ABJ40 – Travel Survey Methods

Welcome and Introductions

How to Become a Friend

Committees – Become a Friend of a Committee

- Transit Market Research Using Passive Locational Data
  - Anurag Komanduri, Cambridge Systematics
- Changes in Traveler Behavior with a "CAV" (as proxied by a Chauffeur)
  - Mustapha Harb, UC Berkeley, Jai Malik, UC Davis, Giovanni Circella, UC Davis, Abigail Rosenson, RSG, Joan Walker, UC Berkeley

- VIUS Update
  - Kenneth Steve, BTS
- NHTS Update
  - Danny Jenkins, FHWA

Subcommittee Reports

- HTS – Jimmy Armoogum & Stacey Bricka
- Freight –Miguel Jaller
- New Technologies – Elizabeth Greene
- SR – Zachary Patterson & Matthew Beck
- Transit –Greg Newmark
- LD – Jeffrey LaMondia
- ISCTSC –Patrick Bonnel & Catherine Morency
- Bike & Ped Data – Rebekah Straub Anderson
- Data Subcommittee – Cynthia Bland

12th ICTSM

- https://www.isctsc2020.pt/

- https://www.isctsc2020.pt/

12th ICTSM

From	To	Sunday, May 31st	Monday, June 1st	Tuesdays, June 2nd	Wednesday, June 3rd	Thursday, June 4th	Friday, June 5th	From	To
07:30	08:00		Breakfast	Breakfast	Breakfast			07:30	08:00
08:00	08:30		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	08:00	08:30
08:30	09:00		Opening Plenary	Plenary Session	Reports Workshop A	Breakfast	Breakfast	08:30	09:00
09:00	09:30		Opening Plenary	Plenary Session	Reports Workshop A	Workshop B Session 2	Reports Workshop B	09:00	09:30
09:30	10:00		Opening Plenary	Plenary Session	Reports Workshop A	Workshop B Session 2	Reports Workshop B	09:30	10:00
10:00	10:30		Opening Plenary	Plenary Session	Reports Workshop A	Workshop B Session 2	Reports Workshop B	10:00	10:30
10:30	11:00		Coffee Break	Coffee Break	Coffee Break	Workshop B Session 2	Reports Workshop B	10:30	11:00
11:00	11:30		Workshop A Session 1	Workshop A Session 3	Workshop B Session 1	Coffee Break & Poster Session A	Coffee Break	11:00	11:30
11:30	12:00		Workshop A Session 1	Workshop A Session 3	Workshop B Session 1	Coffee Break & Poster Session A	Coffee Break	11:30	12:00
12:00	12:30		Workshop A Session 1	Workshop A Session 3	Workshop B Session 1	Closing Plenary & Farwell		12:00	12:30
12:30	13:00		Workshop A Session 1	Workshop A Session 3	Workshop B Session 1	Lunch	Closing Plenary & Farwell	12:30	13:00
13:00	13:30		Lunch	Lunch	Lunch	Lunch	Lunch	13:00	13:30
13:30	14:00		Lunch	Lunch	Lunch	Lunch	Lunch	13:30	14:00
14:00	14:30		Workshop A Session 2	Interactive Survey		Workshop B Session 2		14:00	14:30
14:30	15:00		Workshop A Session 2	Interactive Survey		Workshop B Session 2	ISCTSC Comittee Meeting (menbers)	14:30	15:00
15:00	15:30		Workshop A Session 2	Interactive Survey	Visit to Mafra	Workshop B Session 2	ISCTSC Comittee Meeting (menbers)	15:00	15:30
15:30	16:00		Workshop A Session 2	On site Organized Activities	Visit to Mafra		ISCTSC Comittee Meeting (menbers)	15:30	16:00
16:00	16:30		Coffee Break & Poster Session A	On site Organized Activities	Visit to Mafra	Visit to Óbidos and Conference Dinner	ISCTSC Comittee Meeting (menbers)	16:00	16:30
16:30	17:00		Coffee Break & Poster Session A	On site Organized Activities	Visit to Mafra	Visit to Óbidos and Conference Dinner	ISCTSC Comittee Meeting (menbers)	16:30	17:00
17:00	17:30			On site Organized Activities	Visit to Mafra	Visit to Óbidos and Conference Dinner		17:00	17:30
17:30	18:00	Welcome Reception		On site Organized Activities	Visit to Mafra	Visit to Óbidos and Conference Dinner		17:30	18:00
18:00	18:30	Welcome Reception		On site Organized Activities	Visit to Mafra	Visit to Óbidos and Conference Dinner		18:00	18:30
18:30	19:00	Welcome Reception		On site Organized Activities	Visit to Mafra	Visit to Óbidos and Conference Dinner		18:30	19:00
19:00	19:30	Welcome Reception		On site Organized Activities	Visit to Mafra	Visit to Óbidos and Conference Dinner		19:00	19:30
19:30	20:00	Welcome Reception		On site Organized Activities	Visit to Mafra	Visit to Óbidos and Conference Dinner		19:30	20:00
20:00	20:30	Dinner	Dinner	On site Organized Activities		Visit to Óbidos and Conference Dinner		20:00	20:30
20:30	21:00	Dinner	Dinner	On site Organized Activities	Dinner	Visit to Óbidos and Conference Dinner		20:30	21:00
21:00	21:30	Dinner	Dinner	Thematic dinner	Dinner	Visit to Óbidos and Conference Dinner		21:00	21:30
21:30	22:00	Dinner	Social Activities	Thematic dinner	Dinner	Visit to Óbidos and Conference Dinner		21:30	22:00
22:00	22:30		Social Activities	Thematic dinner	Dinner	Visit to Óbidos and Conference Dinner		22:00	22:30
22:30	23:00		Social Activities	Thematic dinner		Visit to Óbidos and Conference Dinner		22:30	23:00
23:00	23:30					Visit to Óbidos and Conference Dinner		23:00	23:30
23:30	00:00					Visit to Óbidos and Conference Dinner		23:30	00:00

