

# An Overview of the NHTS Program

## Past, Present, and the Future



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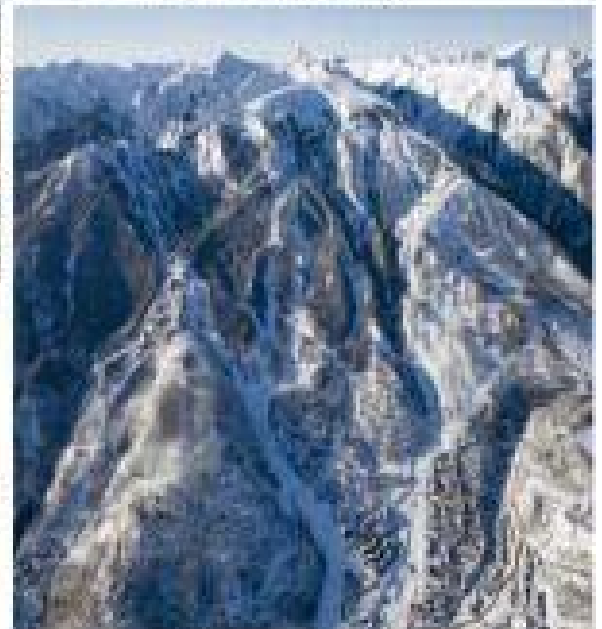
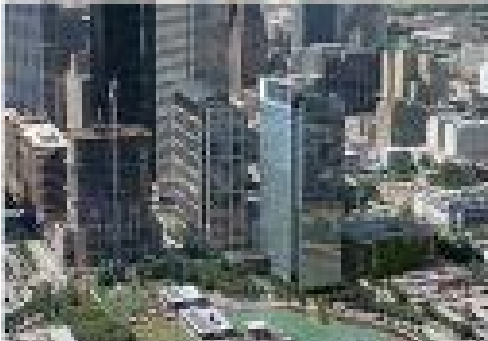
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# We Travel to...



# Our Goal

... is to have a system where people can go from one place to another **safely, reliably, efficiently, and affordably** for both **now** and the **future**.

# NHTS

...provides the relationship between travel behavior and social, economical and other factors.

- 1: Why – purpose of travel
- 2: How – what mode
- 3: When – what time and what date
- 4: Frequency – number of trips
- 5: others

# NHTS = Enabler



# Lt. Col. Dwight D. Eisenhower's WWI Data





# General Dwight D. Eisenhower's WWII Data



“The old convey had started me thinking about good, two-lane highways, but the Germany had made me see the wisdom of broader ribbons across the land.”

# President Dwight D. Eisenhower's Action

## Federal-Aid Highway Act of 1956

- 1: Redefined the Interstate System as the National System of Interstate and Defense Highways.
- 2: Meet projected demand of year 1975
- 3: Expand the system to 41,000 miles
- 4: Establish Highway Trust Fund





# The 1969 National Survey on Travel Behavior

- The 1969 Nationwide Personal Transportation Survey was administered by the newly created FHWA
- Understand Demographics and Travel Behaviors
- 15,000 Household were interviewed

# 1977 NPTS

- Travel behaviors as related to social and economic characteristics of trip makers
- The survey questionnaires were updated to better address then-current issues (e.g., urban and rural travel...)
- ~ 18,000 households were interviewed

# Key Transportation Initiatives in the 60s and 70s

- Highway Act of 1970 :
  - Urban System added
  - Bus lanes and some transit projects became eligible for highway funding
- Clean Air Amendments of 1970 and 1977
  - SIP and NAAQS
- 1969 National Environmental Policy Act

# The 1983 & 1990 NPTS

Core: travel behavior and social , economic , and safety factors.

1983- the then new issue : use of safety devices in household vehicles including seat belts and child safety seats.

