

MPO Travel Demand Model Update

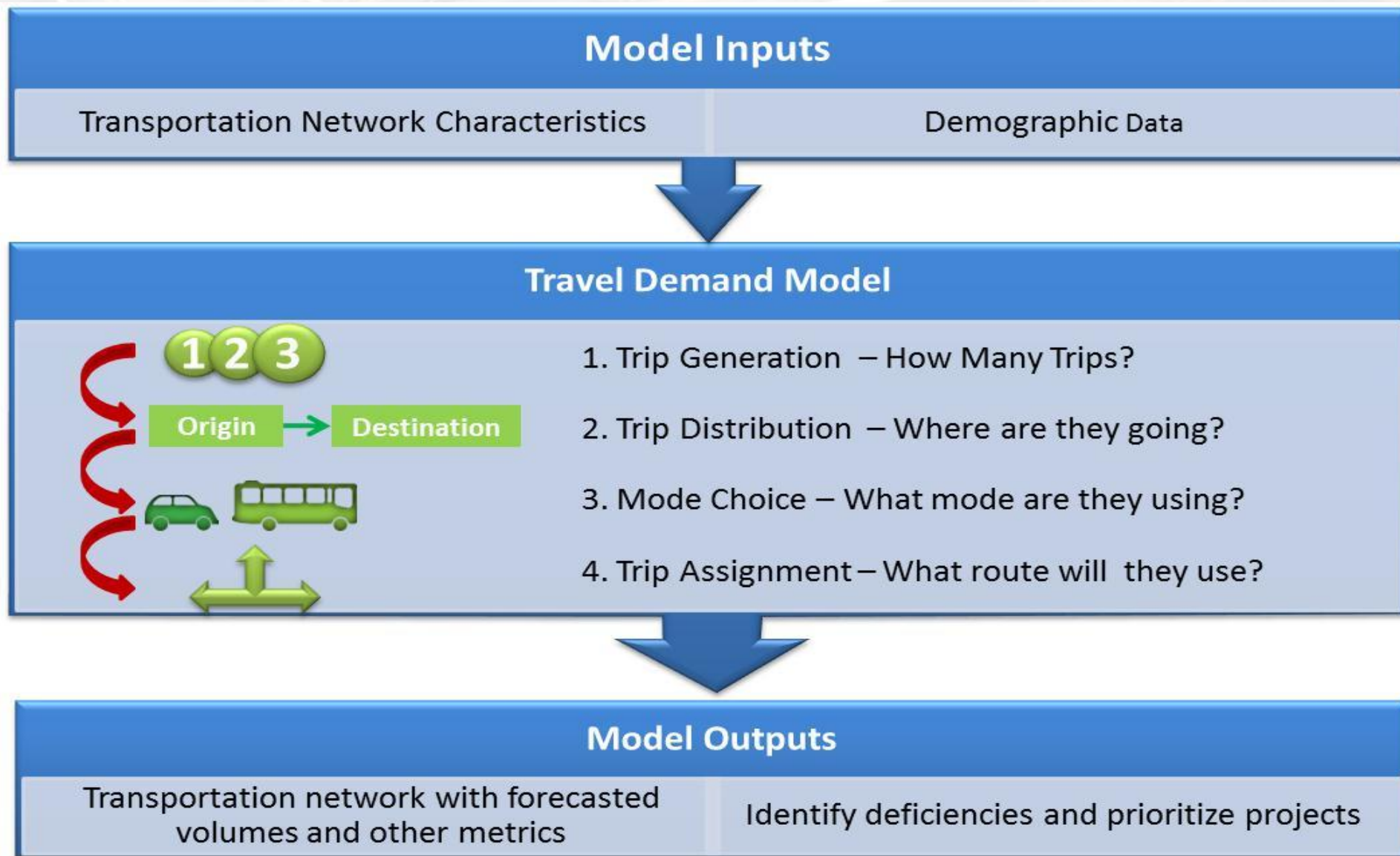
GAMPO Annual Work Session
June 27th, 2014



BACKGROUND

- Federal legislation requires Long-Range Transportation Plan (LRTP) updates every five years
- The LRTP covers a minimum 20-year planning horizon with fiscal constraint
- MAP-21 - Moving Ahead for Progress in the 21st Century
 - LRTP requirements are similar to SAFETEA-LU
 - More focused on performance-based approach

WHAT IS A TRAVEL DEMAND MODEL AND ITS PURPOSE?



WHAT THE MPO'S REGIONAL TRAVEL DEMAND MODEL CAN PROVIDE?

- Daily volumes and capacity on functionally classified routes within the MPO area
- Ability to identify roadway deficiencies where daily volumes exceed the capacity
- Ability to evaluate major interstate and highway improvements
- Ability to evaluate transportation system performance

WHAT THE MPO'S REGIONAL TRAVEL DEMAND MODEL CANNOT PROVIDE?