Full Papers for accepted abstracts due 1 April 20

- Traditional survey methods. For which kind of data do we still need travel surveys? How can we treat traditional challenges (sampling, response rate, respondent burden, data quality...) with new technologies and emerging survey techniques?

- Big data. More and more passive big data are available in transport and mobility. How can we assess their quality and representativeness, can we develop automatic processes to enrich and use them, how can we combine them with more traditional data collection?

Subcommittee Reports

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Research Needs Statements

- https://rns.trb.org/search/search.aspx?f1=&t1=&ddlType=RNS&orgType=A&orgid=2703&txtOrgs=ABJ40%2C+Travel+Survey+Methods&sc=xx%3A%3AAll+Categories

- https://rns.trb.org/search/search.aspx?f1=&t1=&ddlType=RNS&orgType=A&orgid=2703&txtOrgs=ABJ40%2C+Travel+Survey+Methods&sc=xx%3A%3AAll+Categories

NCHRP/TCRP Proposals

- NCHRP Synthesis – February 17, 2020
- TCRP Synthesis – March 18, 2020
- IDEA – March 1 and September 1, 2020
- TCRP Projects – June 2020
  - $200k
- NCHRP Projects – November 2, 2020
  - $200-600k
- Pooled Fund Studies
- No more Quick Response (8-36)

NCHRP Proposals 2019 (emailed)

- New Technology Improvements for Collecting Traveler Behavior
  - Submitted for Synthesis by 3 States, 4 MPOs and 4 TRB Committees
  - Rejected
  - Syntheses are selected by an AASHTO committee, not by all the states
  - Only 7 are DOT members and most are in pavements and structures; several from universities
  - Recommend getting an AASHTO committee to say it's a "critical need" (Matt Hardy)

Travel Survey Inventory

- 2009 - David Hartgen and Elizabeth San Jose published "Costs and Trip Rates of Recent Household Travel Surveys"
- http://www.hartgengroup.net/Projects/National/ USA/household_travel_summary/2009-11- 11_Final_Report_Revised.pdf
- Was not selected for NCHRP Synthesis funding in 2018
- Does anyone want to take over the data and other materials and update this report?
  – If not, will pursue Ohio SPR Part 2 funding

NCHRP Proposals 2018 (emailed)

- Capturing Low-Incidence/High-Impact Travel in Household Travel Surveys
    - Submitted for full study
    - $300,000, 24 months
    - All DOTs get to vote for full studies
    - This was not selected: 12/35 planning studies were
    - Submitted by 2 DOTs, 1 MPO, 1 Committee
    - Should we resubmit this year?

Centennial Paper

- A Century of Travel Surveys Informing Transportation Investments
    - Jonathan Ehrlich, Metropolitan Council
    - Ed Hard, Texas A&M Transportation Institute
    - Anurag Komanduri, Cambridge Systematics
    - Rebekah Straub Anderson, Ohio Department of Transportation

Introduction

- Federal Road Act (1916)
  - Use of Transportation Surveys to determine needs
- HRB Bibliography No. 11
  - *The early transportation surveys were based on two fundamental principles of management. The first is that the mileage and type of improved highways developed must be such as to meet the public demand and adequately serve traffic needs. The second is that the highway program must be financially sound.*

Last 100 Years

- 1st Large-Scale Survey – 1923 Tennessee
- Roadside Interview Surveys (Intercept)
  – personal interviews, postcards and license plate recording

Fulton, NY Postcard Survey, 1948

Late 1940s – Surveys to Capture All Travel

- Cordon Intercept Survey
- Postcards to all Vehicle Registrants within the Cordon

COLUMBUS—FRANKLIN CO. TRAFFIC SURVEY

Authorized by Columbus City Council, Franklin Co. Commissioners, and Participated in by Ohio Department of Highways

Please list below ALL the trips made by your vehicle "On The Day After You Receive This Card," but DO NOT use Saturday or Sunday trips. If your vehicle makes no trips, write "NONE" across the face of the card. As soon as you have the card filled out, DROP IT IN A MAIL BOX. No postage stamp is required.

