NYBPM 2010 Modeling Framework & Validations

TAZ System

FAF3 & External SED

Highway Network

Transit Network

Regional SED Data

Accessibility / Time & Cost Skimming

NYBPM Core Models
(Microsimulation)
HAJ
Household Synthesis
Auto Ownership
Journey Frequency/Production
MDSC
Attractions Destination Choice
Mode Choice
Stop – Frequency and Location

Regional Household Travel Survey: 2010

ACS CTPP 2006 – 2010

Special Generators & PNRs

Vehicle Class Counts

Trucks: 2 Classes

Small Commercial

Out of Region / External Autos

PAP/TOD
Pre-Assignment Processing
Time of Day

Multi-Class Trip Tables by Time of Day (AM, MD, PM, NT)

Feedback Loop: Highway Times and Costs

Highway Assignment

Transit Assignment

External Cordon Counts

Regional Screenline Hourly Traffic Counts

Regional Transit On/Off Counts

Key

Core Models

Input Data

Intermediate & Validation Step

Outputs