



Attributes to Network Layer

- Link Type
- Direction
- Number of Lanes
- Capacity
- FFC of the Roadway
- Average Annual Daily Traffic
- Speed Limit



© Copyright 2004 ECIA. All Rights Reserved.

ctre

Center for Transportation
Research and Education

IOWA STATE
UNIVERSITY

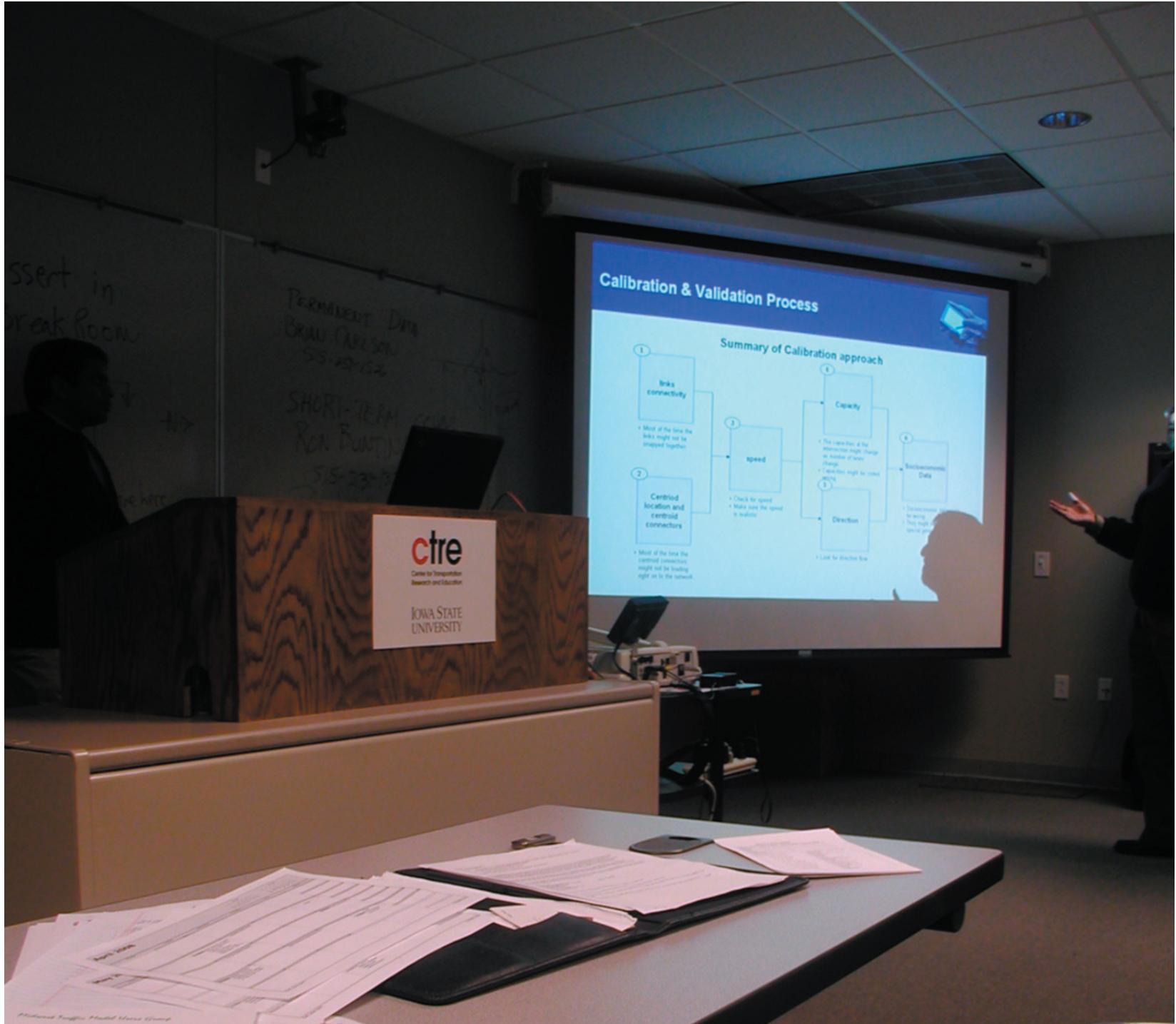






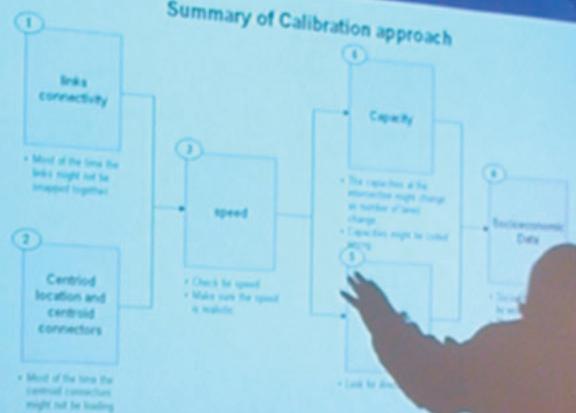






Calibration & Validation Process

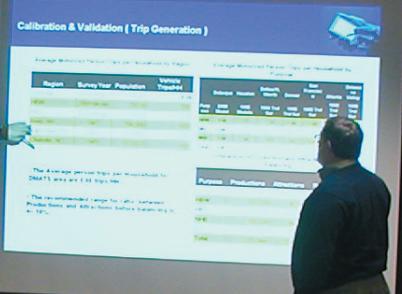
Summary of Calibration approach



PERMANENT Data
BRIAN CARSON
SIS-201-152,

SHORT-TERM
Ron Burt
SIS-201-3









Calibration & Validation (Trip Generation)

Average Motorized Person Trips per Household by Region

Region	Survey Year	Population	Average Trips/Year
DIAIRUS	2005 Model	77,000	8.00
HCO	2005 Model	122,000	8.00
Metropolitan Area	1995	290,000	7.00

Average Motorized Person Trips per Household by Program

Program	House	Office	Other	Total
Day	8.00	8.00	8.00	8.00
Work	8.00	8.00	8.00	8.00
Non-Work	8.00	8.00	8.00	8.00
Total	8.00	8.00	8.00	8.00

Comparison of Production and Attraction Ratios Before Balancing

Program	Production	Attraction	Ratio	Notes
HCO	100,000	100,000	1.00	
Day	100,000	100,000	1.00	
Work	100,000	100,000	1.00	
Non-Work	100,000	100,000	1.00	

The Average person trips per Household for DIAIRUS area are 8.00 trips/year.

The recommended range for ratio between Productions and Attractions before balancing is 4-15%.

