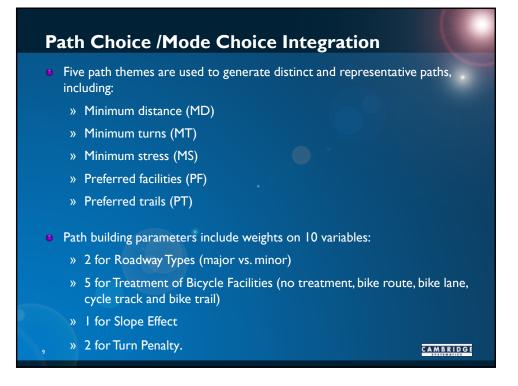
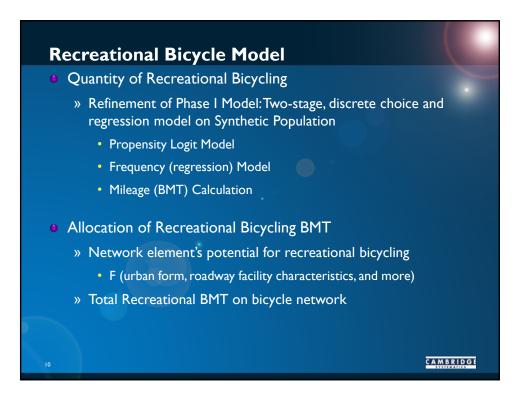
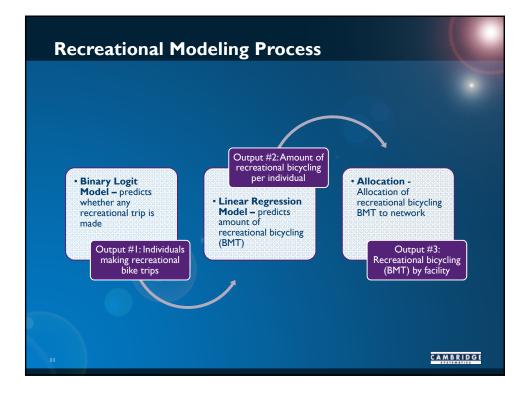


Ability to Answer Policy Questions											
Policy Issue	Capable of Addressing Issue										
	Case I		Ca	se 2	LA						
	Mode Choice	Route Choice	Mode Choice	Route Choice	Mode Choice	Route Choice					
Intra, Inter- zonal	Yes	Yes	Yes	No intra- zonal	Yes	Yes					
Bicycle to transit	No	No	No	No	Yes	Yes					
Bike sharing	No	No	No	No	Yes	Yes					
Bicycle parking	No	N/A	No	N/A	Yes	Yes					
Recreational	No	No	No	No	Yes	Yes					
7 CAMBRIDGE											

Modeling Element Overview											
Trip Purposes		Recreation									
	Auto	Transit			Non-Motorized		Biking				
	Auto	Walk Access	Bike Access	PnR, KnR	Walk	Bike	@ destination				
Home-Based Work											
Home-Based Univ											
Home-Based Recreation- Biking @ Destination											
Home-Based Other											
Non-Home- Based											
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## Santa Monica 20 Year Plan Bike Model Test

• Network Coding

» Added 38 new links

- » Updated about 1300 links with modified bike facility class
- » Recalculated utility cost
- » Conversion from ArcGIS to CUBE
- Base Year and Future Year Model Run
  - » Built about 16 million bike paths
  - » Aggregated block to block utility to intra-zonal utility (from 8 million interchanges to 2268)
  - » Aggregated block to zone utility to short inter-zonal utility (from 3 million interchanges to 26455)

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## Why Collect Bike Data? (Modeling and Other Purposes)

- Data Collected in Other Cities Uses a Wide Variety of Technologies, Similar to Those Planned for LA County
- While Bike Data in LA County Is Insufficient, Its No Worse than in Most Large Cities
- Similar Problems and Concerns
  - » Most existing data is site specific, not subject to extrapolation to a larger geographic area
  - » All count technologies are subject to error, and the use of short term counts extrapolated over time is especially prone to error
  - » Until recently, there has been little guidance regarding best practices
- Even Cities Known for Their High Bike Usage Such as Portland, Oregon – Are Struggling to Identify the Best Data Collection Practices