- Time-of-Day Estimates (Peak Hour or Peak Periods)
- Freight Demand
- Non-Motorized Travel
- Logical Termini Determination

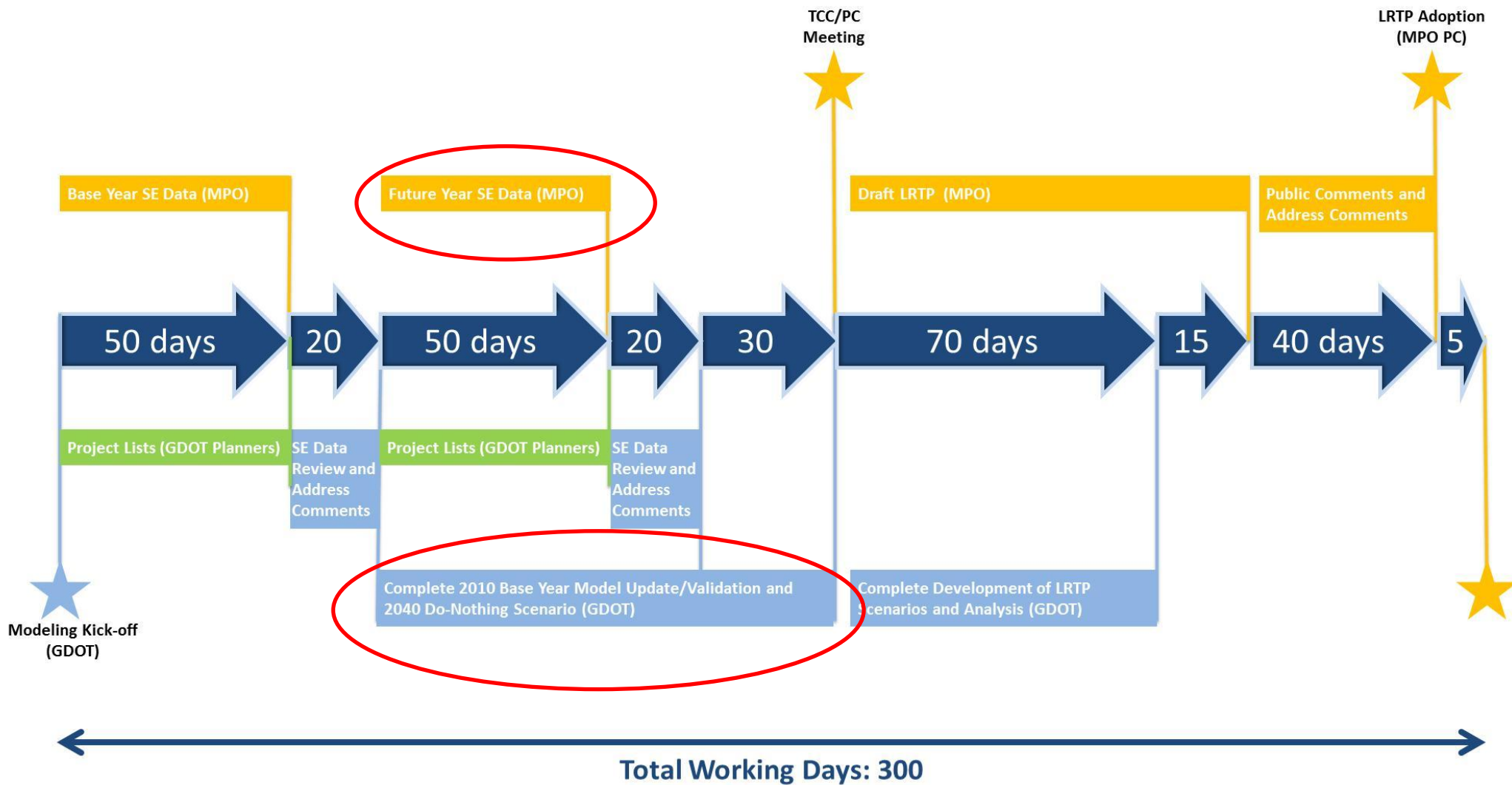
MAJOR ACTIVITIES/LEAD AGENCIES

- Kick-off meeting - **GDOT**
- Prepare and review base year SE data - **MPO**
- Base year model development and validation - **GDOT**
- Prepare and Review future year SE data – **MPO**
- Model presentation – **GDOT @ TCC/PC Meeting**
- Project list for LRTP network scenarios – **MPO**
- Develop each of the LRTP scenarios - **GDOT**

CRITICAL PATH ITEMS THAT IMPACT SCHEDULE

- Provided by MPO:
 - SE data and any revisions
 - Project lists for each network scenario
 - Review/Approval Final networks by TCC/PC
- Provided by GDOT:
 - Model update and validation
 - LOS maps for each network scenario

TIMELINE AND RESPONSIBLE PARTIES



IMPROVEMENTS TO CURRENT PROCEDURE GUIDELINES

- Major Activities, Timeline and Responsible Parties
- Base Year Model Development and Validation
 - Highway Network
 - Defining Traffic Analysis Zones
 - Base Year Socio-economic Data Development and Review
- Guidance for Developing LRTP Networks
- Others
 - Potential treatment for military basis



[GDOT's Travel Demand Model Website](http://www.dot.ga.gov/projects/programs/Pages/default.aspx)
<http://www.dot.ga.gov/projects/programs/Pages/default.aspx>