

The Incorporation of
Multimodal Transportation
Simulation Into Project
Decision Making



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- A new name
- An expanded role
- A more robust review



ST ELIZABETHS



DHS Plan Overview

- 14,000 DHS Employees
- 4,200 parking spaces
- Development on East and West Campus
- Multiple EIS documents
- Parking Ratio of one space per four employees
- Limited network capacity
- Multiple DDOT regulatory approvals



Other Area Projects



- South Capitol Corridor
- 11th Street Bridges
- MLK Streetcar
- Poplar Point
- Barry Farms
- St Elizabeths East Campus
- MLK Great Streets
- Bolling Joint Base

Study Area



ANALYSIS



West Campus Analysis

- Study area focused on adjacent facilities
- Analysis was focused on intersections
- Methodology was comparable to a traffic impact assessment
- Collaborated with GSA on East Campus Master Plan EIS





DDOT Goals

- Assurance that DHS employees could access site
- Assurance that residents and non-DHS employees would not be unnecessarily impacted

DDOT Project Needs

- Analysis of area traffic operations
- Redesign key facilities
- Create a robust TMP
 - Provide a plan for high frequency shuttle service
- Constructability review



Screen Shots



OUTCOME





Relatively Precise Diagnosis

- Easily understood results by decision makers
- Identified problem areas
- Showed additional change was necessary
- Able to evaluate the shuttle plan
- Allowed staff to focus time on our response and solution
- Took us beyond LOS tables

d. delivers

