**SE Variables Critical to Travel Demand Modeling**

1. For HH survey expansion (base year)
   1. Geographical areas: Livingston, Macomb, Monroe, Oakland, St. Clair, Washtenaw, and Wayne County (East Wayne and Other Wayne);
   2. Household size: 1, 2, 3, 4, and 5+ persons;
   3. Household Workers: 0, 1, 2 and 3+ resident workers;
   4. Household Vehicles: 0, 1, 2, and 3+ vehicles;
   5. Household Income: Low (less than $30,000), Medium-Low ($30,000 to less than $60,000), Medium-High ($60, 000 to less than $100,000), ad High ($100,000 and over);
   6. Household Lifecycle: Households with children, Households with adult students (but without children), Households with adult non-student workers (but without children or adult students), and Households with adult non-student non-workers (but without children or adult students or adult non-student workers);
   7. Person Age: Under 15, 15 to 24, 25 to 34, 35 to 44, 45 to 54, 55 to 64, and 65+;
   8. Person Gender: Male or Female;
   9. Person Employment Status: Employed or unemployed;
   10. Person Student Status: Preschool/Nursery/Kindergarten, K-12, University/College/Professional, and Not a student.
2. Vehicle Availability Model (base year and future year)???
   1. Household size: 1, 2, 3, 4, and 5+ persons;
   2. Household Income: Low (less than $30,000), Medium-Low ($30,000 to less than $60,000), Medium-High ($60, 000 to less than $100,000), ad High ($100,000 and over);
   3. Household Senior Home.
3. Trip Generation Model???
   1. Household size: 1, 2, 3, and 4+ persons;
   2. Household Workers: 0, 1, 2 and 3+ resident workers;
   3. Household Vehicles: 0, 1, 2, and 3+ vehicles;
   4. Household Income: Low (less than $30,000), Medium-Low ($30,000 to less than $60,000), Medium-High ($60, 000 to less than $100,000), ad High ($100,000 and over);
   5. Household Children: 0, 1, 2 and 3+ children;
   6. Employment by categories;
   7. University on-campus students, off-campus students, faculty and staff.