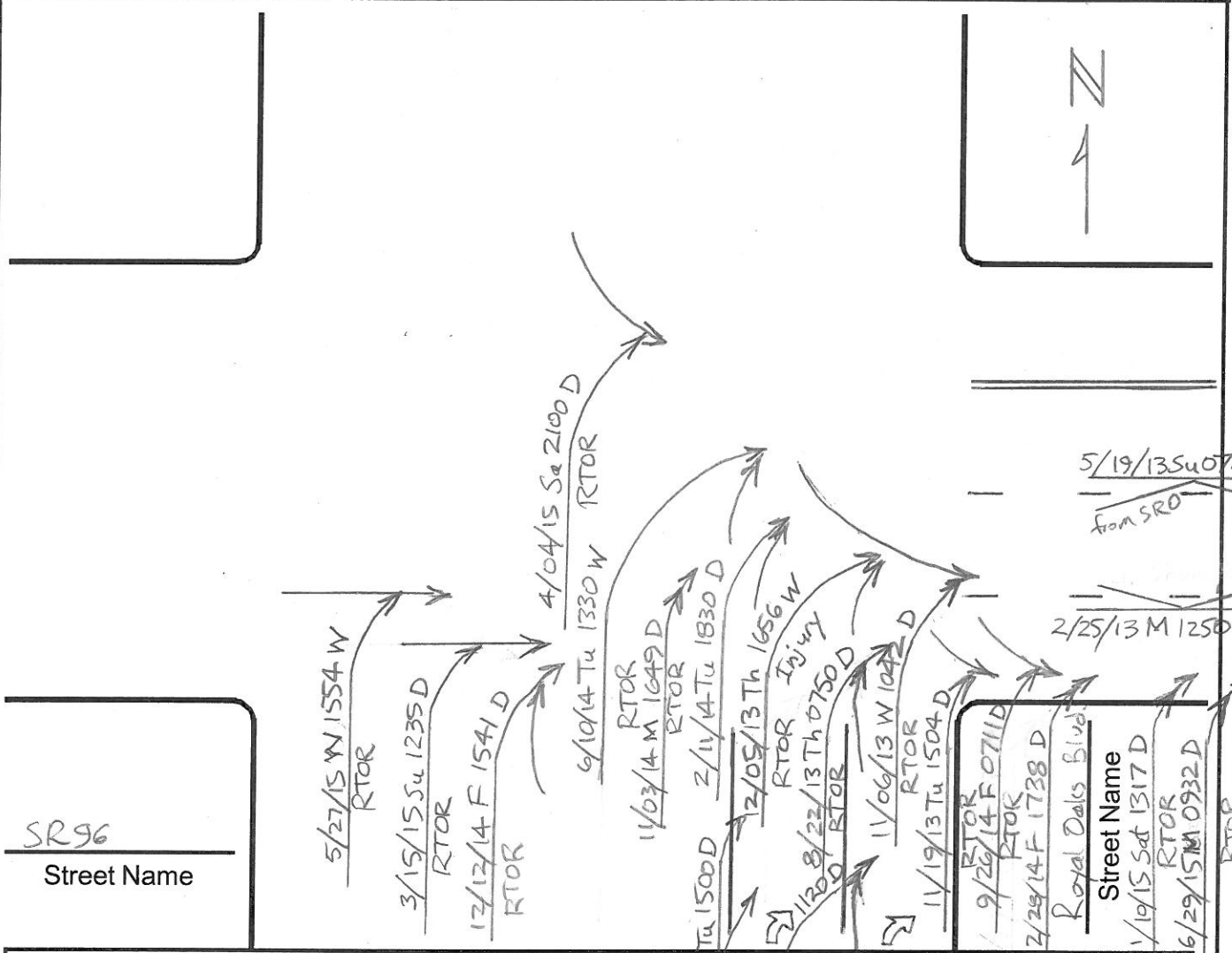
PASSED FIRST READING

PASSED SECOND READING

COLLISION DIAGRAM

LOCATION ID: SR 96 & Royal Oaks Blvd
 COUNTY: Williamson CITY: Franklin
 PERIOD 01/2013 TO 06/2015 PREPARED BY: CBB

2013 - 9 crashes
 2014 - 6 more
 2015 - 5 more
 19 total
 RTOR crashes 13 of 19



COLLISION SYMBOLS		CONDITION CODES	
	VEHICLE PATH		REAR-END COLLISION
	BACKING VEHICLE		HEAD-ON COLLISION
	NON-INVOLVED VEH.		SIDE SWIPE
	PEDESTRIAN PATH		OUT OF CONTROL
	FIXED OBJECT		OVERTURNED VEHICLE
	PARKED VEHICLE		LEFT TURN COLLISION
	PERSONAL INJURY		RIGHT ANGLE COLLISION
	FATALITY		
			PAVEMENT CONDITION: D = DRY W=WET I=ICY
			WEATHER CONDITION: C=CLEAR R=RAIN F=FOG S=SNOW
			LIGHT CONDITION: L=DAYLIGHT N=NIGHT (DARK)
			TIME OF DAY (MILITARY)