~ 6,500 households were face interviewed

1990 – the then new issue: vehicle accidents that members of the household had experienced

~ 18,000 households - random-digit dialing (RDD)

# Major Transportation Initiatives in the 70s and 80s

## **Surface Transportation Assistance Act (STAA) of 1982**

- Federal fuel tax increase
- Transit Account Creation
- 21 drinking age requirement
- 4R emphasis - reconstruction, resurfacing, restoring, & rehabilitating

## **The Surface Transportation and Uniform Relocation Assistance Act of 1987 (STURAA)**

- Pilot toll program created
- Earmarks
- Implementation of the Uniform Act

# 1995 NPTS

Core questions: travel behavior, social, economic factors

## **The new questions:**

- public's perceptions of, or satisfaction with, the nation's transportation system,
- identify perceived difficulties in travel\
- ~ 21,000 households (national sample) + 21,033 add-ons households = a total of 42,033 interviewed households.



# The 2001 NHTS

- FHWA and BTS - combined the Nationwide Personal Transportation Survey (NPTS) and the American Travel Survey (ATS) – National Household Travel Survey
- ~ 26,038 national samples + 43,779 Add-ons households = 69,817 households

# Major Transportation Initiatives in the 90s and the 21<sup>st</sup> Century

## Intermodal Surface Transportation Efficiency Act 1991 - ISTEA

- Formalize MPOs roles
- New program structure –  
    NHS, STP, CMAQ, IM, Bridge, Safety Set-asides
- Fund Transferability & Usage Flexibility

# Major Transportation Initiatives in the 90s and the 21<sup>st</sup> Century

## Transportation Equity Act for the 21st Century 1998- TEA21

- 40% increase in funding
- New “firewalled” accounts for highway and transit accounts.

# Key Transportation Initiatives in the 90s and the 21<sup>st</sup> Century

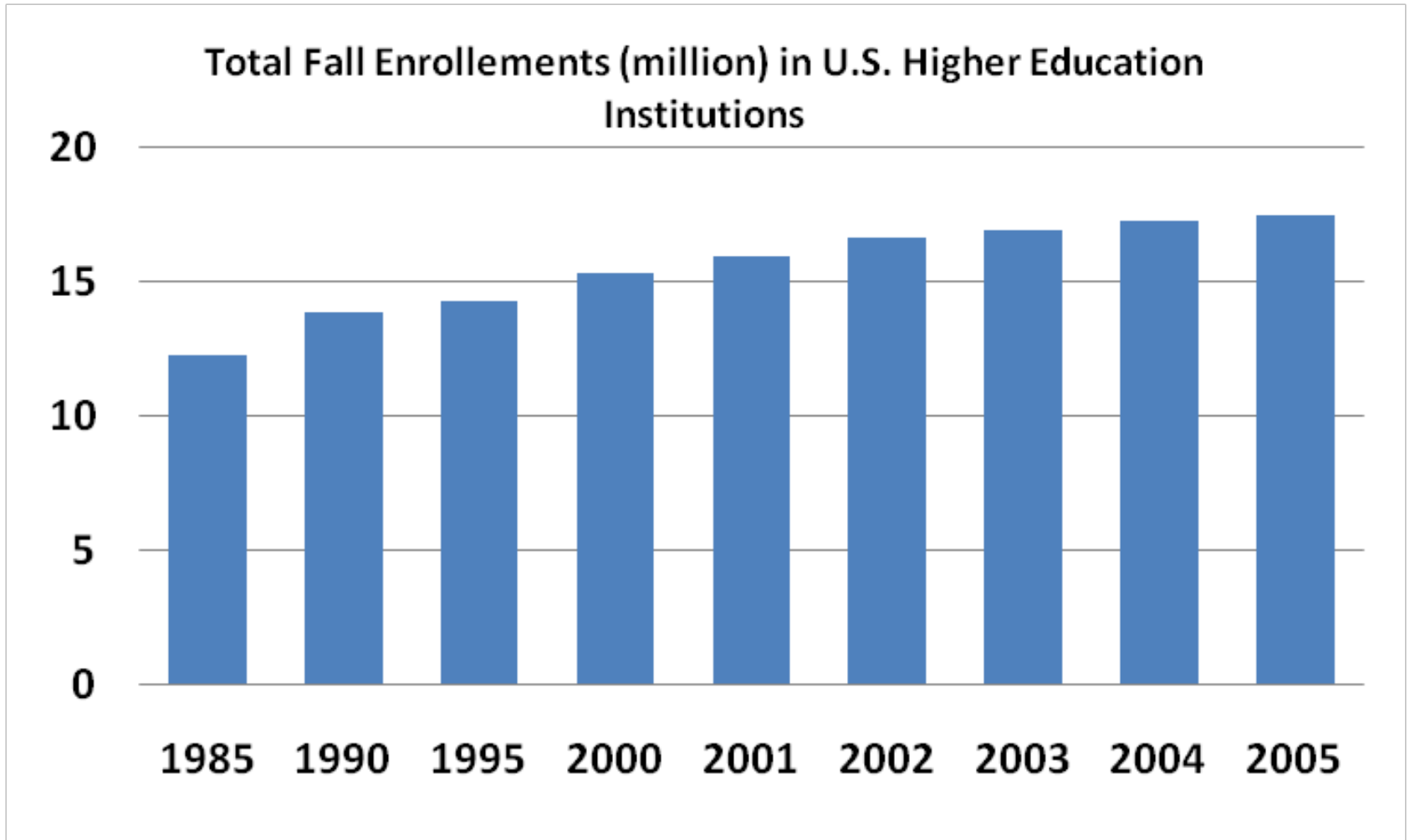
## Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users – 2005

