



**MIAMI VALLEY**  
Regional Planning Commission

# **AADT Comparison – Streetlight Data**

September 2017

# Preliminary Analysis

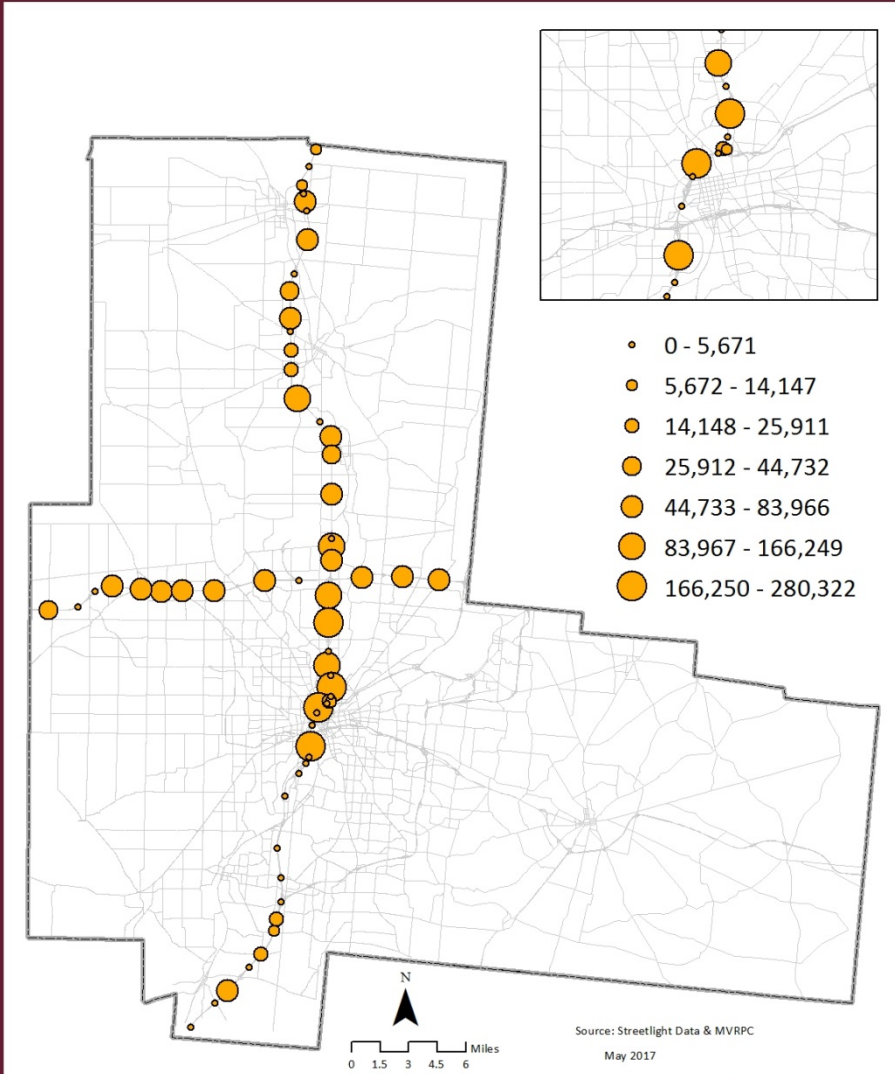
Zone Name	Zone Is Pass-Through	Zone Direction (degrees)	Day Type	Day Part	Estimated 2016 AADT	2017 MVRPC / ODOT Count
First St Bridge	yes	N/A	0: Average Day (M-Su)	0: All Day (12am-12am)	7,851	9,400
I-75 N of US 35	yes	N/A	0: Average Day (M-Su)	0: All Day (12am-12am)	174,789	123,500
Monument Ave Bridge	yes	N/A	0: Average Day (M-Su)	0: All Day (12am-12am)	3,407	2,400
Third St Bridge	yes	N/A	0: Average Day (M-Su)	0: All Day (12am-12am)	12,533	11,700

