A Leader in Sustainable Transportation Solutions
2010 RESIDENT POPULATION

308,745,538
Another 110 Million people!!
Index of VMT, Vehicles, Drivers, and Miles of Road

1965 = 100

Year

Vehicle Miles Traveled
Number of Vehicles
Drivers
Miles of Road

Modern Double Guideway
Bogota, Columbia
Eugene, Oregon
Euclid Ave, Cleveland
Euclid Ave, Cleveland
Can carry up to 175 Passengers
Bogota, Columbia
Assume a 14 Mile System

• $76 Million a Year

• $15 Million a year
What are the Relative Capital Costs of a 14 mile System?

- LRT @ $75 million / mile = $1.050 BILLION
- 20 year Bond at 4% = $76 M per year
- XRT™ @ $15 million / mile = $210 MILLION
- 20 year Bond at 4% = $15 M per year
Operating costs
VARY............. W I L D L Y

Depends on many factors, # RTV’s, number stops, number miles, headways, etc
Comparison of Operating Expenses
overall it appears that XRT™ costs range from 10% - 15% higher than LRT
What if the O and M Costs of XRT™ are 10% of Capital Costs?

- **SO with** $210 M in Capital cost = $21 M
- **Capital** = $15 M per year
- **Total** = $36 M
Summary of this Discussion

- *Regardless of Operating Costs, XRT™ due to Capital expenditures*..................

- *XRT™ could logically cost $ 40 million to $ 50 Million LESS PER YEAR !*
As a County, we can not afford to waste $$$ of the magnitude discussed here today
Key Items for Successful XRT™

- Median Guideways
- Off Vehicle Payment
- Free Wi Fi in Stations and RTV’s
- Guidewheels
- Continuous poured concrete pavement
- Short Headways
- Reliability
If we are not going to car pool...
AND we can not continue with SOV’s
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