- Continues historical trends – more of everything
- New safety funding category
- Safe Routes To School funding
- Earmarks - 5,500 +

# 2009 NHTS

- Core Issues – Behavior, social and economic factors
- New Issues: aging, immigration, bike, and walk
- ~ 25, 000 Households (national sample) + 125,000 Add-ons = 150,000 households

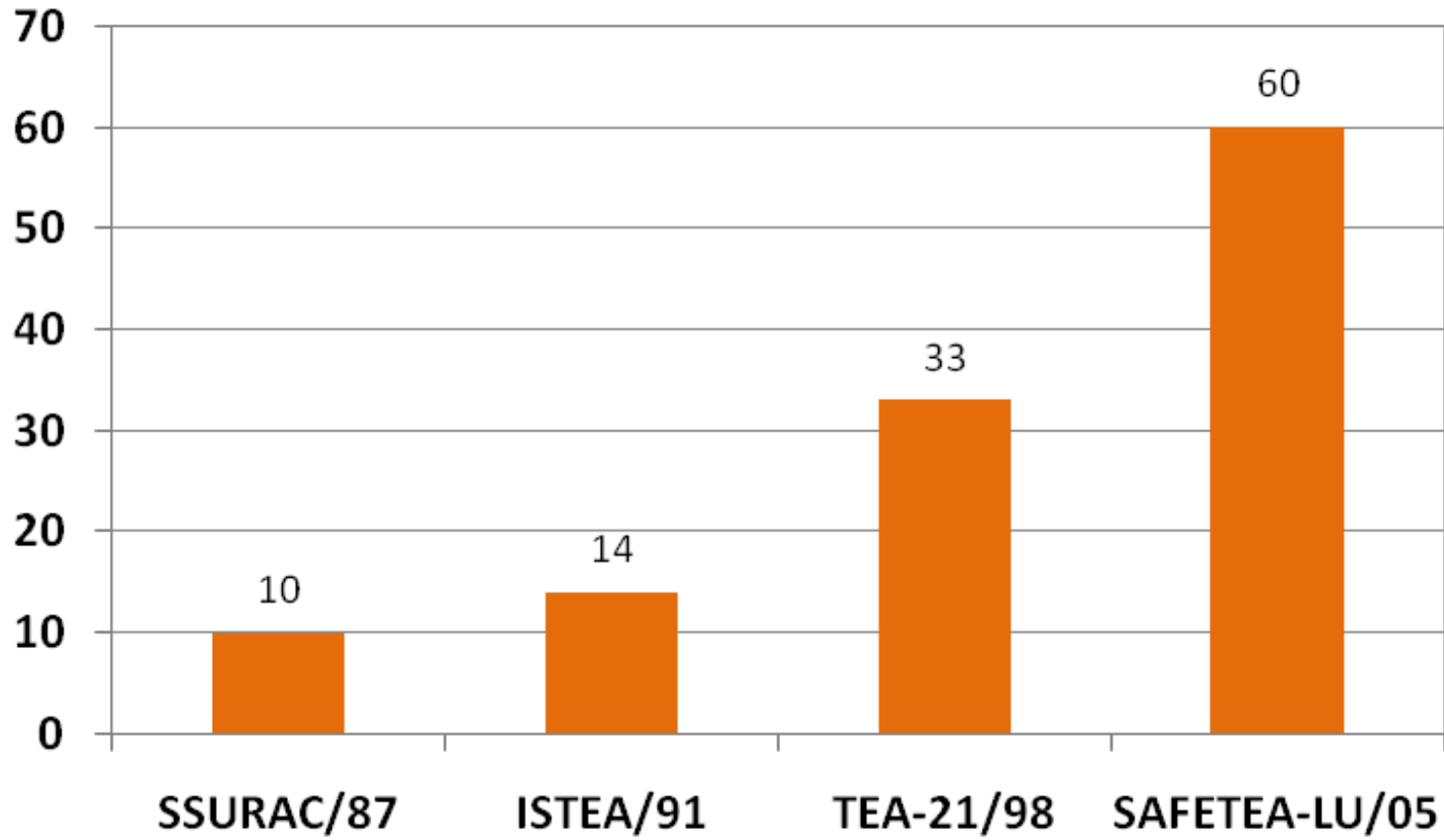
# Other Changes





# Other Changes

## The Growth of University of Transportation Centers (UTC)



# Other Changes

## The MPOs – 384 Strong

### Alabama

Alabama Tombigbee Regional Commission  
 Birmingham Regional Planning Commission  
 Central Alabama Regional Planning and Development Commission  
 East Alabama Regional Planning and Development Commission  
 Lee-Russell Council of Governments  
 North-Central Alabama Regional Council of Governments  
 South Alabama Regional Planning Commission  
 South Central Alabama Development Commission  
 Southeast Alabama Regional Planning and Development Commission  
 TARCOG-Top of Alabama Regional Council of Governments  
 WARDC-West Alabama Planning & Development Council

### Arizona

Flagstaff Metropolitan Planning Organization  
 MAG-Maricopa Association of Governments  
 MACOG-Northern Arizona Council of Governments  
 PAA-Pima Association of Governments  
 South-Eastern Arizona Governments Organization  
 Western Arizona Council of Governments  
 Yuma Metropolitan Planning Organization

### Arkansas

Metropolitan - Little Rock  