# Streetlight Data Analysis Process

- Obtained mid-points of network road segments
- Placed a polygon buffer around each point
  - Freeways : 70 - 85 feet
  - All Others : 40 feet
- No other refinement
- Uploaded as shapefile to Streetlight and ran project analytics to obtain 2016 ADT estimates
- All zones were pass-through and direction field was blank



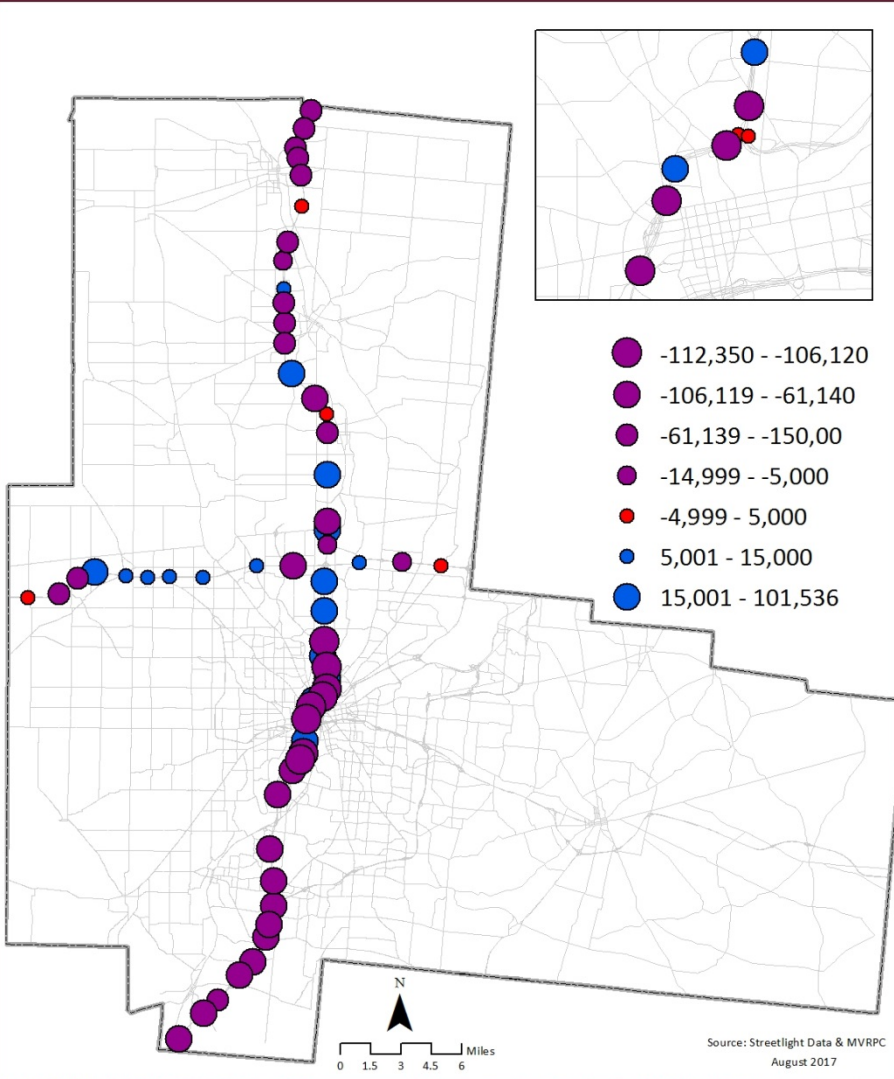
MVRPC



# 2016 ADT Estimate from Streetlight Data: I-70 and I-75



MVRPC