Trip No.	(Origin—Place where trip started)	(Destination—place where trip ended)
1.	from	to
2.	from	to
3.	from	to
4.	from	to
5.	from	to
6.	from	to
7.	from	to
8.	from	to

DO NOT SIGN YOUR NAME

READ INSTRUCTIONS CAREFULLY — FILL OUT CARD — TEAR OFF AND MAIL AT ONCE

1—You and your car, and the trips you make each day, are important to the solution of our traffic problems. Columbus and Franklin County are eligible for State and Federal funds to help in street improvements If We Meet Their Requirements. These funds are from taxes you have already paid. By returning this card you will aid materially in getting these funds for Columbus and Franklin County. PLEASE FILL OUT THE CARD—AND MAIL.

2—What Shall I Consider As A Trip? Answer: Mrs. Smith takes her husband to his work—that is a trip. From there Mrs. Smith goes shopping—that is another trip. Mrs. Smith then goes home—that is another trip. In other words, anyplace that Mrs. Smith stops for some purpose, is the end of one trip and the beginning of another.

3—"Origins" (Place where trip started) and "Destinations" (Place where trip ended) may be listed as an address, such as 500 North High Street, or an intersection, such as Fifth Street and High Street, or as a place, such as the Court House, State Office Building, or any of the well known stores, banks, buildings etc. Do not say you went from home to work: we don't know where you live or where you work.

4—You will have done a good job of filling this card out if, after it is finished, any other person could read it and quickly tell where the trips had started and where they ended.

5—If you have any difficulty filling the card out, call any of the following telephone numbers for assistance: Ma. 1265, Ext. 760; Ad. 7474; Ma. 2211; Ad. 4261; Ma. 1321.

6—If you have more than 8 trips, list them on another sheet and mail, or bring them to the Survey Office.

7—DON'T FAIL TO FILL OUT THE ATTACHED CARD AND MAIL. Thank you.

Director of Survey

Can then create trip tables to draw graphically on a map.

Home Interview Surveys

- 1st HIS – 1942 Toledo, Ohio by Ohio Department of Highways

Form 1

WAR EMERGENCY TRANSPORTATION STUDY
by the
CITY OF TOLEDO
in conjunction with
TOLEDO NATIONAL DEFENSE COUNCIL
and

OHIO DEPARTMENT OF HIGHWAYS   **U. S. FEDERAL WORKS AGENCY**
Highway Planning Survey   Public Roads Administration

The State, City and Civilian Defense officials who are charged with planning civilian defense and construction of streets and roads need to know more about the driving habits of the public. With the cooperation of the Joint School Defense Committee and the Superintendent of Schools the above officials are asking you to help get these facts.

PLEASE TAKE THIS FORM HOME, HAVE EACH PERSON WORKING FILL OUT ONE FORM AND RETURN TO YOUR TEACHER, ON THURSDAY, MAY 21st.
It is not necessary to sign this form.

Home Address .... Collingwood ....
                         (do not use your rural mail route address)

Individual Workers Trip Record

1. What is the address of your place of work?......... Elm
2. What method of transportation did you use to get to work today? (Wednesday, May 20th)
   - ☒ Drove automobile   ☐ Taxi
   - ☐ Passenger in automobile ☐ Walked
   - ☐ Street car   ☐ Other
   - ☐ Bus

If you drove to work today please answer the following questions:

3. What time did you leave home?..... 7:25 A.M.
4. What streets did you follow while driving to work? Give names of all streets in order of use.
   Collingwood - Bancroft - Elm

5. Where did you park your car?   ☐ On the Street
                                  ☒ Off the Street ....
                                                  (Approximate street address)
6. What time did you arrive at your place of work?.. 7:45 A.M.
7. What time did you leave your place of work?...... 4:30 P.M.

Recommended Sample Size

- 1943 – Public Roads Administration (BPR) collaborates with Census Bureau to develop sampling methods for internal travel
  - Dwelling Units
    - 20% for <100k population
    - 10% for 100-300k population
    - <10% for >300k population

Lynch Method

- In-person prior day HIS developed by I.T. Lynch, BPR

- Little Rock, Tulsa and New Orleans in 1944

- 1947 – 55 cities

National Personal Transportation Survey

- 1st NPTS – 1969 by Census Bureau for FHWA (previously BPR)

