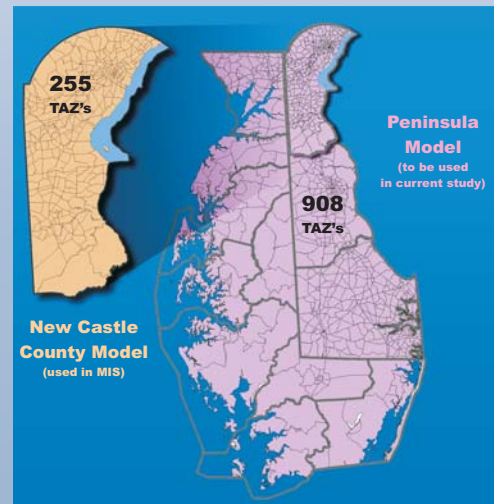


## 301 US 301 Project Development



### Updated Traffic Forecasts

- New traffic projections developed for Year 2030
- Used DelDOT's new "Peninsula" Model
  - Incorporates latest land-use projections adopted by WILMAPCO (including Bayberry)
  - Those projections closely match the range of proposed developments south of the Canal
- Separate projections were made for each Alternative:
  - No Build Alternative
  - Alternatives from MIS Considered but Not Recommended for the Range of Alternatives (3)
  - Recommended Range of Alternatives (7)



### Toll Diversions

- Potential toll diversion (cars & trucks) is a significant community concern
- Toll rates will be established to minimize diversions from US 301 to the local road network
- A committee has been established to study this issue and develop recommendations to minimize diversions
- Significant data collection has occurred:
  - US 301 O&D survey (incl. truck driver interviews)
  - Travel Time Comparisons:
    - Regional: I-95 vs. US 301 (Wash., D.C. to Wilmington, DE)
    - Local: US 301 vs. MD 213, SR 15, SR 299, etc.
  - Historic Toll Plaza Data (I-95, Biddles, Dover)
- Recommendations may include:
  - On potential diversion routes: the use of video surveillance to enhance proposed truck restrictions, increased enforcement of general truck violations and traffic calming measures

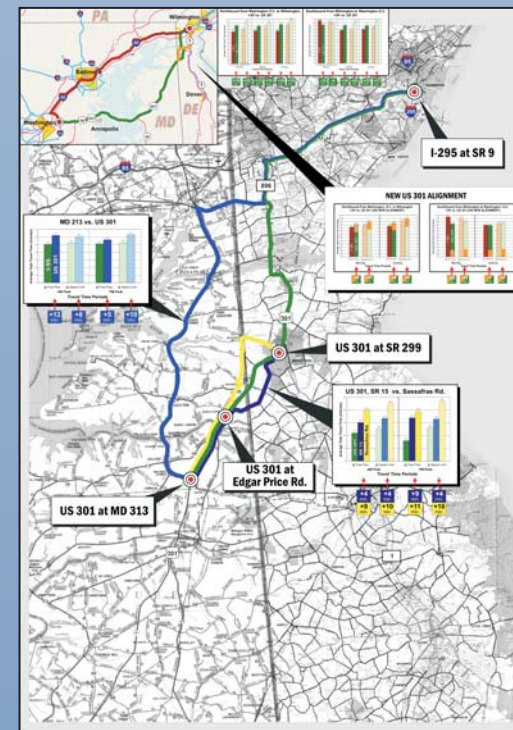
### Traffic Analyses

- Currently, all forecasts are Average Daily Traffic (ADT)
- ADT projections are used to estimate the future level of service (LOS) along key roadways for each alternative
- "Peak Hour" forecasts will be developed for all Alternatives Retained for Detailed Evaluation
- The peak hour forecasts will be used to refine the LOS analyses, including key intersections

### Toll Considerations

- All Alternatives have been analyzed assuming new toll plazas will be constructed on:
  - US 301 mainline at the DE/MD state line (northbound & southbound)
  - North-serving ramps, i.e. ramps to and from the north at each of the new US 301 interchanges
- Toll rates:
  - Will be established to discourage traffic diversions, resulting from toll avoidance, especially truck traffic, from new US 301 to the local road network
- E-ZPass users would not be tolled twice for the Alternatives that connect with SR 1, south of Biddles Toll Plaza (Yellow, Blue & Purple)

### Travel Time Comparisons



### Historic Toll Plaza Data