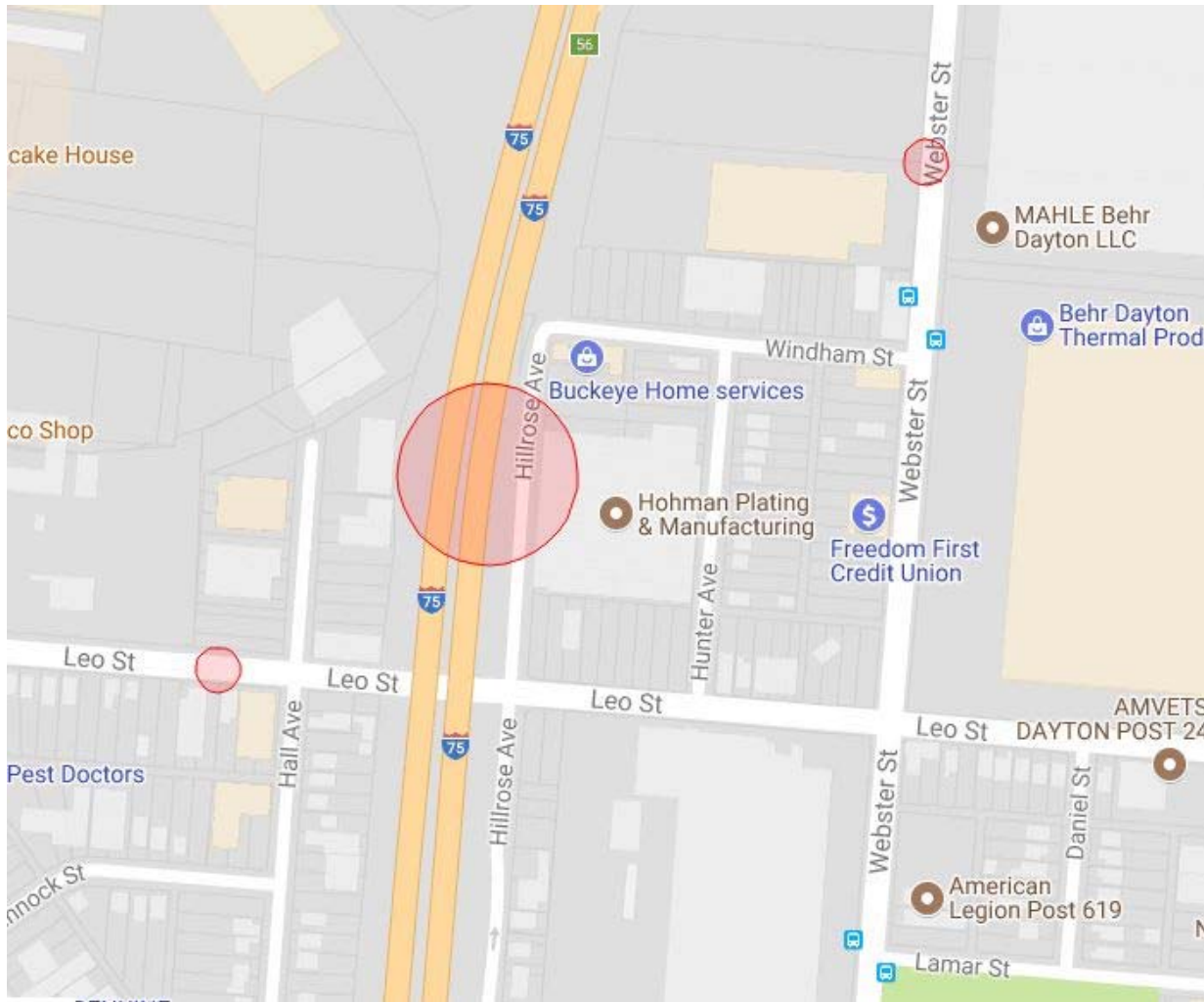


Miami Valley Regional Planning Commission

10 N. Ludlow Street, Suite 700, Dayton, OH 45402 · ph: 937-223-6323 · www.mvrpc.org