- 235 Sample Areas over all 50 states

- 1977, 1983, 1990, 1995

- NHTS – 2001, 2001,

      2009, 2017
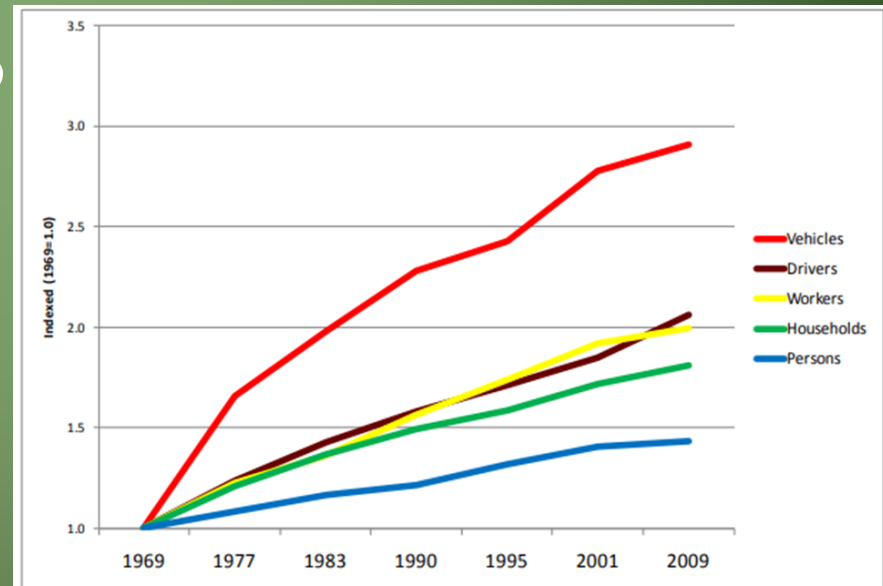
Note:

- The 1969 NPTS did not include pick-up trucks as household vehicles, therefore the growth between 1969 and 1977 is exaggerated.

Transit Rider Surveys

- 1st On-Board Survey – 1946 Washington
  - Postcard Survey with 10% response rate
- 1946 – *Manual of Traffic and Transit Studies* – American Transit Association (ATA)
- 1981 - *Bus Transit Monitoring Manual* – UMTA (now FTA) (updated in 1985)
  - 6 types of transit counts
  - 2 types of surveys (B2A, OBS)

The Committee! There at the beginning.

- Committee Number 4 of HRB
  - To research "purpose, methods, and cost of conducting traffic surveys, the significant data to be taken, and its useful applications."
- 3rd Annual Meeting
  - "There is a differentiation made between the traffic census and the transport survey: the former gives information pertaining to the traffic using the system at the time the information is obtained; the transport survey determines the probable amount and character of the future traffic which will use a given highway during the lives of its several component parts."

Travel Survey Manuals

- 1st Travel Survey Manual – "Forms for Traffic Investigations" published in the 1930 HRB Proceedings by this Committee (Committee on Highway Traffic Analysis)

- Nationally published manuals in 1944 (BPR), 1946, 1954, 1966

- *Guidelines for Designing Travel Surveys for Statewide Transportation Planning* – 1976 FHWA, updated 1996

- 1997 NCHRP – *Multimodal Transportation Planning Data: Compendium of Data Collection Practices and Sources*
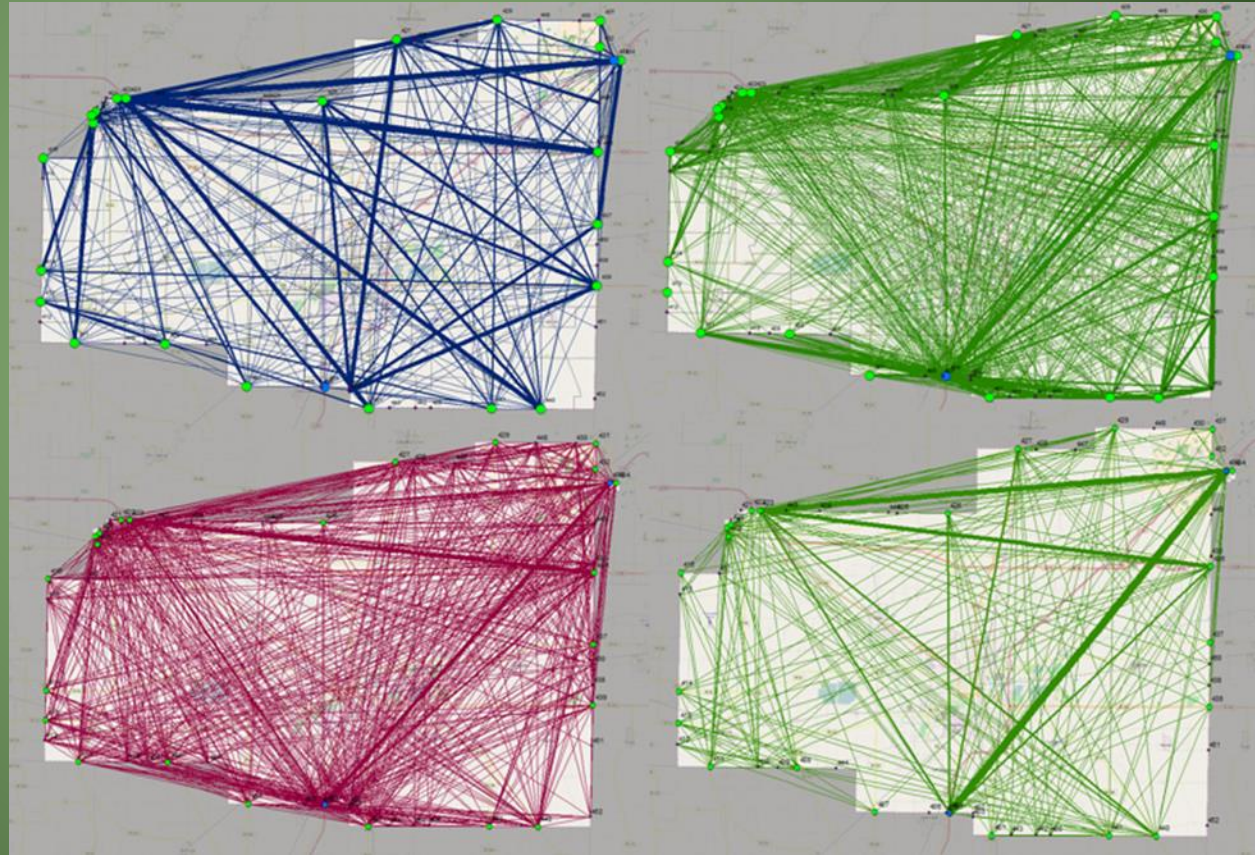
Roadside Interview Surveys – last 20 years

