What do we do??

- Traffic signals and systems design, construction, and O&M
- Development, Rezoning, Land Use Amendments, & Use Permits
- Short & Long range planning of key countywide roads & Level-of-Service of roads
- Engineering studies to justify signs & markings

Traffic Engineering Organizational Chart

- Traffic Studies
- Traffic Signals
- Administration
- Transportation Planning
- Traffic engineer: Jon Cheney, P.E.
- Traffic counts & studies
- Computerized Signal Systems
- Isolated Signals
- School Flashers

Traffic Engineering Division

Provides for the safe and efficient movement of both vehicular and pedestrian traffic throughout the County.

- 533 traffic signals and flashers
- Traffic Management
  - 24 coordinated traffic signal systems
  - 21 local & 100 traffic monitoring cameras
- Reduced Speed School Zone signals

Employees: 21 (4 currently vacant) Holly Hill TMC

Consolidated Services Countywide except Daytona Beach
Challenges
Special Events
Disasters & Evacuations

Challenges:
Transportation System Needs
A variety of sources used to develop system, mainly consisting of:
- 2025 Volusia County MPO’s LRTP
- 2035 LRTP: E+C Model Runs, Subcomm. Input & Make Your Mark Workshop
- 2007 County Needs Plan & Economic Development
- myRegion.org & East Central Florida RPC effort
- 2050 FDOT Max # of Lanes analysis
- SE Volusia Regional Transportation Study
- SW Volusia Regional Transportation Study
- Volusia County 5-Year Road Program: City Mtgs, Zone Mtgs, Council Workshop, Annual County Budget
- Annual County CIE Report to DEO

Challenges - Growth
Volusia County Population Growth Rate

- New Economy
- New Issues
- New Strategies

Challenges:
Transportation System Needs
A variety of sources used to develop system, mainly consisting of:
- 2025 Volusia County MPO’s LRTP
- 2035 LRTP: E+C Model Runs, Subcomm. Input & Make Your Mark Workshop
- 2007 County Needs Plan & Economic Development
- myRegion.org & East Central Florida RPC effort
- 2050 FDOT Max # of Lanes analysis
- SE Volusia Regional Transportation Study
- SW Volusia Regional Transportation Study
- Volusia County 5-Year Road Program: City Mtgs, Zone Mtgs, Council Workshop, Annual County Budget
- Annual County CIE Report to DEO
Challenges:
Transportation Needs - Congestion
2025 Roadway Deficiencies
Future Conditions
- The transportation network and the traffic volumes are based on 2025 Central Florida Regional Planning Model (CFRPM)
- The population and employment data is based on the CFRPM
- Model generated V/C ratios are used to determine network deficiencies

Challenges:
Transportation Needs - Congestion
2050 Roadway Deficiencies
Future Conditions
- The transportation network and the traffic volumes are based on 2050 Central Florida Regional Planning Model (CFRPM)
- The population and employment data is based on the CFRPM
- Model generated V/C ratios are used to determine network deficiencies

Traffic Engineering Division
Current Issues
- Update to 20 Year MPO Long Range Transportation Plan & new Federal MAP-21 Transportation Bill
- 6 of 7 Council members on MPO Board
- Comprehensive Plan Amendments (additions/deletions to County Thoroughfare System)
- Growth Management Legislation vs Economic Development
- Cost Saving & Greenhouse Gas Reduction Programs:
  - Signal power – County LED’s replacement complete City LED replacement underway
  - Next Step in traffic technology - Adaptive Signal Control
  - Signal Retiming (system & isolated)
- Sunrail – VOTRAN: customer delivery to station on-time
- Variable work load in cities
QUESTIONS?