# 2016 Streetlight Data Estimated ADT – MVRPC ADT (2010): I-70 and I-75

# I-75 @ Leo Street

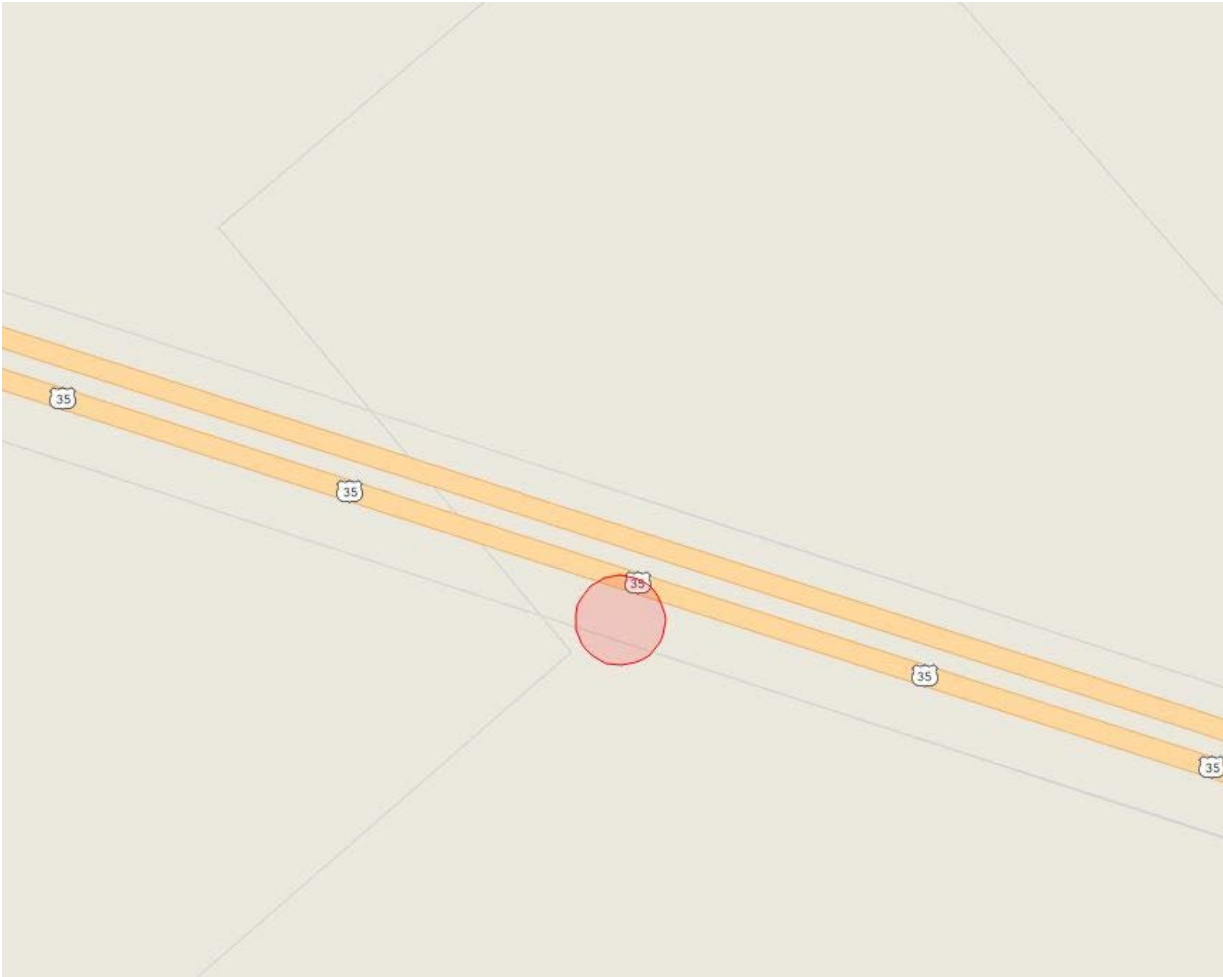


Estimated 2016  
ADT: 207,110

2010 ADT (MVRPC) :  
107,840

Difference: 99,270