CRASH SUMMARY				
	PROP. DMG ONLY	INJURY	FATAL	TOTAL
DAYTIME	16	1		17
NIGHTTIME	2			2
TOTAL	18	1		19

$$\begin{matrix} \text{AM} & \text{MD} & \text{PM} \\ 1049 & + & 740 & + & 921 & = & 2709 \\ & & & & & & \times & 4 \\ & & & & & & \hline & & & & & & 10,836 \text{ ADT} \end{matrix}$$

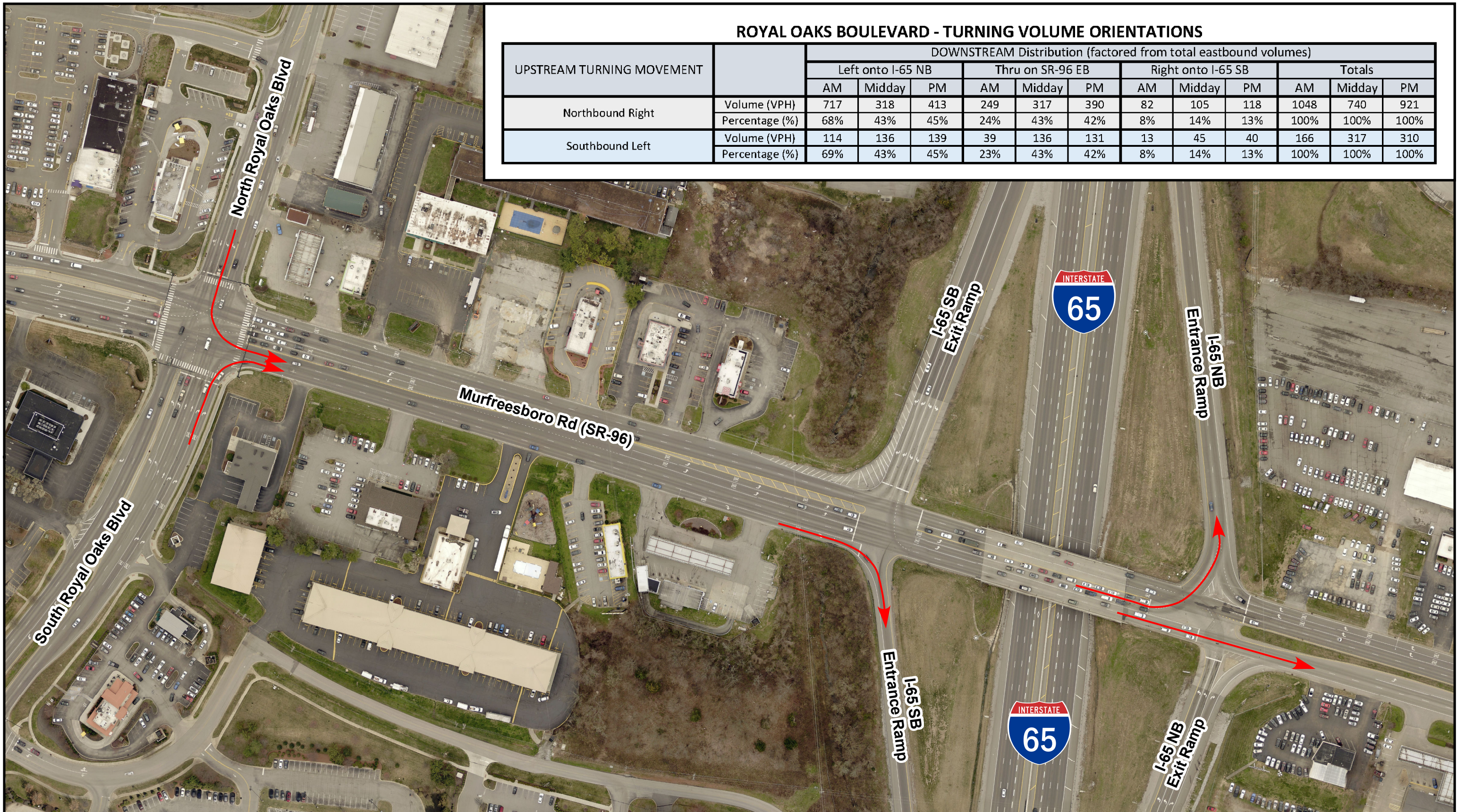
rate = $13 \div 9.888 = 1.31$

MEV = 9.338

Compare to 0.99 for Urban Multi Lane Divided Signalized Turn Lane Rate is 48% above statewide average.

ROYAL OAKS BOULEVARD - TURNING VOLUME ORIENTATIONS

UPSTREAM TURNING MOVEMENT		DOWNSTREAM Distribution (factored from total eastbound volumes)											
		Left onto I-65 NB			Thru on SR-96 EB			Right onto I-65 SB			Totals		
		AM	Midday	PM	AM	Midday	PM	AM	Midday	PM	AM	Midday	PM
Northbound Right	Volume (VPH)	717	318	413	249	317	390	82	105	118	1048	740	921
	Percentage (%)	68%	43%	45%	24%	43%	42%	8%	14%	13%	100%	100%	100%
Southbound Left	Volume (VPH)	114	136	139	39	136	131	13	45	40	166	317	310
	Percentage (%)	69%	43%	45%	23%	43%	42%	8%	14%	13%	100%	100%	100%



1 inch = 150 feet



LOCATION MAP

ROYAL OAKS BOULEVARD TURNING MOVEMENTS

DISCLAIMER

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