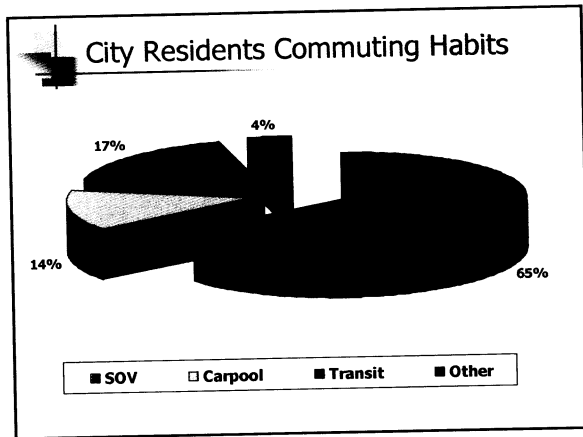
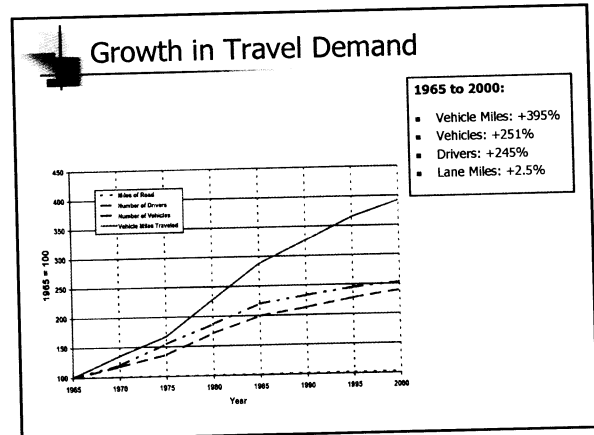


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9-27-05

### Transportation Overview

Department of Transportation and Environmental Services

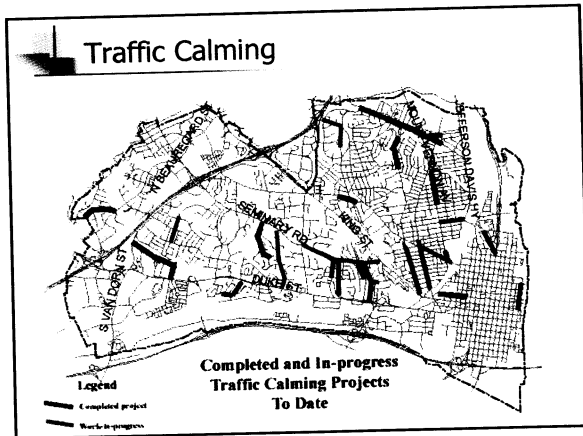
- Goal 1: Objective 4 – Transit Oriented Development
- Goal 2: Objective 5 – Increase Multi-modal Travel
- Goal 2: Objective 6 – Improve the Quality of the Environment
- Goal 3: An Integrated Multi-modal Transportation



- ### Capital Projects Affecting Traffic
- King Street Platform Extension
  - DASH Maintenance Facility
  - Monroe Avenue Bridge
  - King and Beauregard Streets
  - Woodrow Wilson Bridge
  - Washington Street/WWB Settlement Project
  - Traffic Calming
  - Pedestrian Safety Funds for Intersections
  - Citywide Interconnect of Signals Throughout the City
  - Duke Street Traffic Response Control
  - Traffic Control Upgrades
  - DASH Bus Shelter Replacements
  - King/Quaker/Braddock Intersection
  - Edsall Road

- ### Non-Capital Efforts
- School Speed Zone Reduction Program
  - Top 10 Accident Locations
  - Ad hoc Transportation TF
  - Community Planning and Development Review
  - Signalization/Congestion Management in Old Town
  - Officers Association with WWB Detail
  - APD Detail on Speed Control/Speed Boards
  - Taxicab Ordinance and Procedure Changes
  - ZipCar and FlexCar

- ### Program and Initiatives
- Traffic Calming
  - School Area Safety
  - Intelligent Transportation Systems (ITS)
  - Traffic Control Center Upgrades
  - Transportation Task Force Ad hoc



### School Area Safety

**Activities Underway**

- Centrally-controlled school zone flashers
- Reduced speed limits in school zones
- Enhanced signing and marking of school zones

### Highway Video Monitoring & System Architecture Project

**Focus:** Implement fiber-optic CCTV Network for shared roadway monitoring between Transportation Division & first responders.

**Funding:** \$2.3 M - Federal Earmark, RSTP, City Match

**Goals:**

- Improve mobility by real-time detection/verification of incidents
- Improved emergency response
- Regional video sharing
- Develop Intelligent Transportation System Architecture

**Status:**

- Scope & budget developed & City matching funds secured
- City-State Agreement under administration.
- Project Start: Preliminary Engineering - Fall '05

### Route 1 Fiber Optics

**Focus:** Implement fiber-optic traffic signal network along Route 1 in Alexandria

**Funding:** approx. \$1M - Federal Earmark

**Goals:**

- Improve traffic signal operations along Route 1 through improved network communications
- Establish groundwork for future technology

**Status:**

- Federal funds recently appropriated
- Project Start: Spring '07

### Old Town Traffic Signal Optimization

**Focus:** Optimize traffic signal timing & phasing throughout Old Town Alexandria for all times of day

**Funding:** Congestion Mitigation & Air Quality [CMAQ] (\$200K)

**Goals:**

- Provide better pedestrian/bicycle safety & mobility
- Improve "green" progression & reduce delay
- Compile extensive traffic volume and inventory data

**Status:**

- Revised traffic signal timing & phasing implemented.
- Fine-tuning process began in Spring '05. Will resume in Fall '05
- Project Completed: Fall '05

### Traffic Signal Synchronization

**Focus:** Optimize traffic signal timing & phasing along major West Alexandria corridors

**Funding:** \$193K - Congestion Mitigation & Air Quality [CMAQ]

**Goals:**

- Provide better pedestrian/bicycle safety & mobility
- Improve "green" progression & reduce delay
- Compile extensive traffic volume and inventory data

**Status:**

- Request for proposals (RFP) completed.
- City-State Agreement in development
- Project Start: Preliminary Engineering - Spring '06

## Duke Street Congestion Relief

**Focus:** Implement traffic responsive signal control along the length of Duke Street and improve pedestrian mobility

**Funding:** \$732K - Regional Surface Transportation Program [RSTP]

**Goals:**

- Optimize traffic signal timing & phasing along Duke Street
- Develop multiple timing plans for real-time automated response
- Improve pedestrian mobility
- Compile extensive traffic volume and inventory data

**Status:**

- Scope, budget, and request for proposals (RFP) developed
- City-State Agreement in development
- Project Start: Preliminary Engineering - Spring '06



## Ad hoc Transportation Task Force

**Automobile congestion cannot be eliminated!**

## Traffic Complaints

- Locations
  - Route 1 and Washington Street
  - Duke Street – Holland to Diagonal
  - Eisenhower Avenue – Holland to Telegraph
- Number of Complaints
  - 99 Informal Council Requests
  - 33 Formal Council Requests

## Next Steps and Solutions

- Top 10 Accident Locations
- Expanded pedestrian improvements program
- GRIP Program Expansion
- Hotline
- WWB
- Developer Conditions

## Discussion