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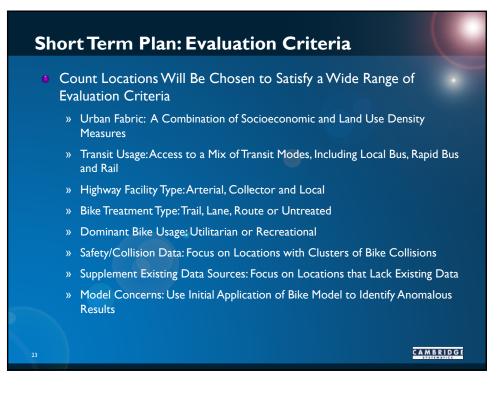


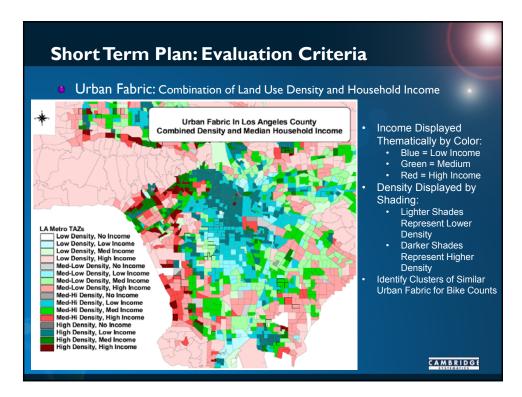


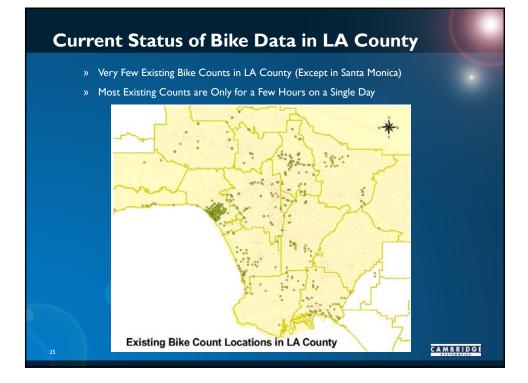




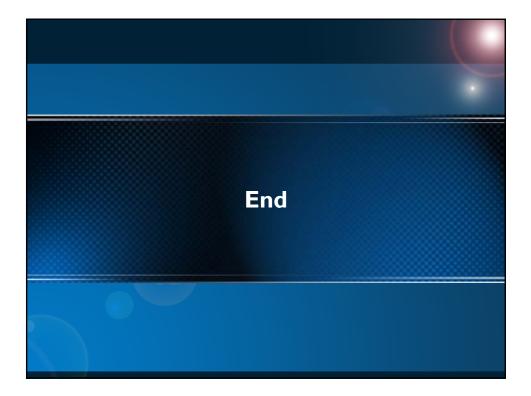
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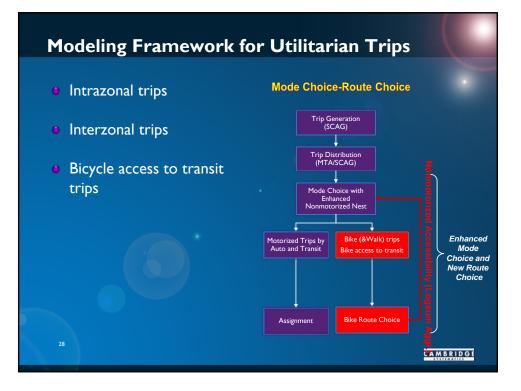


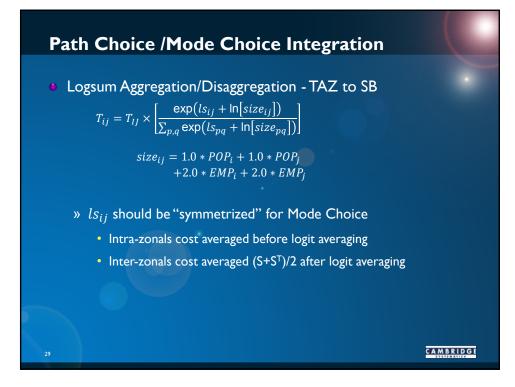


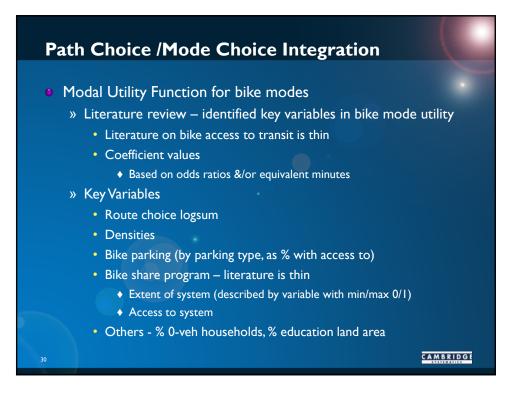












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