# US 35 @ New Jasper Road

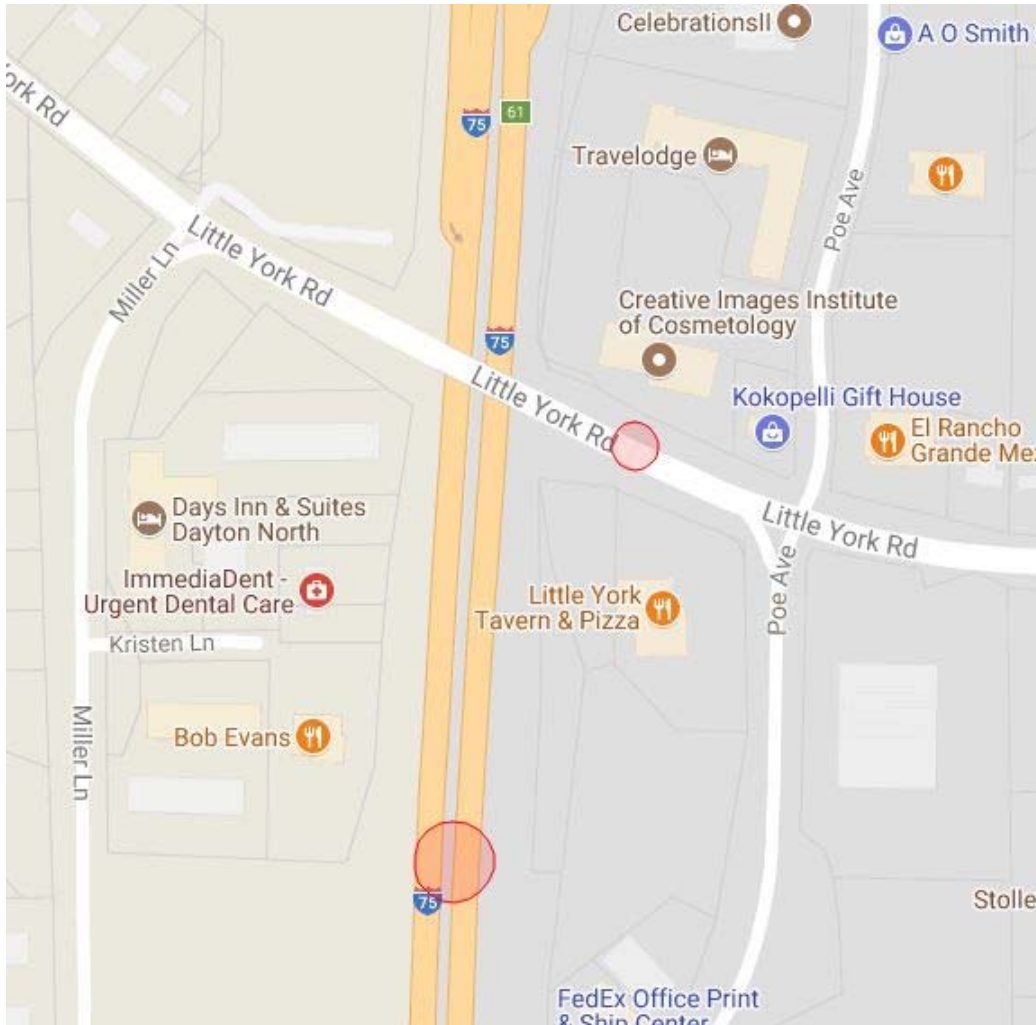


Estimated 2016  
ADT: 279,432

2010 ADT (MVRPC) :  
10,560

Difference: 268,872

# I-75 @ Little York Road



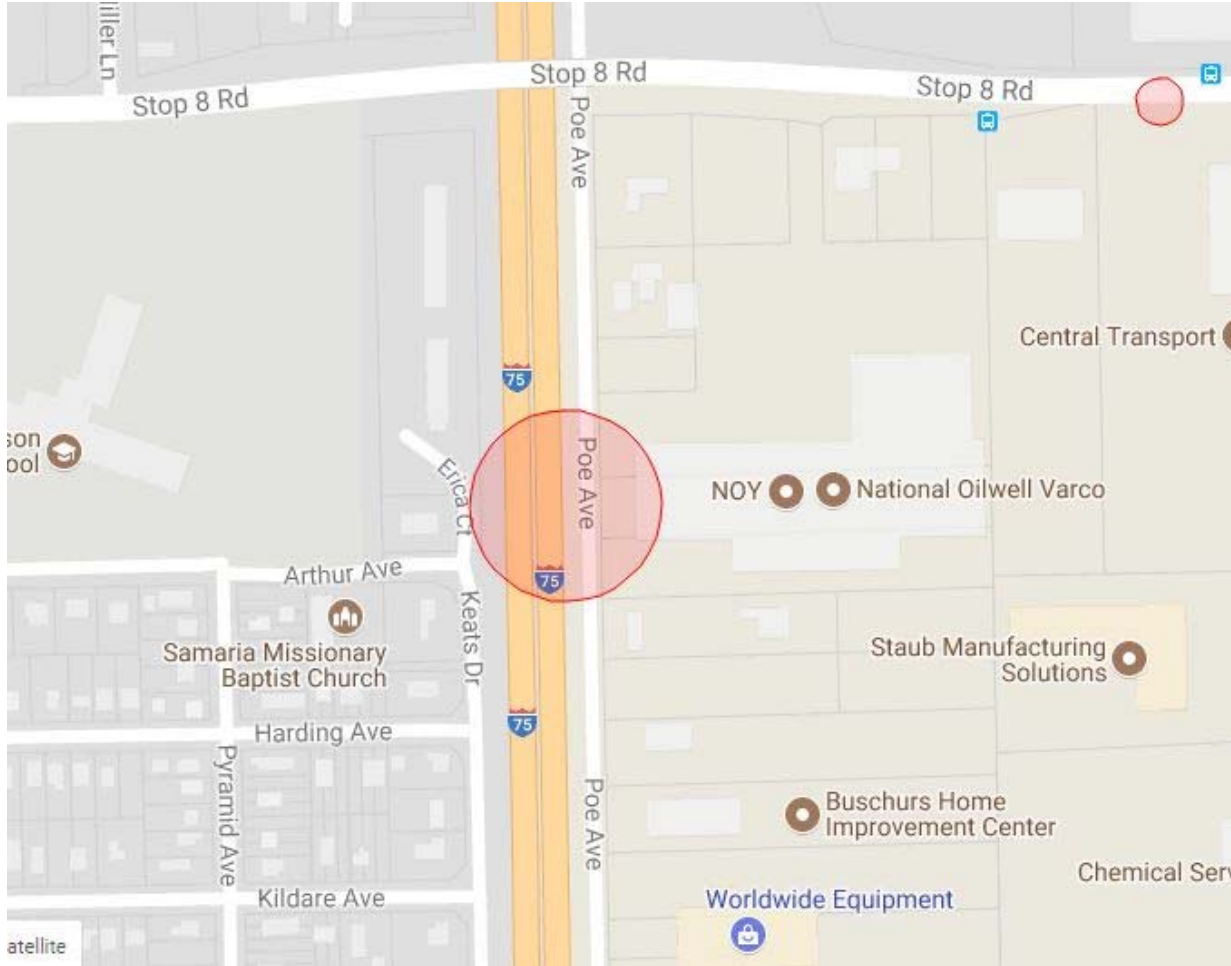
Estimated 2016  
AADT: 163,800

