Notes on Terry Brown Signal Warrant Analysis 12-11-24

Peak hour warrant not met based on:

Fast food, Sit-down restaurant, Restaurant, Fast food, fast food and credit union

2025 existing counts on St: Joseph from Study: EBT 761 WBT 181=942

Notes:

MUTCD:

 **Warrant 3** Peak hour: “This warrant should be applied only in unusual cases, such as office complexes, manufacturing plants, industrial complexes or facilities that attract or discharge large numbers of vehicles over a short time. **Not sure if this is proper**

A1: stopped time equals 5 vehicle hours

A2: one direction minor approach 150 vehicles/hour

And

A3: 800 vehicles /hour entering the intersection

Or

B: for 900 VPH on St JO need 425 VPH on mMinor

**Warrant 1**: Eight-hour vehicular Volume: To be used where a large volume of intersecting traffic is the principal reason to consider installing a traffic control signal. **Seems like a better warrant**

942 Trips on Major meets condition A and B

For Condition A: need 200 trips on minor

For Condition B: need 100 trips on minor

**Warrant 2**: 4 hour warrant: similar language as the 8-hour warrant

900 VPH on Major and 240 VPH on Minor