Logistics of Constructing a Washington D.C.-Baltimore Rapid Transit Line

Washington Metropolitan Area Transit Authority Maryland Transit Administration

Participant:

Danni Tang

Johs Hopkins University

Last Complied on October 15, 2012

Table of Contents

- Introduction
- 2 Principles
- Tools
- 4 Arguments from Scale
- Graphical Methods
- 6 Basic Optimization

Sponsors

Washington Metropolitan Area Transit Authority (WMATA):

- transportation agency created by the Library of Congress
- operates in the District of Columbia, Maryland, and the Commonwealth of Virginia
- 3 rapid transit service (Metrorail)
- bus services (Metrobus)
- paratransit (MetroAccess)
- currently contructing new lines in Virginia (Silver Line) and in Maryland surburbs of D.C. (Purple Line)

Sponsors (cont.)

Maryland Transit System (MTA Maryland):

- transportation agency operated by the state of Maryland
- operates in the Baltimore-Washington Metropolitan area
- numerous bus lines
- 4 Light Rail
- Metro Subway
- MARC train

Relevance

Problem area:

•

Problem Statement

Deliverables



Seven Basic Principles

- Set the context
- 2 Choose effective examples and analogies
- Ohoose vocabulary to suit your readers
- Oecide whether to present #s in text, tables, or figures
- Report and interpret #s in the text
- Specify the direction and size of an association between variables
- For many #s, summarize overall pattern

Creating Effective Tables

Example: Cost of Packaging

Example: The Nuclear Mission Arms Race

Example: Maintaining Inventory