- Increased attention to safety

- Computer tablets replaced pen and paper

- Automatic License Plate Recognition (ALPR)

Replacements/Augments for RIS

- Passive Data – Bluetooth, GPS, Cellular, LBS Data
- Estimates of
  - Basic trip purpose
  - Residents/ visitors
- Missing
  - Mode
  - Occupancy
  - (Vehicle Type)

Home Interview Surveys – last 20 years

- 1st GPS Subsample – 2001 Oregon in-vehicle GPS devices

- 2007-2013 – Personal GPS Devices sent to HHs
  - Prompted Recall

- NCHRP 775 *Applying GPS Data to Understand Travel Behavior* – None of the methods sufficient to replace the self-reported data

- Smartphones are now state of the practice

Sampling Methods

- 1970 – Address-Based Sample (ABS) still recommended with 4 - 12.5% sample rates
- Random Digit Dialing (RDD) subsequently replaced the address sample due to reduced costs and the ubiquity of telephones
- 2008 – Reversion back to ABS due to unlisted numbers and Caller ID screening

Transit Rider Surveys – last 20 years

- On-Board Surveys now collected with Tablets
- B2A Surveys with bar code scanners
- New Datasets allow for data integration
  - Automatic Vehicle Location (AVL)
  - Automatic Passenger Counters (APC)
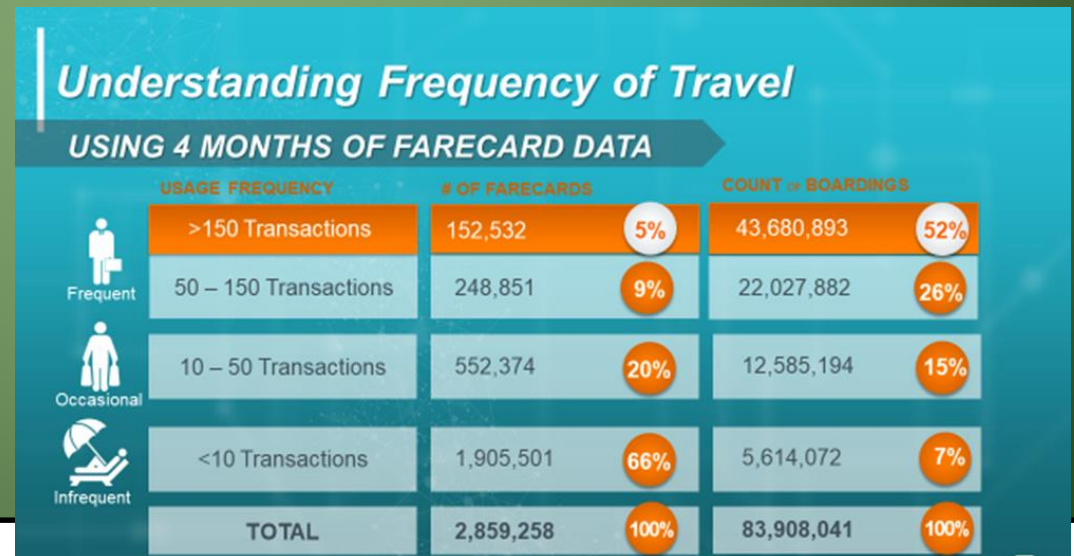 - Automated Fare Card (AFC)
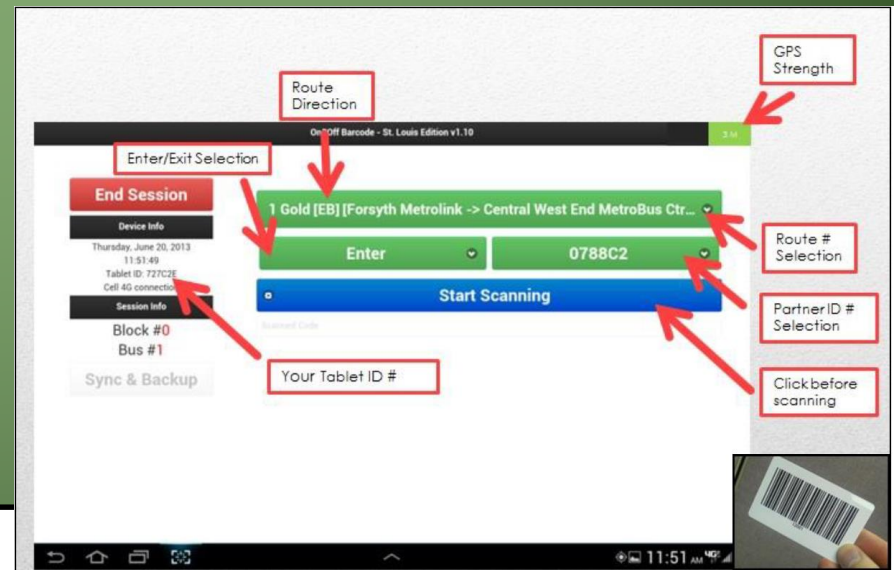
The Committee – last 20 years