2010 AADT  
(MVRPC) : 106,180

Difference: 57,620



# I-75 @ Stop Eight Road

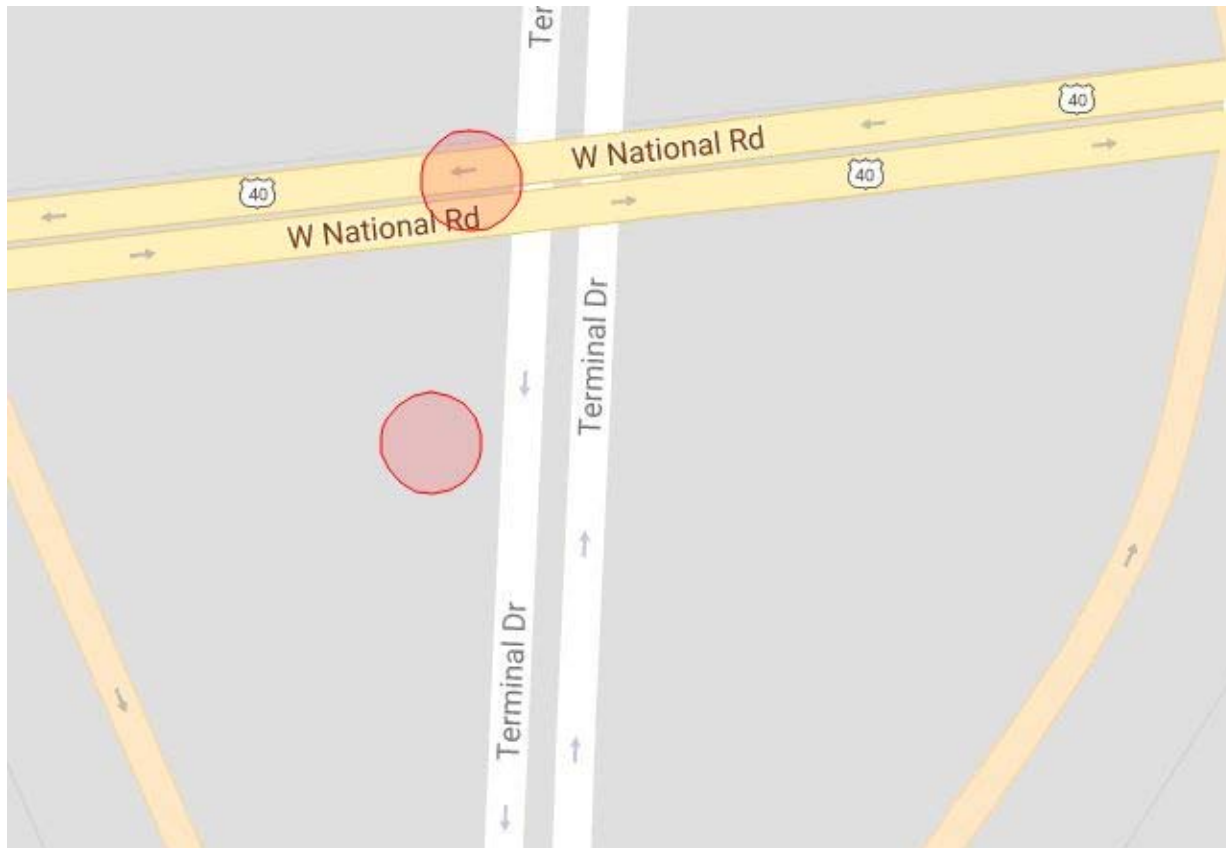


Estimated 2016  
AADT: 180,927

2010 AADT  
(MVRPC) : 106,180

Difference: 74,747

