# SOCIAL NETWORK ANALYSIS OF TRB STANDING COMMITTEES

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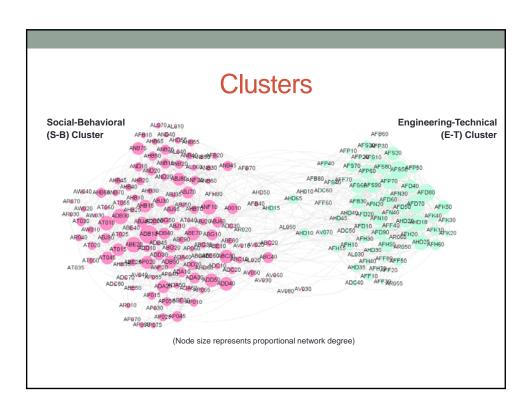
# Approach

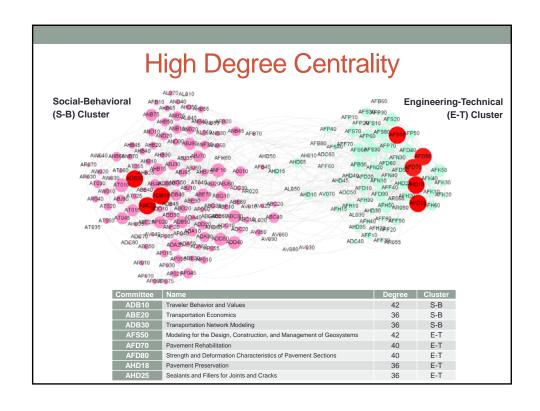
- TRB member database was used to analyze committee co-membership across the 210 standing committees
- The members serving on multiple committees created the network ties
- Analyzing committee co-membership indicates the degree to which committees have the potential to collaborate and share information
- Results were applied in a case study focusing on ADD40

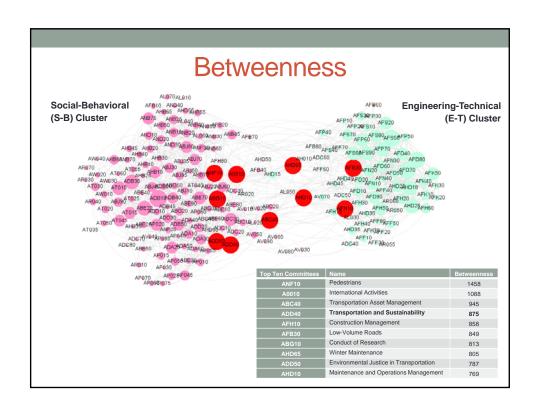
## TRB Standing Committee Membership Database

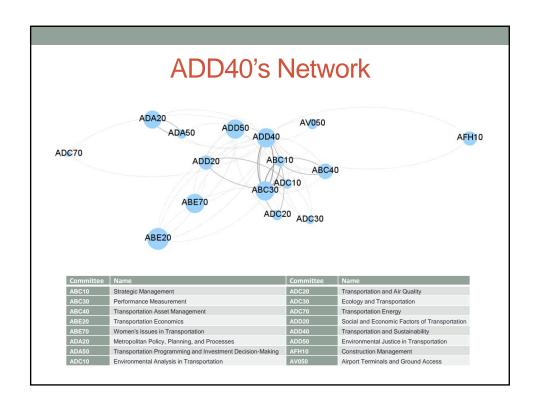
Below are the fields that were made available in the member database. These include only current members. The roles of 'friends' were not included.

Fields	Role		
Name		Frequency	Percent
TRB ID	Chair	189	3.2
Affiliation Position	Cochair	44	8.0
Age	Emeritus member	262	4.5
Ethnicity	Member	4725	80.9
Gender Committee Committee Code Role	Secretary	68	1.2
	Vice Chair	15	0.3
	Young member	535	9.2
Years affiliated	Total	5838	100.0
Section or Group Code			
Section or Group			









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Government (Federal) Performance Measurement Academic<sup>a</sup> / Academic / Academic Transportation Economics Private Sector<sup>b</sup> ADD20 Social and Economic Factors of Transportation Ecology and Transportation Government (State)c ADC10 Environmental Analysis in Transportation ABC10 Strategic Management Private Sector Transportation Asset Management Academic Women's Issues in Transportation Academic Metropolitan Policy, Planning, and Processes Academic Transportation Programming and Investment NGO Decision-Making Transportation Energy Private Sector Environmental Justice in Transportation Construction Management Academic AV050 Airport Terminals and Ground Access Academic

a, b, and c Indicate that three different ADD40 committee members are also members of two other TRB committees

#### ADD40

- ADD40 is in an interesting position in that its subject area cuts across environmental, social, and economic issues that can have a technical, managerial, planning, financial, political, and/or regulatory dimension
- · Committee productivity is somewhat limited, but stable
- Committee has a desire advance a more strategic and comprehensive research agenda through a collaborative outreach process to other TRB committees
- Committee made strategic decision to focus on promoting transportation research that integrates all three dimensions of sustainability

## The Value of the Social Network Analysis

The social network analysis revealed:

- that ADD40 is already positioned well with in the TRB system –
   i.e., the committee bridges the two clusters
- that adopting a collaborative research stance is a realistic strategy
- that strengthening existing relationships would be a useful first step
- where relationships between committees could be developed
- which individuals could be tasked with reviewing RNS statements of interest to ADD40