- ~40 research papers each year
- 2008 Travel Survey Manual – Peter Stopher(PI)
  - 2010 – Moved TSM to Online Wiki
- Blue Ribbon Committee in 2014
- Virtual Reality for SR surveys
  - Workshops to learn how to program and use VR

Future – Passive Data and Smartphone Use

- Smartphones are increasingly used to arrange transportation as a service (not pre-planned!)
  - TNC, Carshare, Bikeshare, Scooter
- AFC and AVL data fusion to understand transit users
- Passive OD Data
  from LBS

Understanding Frequency of Travel

USING 4 MONTHS OF FARECARD DATA

USAGE FREQUENCY		# OF FARECARDS		COUNT OF BOARDINGS	
Frequent	>150 Transactions	152,532	5%	43,680,893	52%
	50 – 150 Transactions	248,851	9%	22,027,882	26%
Occasional	10 – 50 Transactions	552,374	20%	12,585,194	15%
Infrequent	<10 Transactions	1,905,501	66%	5,614,072	7%
	TOTAL	2,859,258	100%	83,908,041	100%

Future – Survey Administration

- Rising Costs due to more data-intensive travel models and lower response rates
  - Convenience samples, rising incentives
- Data Fusion with Passive Data (NextGen NHTS)
- Shorter data collection cycles are needed due to rapid changes and new questions
  - Gentrification (relocating disadvantaged populations), new travel modes, new policies (congestion pricing, limiting parking, …)

Future Challenges

- Appropriate Data Collection Methods
  - Random samples augmented with Convenience Samples
  - Transit Farecard Analytics for expansion
  - Passive data to replace RIS
- Sample Sizes will likely shrink
  - Need to augment with passive data to weight properly
- Use of Passive Data
  - NCHRP 868 *Cell Phone Location Data for Travel Behavior Analysis*
- Similar studies to explore emerging data sources

Future Challenges

- Biases in Passive Data
  - Smartphone Ownership
  - Cash Transit Fare payments
  - Older populations are slow to adopt
- Confidential Datasets
  - Few competitors selling passive datasets with proprietary methods mean the community is unsure what biases are in available products
  - Committee to encourage and support the democratization of data by:
    - Promoting research that make analytical procedures more accessible to the community
    - Developing clear dos and don'ts so new organizations looking to provide services know what the community is looking for and can tailor their services accordingly

Committee Membership

- 21 Main Members
- 5 International Members (we use these)
- 3 Young Members (4 allowed, we lost 1 last year)
- 2 State DOT Members (we use these)
- 1 Emeritus Member (Elaine)

32 Total

Committee Members

- 3 year terms
- 9 years maximum
- 1/3 of members rotate every 3 years
  - Next in 2020

- Review papers – You are committing to 3 for this committee for <u>EVERY</u> year
- Contribute to Travel Survey Wiki
- Support committee research as able

Thank you! Thank you! Thank you!

- Cynthia Bland
- Mark Bradley
- Stacey Bricka
- Elizabeth Greene
- Ed Hard

- Soheila Khoii
- Arash Mirzaei
- Ashley Tracy
- Lei Zhang

  – DOT member (1)
  – Young members (2)

  – Research Coordinator
  – Secretary

To Be Considered for Membership

- Give me your business card with "ABJ40 Membership" written on the back.

- Email your CV to:

    rebekah.anderson@dot.ohio.gov

- Note:

    – You cannot be on more than 2 committees

    – No more than 1 person per employer can be on any given committee

2020 Paper Reviews

- Committee Members are assigned 3 reviews each
- Thanks to Aly Tawfik, Cynthia Bland, Ravindra Gudishala for additional reviews!!
- Friends are limited to 2 each
- 5 submitted for Presentation Only

	2012	2013	2014	2015	2016	2017	2018	2019	2020
Papers Received	40	46	47	35	42	35	34	28	31
Paper Reviews	174	184	208	146	161	144	144	100	88
Papers with 2 Reviews									11
Papers with 3 Reviews	3	12	6	5	16	7	3	16	15
Papers with 4 Reviews	20	23	15	19	17	17	20	8	4
Papers with 5 Reviews	17	11	26	11	9	11	11	4	1
Reviews/Paper	4.35	3.98	4.43	4.17	3.83	4.11	4.24	3.57	2.84