# Airport Access Road

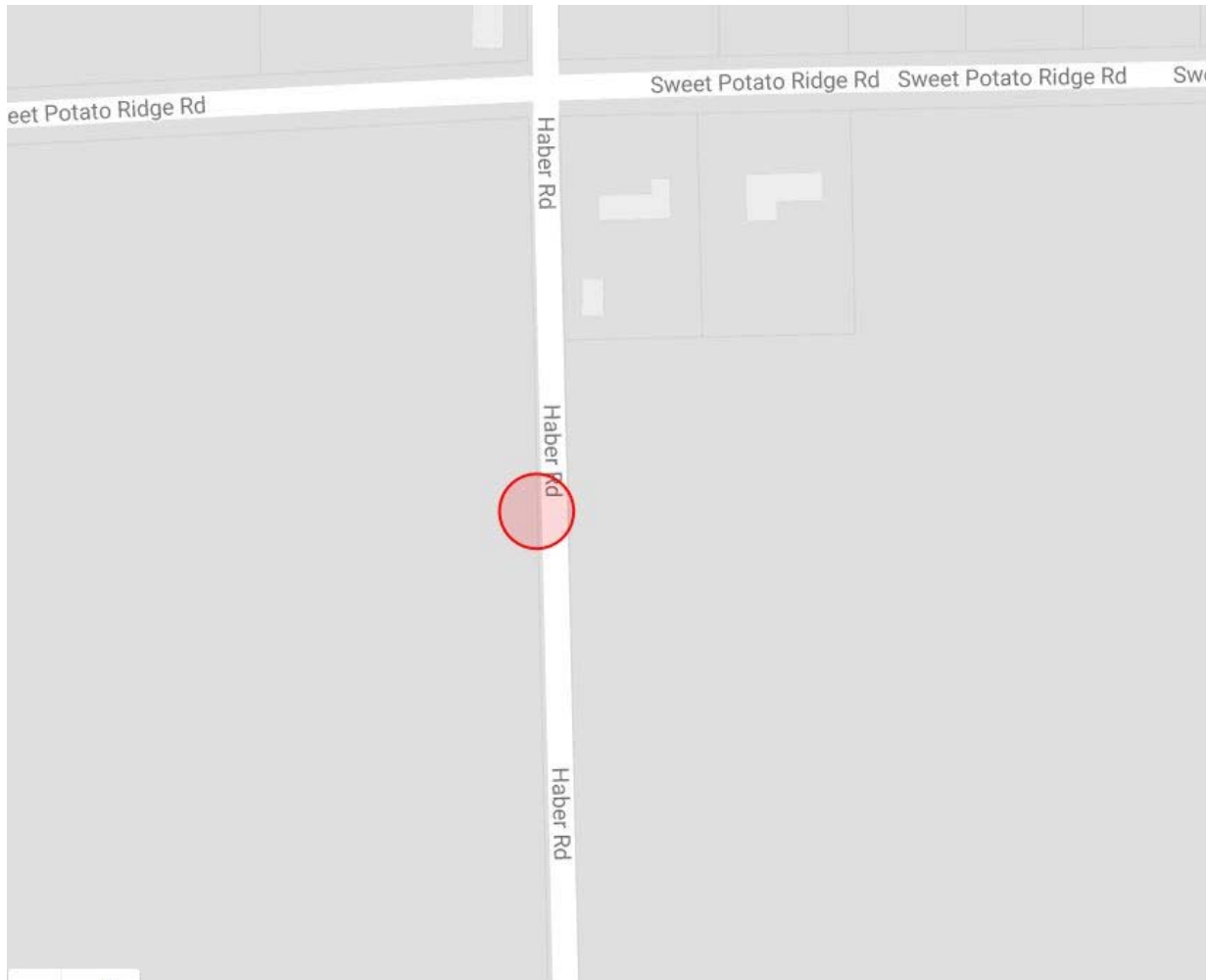


Estimated 2016  
AADT: 280,187

2010 AADT  
(MVRPC) : 12,600

Difference: 269,847

# Haber Road



Estimated 2016  
AADT: 280,322

2010 AADT  
(MVRPC) : 2,800

Difference: 277,522