

# PROJECT PURPOSE AND NEED

## 301 US 301 Project Development

### Purpose and Need

**Three Key Components:**

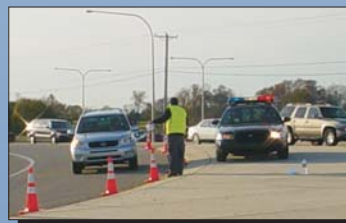
- Improve safety
- Manage truck traffic
- Reduce roadway congestion



1 Westbound Boys Corner Road at US 301



2 US 301 Northbound at SR 299



3 SR 299 / SR 1 Interchange (southwest quadrant)

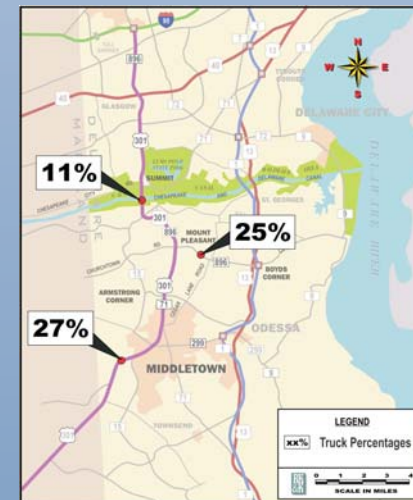
### Improve Safety

- From October 1999 to September 2004 - 1200+ reported accidents in study area (US 301, SR 896, SR 299, and SR 15)
  - ▶ 34% Involved injury or death
    - 395 Injury accidents
    - 20 fatalities
    - Half (10) on US 301 south of the C&D Canal
- High Accident Locations
  - ▶ Several roadway segments of US 301 / SR 896 are on DeIDOT's



### Manage Truck Traffic

- US 301 used as Mid-Atlantic Region truck route, bypassing I-95 corridor congestion and tolls.
- High percentage of truck traffic on US 301
  - ▶ 27% Trucks at DE/MD State Line
  - ▶ 25% Trucks on Boyd's Corner Road
- Mixing a high percentage of truck traffic with local traffic affects roadway operations and safety.



Note: Truck weigh station at DE/MD State Line to be implemented per MIS recommendation

### Reduce Roadway Congestion

- Separate local traffic from US 301 through traffic, especially trucks.
- US 301 Major Investment Study (MIS) multi-modal related recommendations have been, or are being, implemented.
- Despite these non-capacity improvements, traffic growth during the last 5 to 10 years in the Study Area has exceeded projections and is expected to continue into the future.
  - ▶ Need to develop roadway capacity improvements