2020 Average Scores

	# Papers	Presentation Rating
All	31	3.3
Submitted for Presentation Only	6	3.0

- 16/31 Accepted for Presentation (52%)

Presentation Rating	2012	2013	2014	2015	2016	2017	2018	2019	2020
All	3.5	3.4	3.6	3.5	3.3	3.2	3.4	3.4	3.3
Avg Score Accepted for Presentation	3.8	3.9	4.0	3.8	3.8	3.8	4.0	3.9	3.9
Avg Score Revise for Possible Publication	4.0	4.1	4.1	3.8	4	-	-	4.1	-
Avg Score Accepted for Publication	4.2	4.5	4.4	4.1	4.4	4.2	4.3	-	-

How to Conduct Paper Reviews

- If the paper has very poor grammar:
  - Give the paper a 1 for "Is the narrative clear and easy to understand?"
    Poor English grammar is sufficient grounds for rejection of the paper
  - Give "N/A" for the rest of the categories (assuming you did not review the paper – give actual numbers if you did)
  - Write a comment in the "Comments to Author" stating "This paper needed edited for English Grammar prior to submission."

How to Conduct Paper Reviews

- Data Valid: – Are the data collected or used for the project sufficient to actually draw a conclusion?

- Comments to Author – You should always put something here. Review coordinators primarily use this box to determine whether to accept or reject the paper, <u>especially</u> if it is on the cusp.

Comments to Author

- You do <u>not</u> need to:
  - Correct typos or grammar unless it is something a technical editor will not pick up (e.g. subscript is wrong in a formula)
  - Give a summary of the paper
- You should:
  - Say one nice thing if you can ("This is an intriguing concept."
  - Point out other research that is relevant if not included in the Lit Review/References
  - Give suggestions on how the research could be made better/more thorough/have a wider range/more practical
  - Critique the researcher's study if there are any major or minor problems

Comments to Editor

- These are also very helpful. You do not <u>need</u> to add comments if you commented above, but they are heavily encouraged
- Include:
  - "This paper has problems with grammar and should not be accepted." if applicable
  - Whether a poster or lectern session is more suitable
  - If you have seen this published elsewhere
    - "Generally a decent paper. Worth presenting. I wouldn't publish it, but it's not bad."
    - "This is essentially a case study and gives survey results without any validation."
    - "Premature" or "Nothing new"
    - "Generally, the best paper I've seen on this topic in a while."
    - "Complete waste of time. At least it was short."

Rating for Presentation

- 5 – Best thing you've ever seen. Definitely P/P.
- 4 – Very good. Should be Presented.
- 3 – Okay. Probably shouldn't be Presented.
- 2 – Has problems.
- 1 – Has significant problems or poor grammar.

Publication

- Generally the <u>Rating</u> is used to determine whether the paper is accepted.

- Note that <u>all</u> papers are edited by a Technical Editor before they are published in TRR.
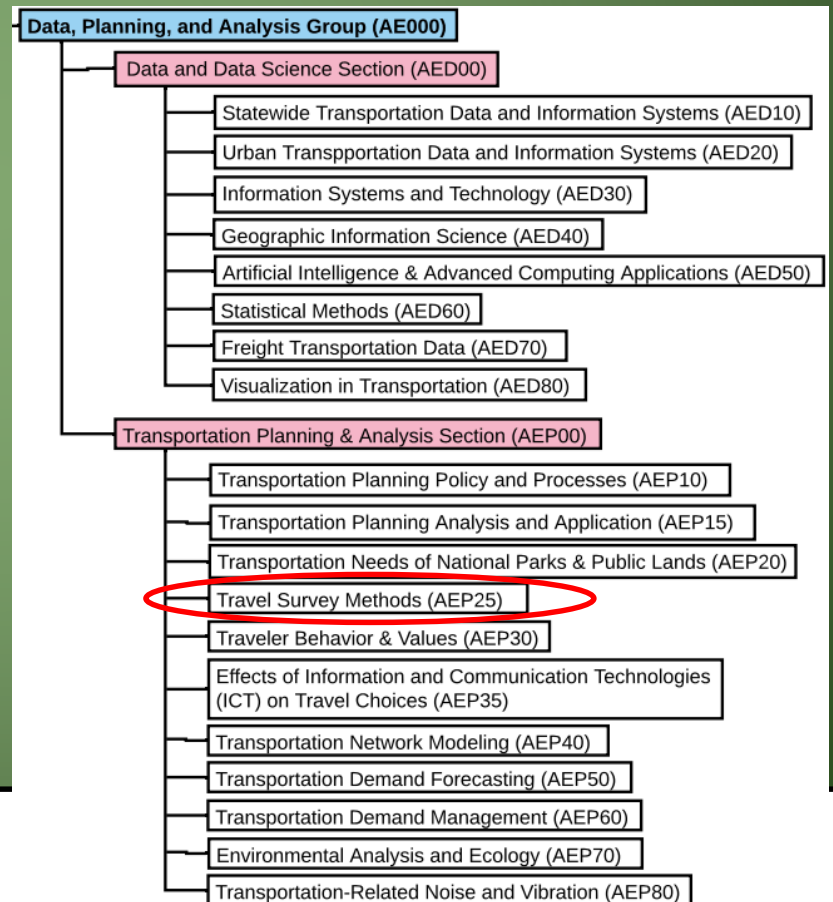
- TRB Editors make the final decision regarding Publication.