 WARDC-West Central Arkansas Planning & Development District, Inc.

### California

ABAG-Association of Bay Area Governments (SF Bay Area COG)  
 BLAG-Butte County Association of Governments  
 COGOG-Council of Fresno County Governments  
 Council of San Benito County Governments  
 Coachella Valley Association of Governments  
 MCAG-Merced County Association of Governments  
 MTC-Metropolitan Transportation Commission (SF Bay Area MPO)  
 Kern Council of Governments  
 Kings County Association of Governments  
 Kern County Council of Governments  
 Association of Monterey Bay Area Governments  
 Orange County Council of Governments  
 SACOG-Sacramento Area Council of Governments  
 San Bernardino Associated Governments  
 SANDAG-San Diego Association of Governments  
 SACAG-Santa Barbara County Association of Governments  
 SCA's-Southern California Association of Governments  
 SCRTPA-Shasta County Regional Transportation Planning Agency  
 SDDO & SPO-Sierra Economic Development District & Sierra Planning Organization  
 SDCOG-San Gabriel Valley Council of Governments  
 SIOCG-San Joaquin Council of Governments  
 SLOCOG-San Luis Obispo Council of Governments  
 StanCOG - Stanislaus Council of Governments  
 WVCOG-Western Riverside Council of Governments

### Colorado

DRCOG-Denver Regional Council of Governments  
 Northwest Colorado Council of Governments  
 Pikes Peak Area Council of Governments  
 Pueblo Area Council of Governments (PACOG)  
 W Colorado Transportation Planning Commission

