**Project Overview**

**Overview**
- Evaluate potential new light rail option running 14 miles in length with projected 55,000 daily ridership.
- Runs through East-West transportation corridor of Baltimore County/City.

**Objective**
- Using the STEEP model, evaluate two transit options for the East-West transportation corridor for Baltimore, MD.
- Two options include light rail, or maintaining existing auto/bus transit options.

**Analysis**

**Social**
- Commuters: Increased connectivity and reduced travel times
- Residents: Displacement, gentrification, reduced traffic

**Technological**
- Light rail: Not a new innovation, but paradigm shift from auto.
- Five miles of tunnels in high water table presents technical challenge.

**Environmental**
- Greenhouse gas emissions per mile are reduced.
- However, with development and growth, overall miles traveled increases.

**Economic**
- Revitalization and connectivity
- Short and long term employment and revenue
- If carbon is priced in the future, ROI increases.

**Political**
- Divisions across parties and levels of government
- Election cycles and short term nature of political calculation

**Conclusions & Recommendations**

**Reduce Risk**
- Fewer auto accidents
- Consistent travel schedule
- Improved air quality

**Cut Costs**
- Reduce energy costs due to travel times
- Reduce car ownership rates
- Lower insurance premiums

**Drive Growth**
- Increased business
- Increase residential development

**Enhance Brand**
- Improve Baltimore's image
- Investment improves citizen/govt. relationship

The Sustainable Business Case for the Light Rail