Data Section and Other TRB News

- Coco Briseno, ABJ00 Section Chair

- Tom Palmerlee, TRB

TRB Committee Realignment

- http://www.trb.org/AboutTRB/TADStrategicAlignment.aspx
- http://www.trb.org/AboutTRB/TADStrategicAlignment.aspx

- Goes into effect

    April 2020

- AEP25

Committee Realignment - Subcommittees

- Subject matter subcommittees are call "subcommittees." (vs. Admin. = "Task Force")
- Currently 250 – goal is 200
- Approved by TRB
- Term is 5 years and may be renewed
- Subcommittees must be addressed in the TSP
  – Scope & activities to achieve committee's goals

Action Plan – 2020

2020 Planned Actions	Planned Actions	Dates
Meetings	• 2020 AM • Mid-year meeting by conference call	• January 15, 2020 • 11am EDT Thursday, July 9, 2020 (3pm GMT)
Membership	• 9 members need rotated off • New committee Structure in effect April 2020	• Recommendations due to TRB staff by February 15, 2020. • New Committee code is AEP25. TRB Staff member may change as Committee is moving to the Planning Section.
Research Needs Statements	• Update TRB database to reflect current RNSs. • Identify datasets appropriate for each RNS. • Rank RNSs. • Determine appropriate funding sources for each RNS.	• February 2020 • June 2020 • June 2020 • June 2020 mid-year meeting
Wiki Migration to GitHub	• Give an update of the Wiki transition. • Create framework for new GitHub Wiki • Assign tasks with quarterly deadlines to complete pages.	• January 15, 2020 • March 15, 2020 • April 15, 2020

Action Plan - 2020

CRP Proposals	• Potential Synthesis proposal	• February 17, 2020
	• Potential full NCHRP Proposal	• November 2, 2020
Conferences	• International Conference on Transport Survey Methods	• May 31-June 5, 2020
	• Innovations in Travel Modeling	• June 14-17, 2020
Communications	• Maintain Committee's website	• Ongoing
Paper Reviews	• Coordinate and conduct paper reviews for 2021 Annual Meeting	• September 30, 2020

Action Plan - 2020

Other Collaborations include:
- ADB40 (AEP50), ADB45 and ADB50 (AEP15) regarding the use of survey data to ensure that the survey community continues to meet the needs of the user community
- ABJ30 (AED20) regarding the development of Big Data.
- ABJ10 (AED10) for Long Distance and National Surveys.
- ADA30
- ADB45 regarding the TFResource.org move of the online travel survey manual.
- Develop and maintain relations with the Planning and Environment Group to disseminate the RNSs to students in need of research topics.

Obstacles and Challenges: The biggest obstacle continues to be the lack of time on the part of committee members and friends to update the RNSs and Survey Manual Wiki. By issuing quarterly deadlines, it is hoped that these tasks will remain on volunteers' calendars and additional work will be accomplished.

Triennial Strategic Plan 2018-2020

- Emailed to Friends/Members
- No updates from draft handed out at 2018 AM
- Emailed out with the agenda
- Email me with any comments to be made this year for the 2021-2023 TSP
- To be discussed at July 9, 2020 mid-year meeting

- Focuses should include Big Data and Data Privacy

TRB 2021 Annual Meeting

- January 24-28, 2021 – 100th Annual Meeting
  - Date change from Jan 31-Feb 4, 2021
- Workshop Ideas
- 2 Podium Sessions
  - One to feature papers
  - One for Best Papers from ICTSM

Committee Website

- http://travelsurveymethods.org

- https://www.travelsurveymethods.org/wordpress/

Travel Survey Manual Websites

- http://www.travelsurveymanual.org/
- http://tfresource.org/Category:Travel_surveys

- http://www.travelsurveymanual.org/
- http://tfresource.org/Category:Travel_surveys

- A sign-up sheet was passed last year. Let me know if you want to sign up for section working groups.

Travel Survey Manual

- HTS – 14
- External – 2
- Transit – 6
- Com. Veh. – Anurag
- Visitor – 2
- Establishment – 5
- Parking – ZERO
- SR – Zak

- LD – 4
- Longitudinal – 3
- Emerging Tech – 2
- Emerging Topics – Stacey
- Survey Archiving – Jeff Gonder

- Black are NEW

Travel Survey Manual

- Working Group to revise organization of each type of survey
  - HTS
  - External
  - Transit
  - CVS
  - Workplace
  - Visitor
  - Parking
  - SR
  - Long-Distance
  - Longitudinal

Travel Survey Manual

1. Establish Working Groups by Survey Type
2. New Chapter Outline (March 2020)
   - Will note whether new section, or copy/revise section
3. At mid-year meeting, sign-ups for filling out the Chapter Outline.