### Connecticut

CCRPA-Central Connecticut Regional Planning Agency  
 CRICOG-Capitol Region Council of Governments  
 CRERP-The Connecticut River Estuary Regional Planning Agency  
 Council of Governments of the Central Naugatuck Valley  
 South Central Regional Council of Governments <SCRCOG>  
 Western Region Council of Governments

### Delaware

Dover/Kent County MPO  
 WMAPO-Wilmington Area Planning Council (DE/MO)

### Florida

Brevard Metropolitan Planning Organization  
 Central Florida Regional Planning Council  
 Charlotte County/Punta Gorda Metropolitan Planning Council  
 Collier County Metropolitan Planning Organization  
 East Central Florida Regional Planning Council  
 Florida Metropolitan Planning Organization  
 Florida MPO Advisory Council  
 Hillsborough County MPO  
 Hillsborough County Planning Commission  
 Lee County Metropolitan Planning Organization  
 Metropolitan Orlando  
 Metropolitan Planning Organization for the Miami Urbanized Area  
 North Central Florida Regional Planning Council  
 Northeast Florida Regional Planning Council  
 Palm Beach County Metropolitan Planning Organization  
 Sarasota-Manatee Metropolitan Planning Organization  
 SFCOG-South Florida Regional Planning Council  
 Tampa Bay Regional Planning Council  
 Volusia Metropolitan Planning Organization  
 West Florida Regional Planning Council  
 Wilkopcochee Regional Planning Council

### Georgia

Altway Planning & Development  
 Atlanta Regional Commission  
 CSRA-Central Savannah River Area Regional Development Center

Indianapolis Metropolitan Planning Organization  
 Madison County Council of Governments  
 Michiana Area Council of Governments  
 Northwestern Indiana Regional Planning Commission  
 Wagoner County Area Plan Commission

### Illinois

Area XV Regional Planning Commission  
 In-Style Regional Commission  
 East Moline MPO  
 East Central Intergovernmental Association  
 East Central Iowa Council of Governments  
 Iowa Northland Regional Council of Governments  
 Metropolitan Area Planning Agency  
 Midco Council of Governments  
 Northwest Iowa Planning and Development Commission  
 Region Six Planning Commission  
 Region XII Council of Governments  
 NTRCO-Southern Interstate Metropolitan Planning Council  
 Southeast Iowa Regional Planning Commission  
 Southern Iowa Council of Governments  
 West-Foxland Regional Planning Commission

### Kentucky

Green River Area Development District  
 Kentuckyana Regional Planning and Development Agency (Kentucky/Indiana)  
 Lexington Area MPO  
 Ohio-Kentucky-Indiana Regional Council of Governments (OKI-Kentucky-Indiana)

### Louisiana

LA Fayette MPO  
 Northwest Louisiana Council of Governments  
 Regional Planning Commission for Jefferson, Orleans, Plaquemines, St. Bernard, and St. Tammany Parishes  
 West Louisiana Regional Development Commission

### Maine

Androscoggin Valley Council of Governments  
 Eastern Maine Development Corporation  
 Hancock County Planning Commission  
 KVCOG-Kennebec Valley Council of Governments  
 Mid-Coast Regional Planning Commission  
 NMDC-Northern Maine Development Commission  
 Penobscot Valley Council of Governments  
 Greater Portland Council of Governments  
 South Maine Regional Planning Commission  
 Washington County Council of Governments

### Massachusetts

Berkshire Regional Planning Commission  
 Boston Metropolitan Area Planning Council  
 Boston Region Metropolitan Planning Organization  
 Cape Cod Commission Information Center  
 Central Massachusetts Regional Planning Commission  
 Franklin Regional Council of Governments  
 Haverhill Valley Planning Commission  
 Northshet Regional Planning Commission  
 Massachusetts Regional Planning & Economic Development Commission  
 Northern Middlesex County Council of Governments (NMMCOG)  
 Pitt Colony Planning Council  
 SDC-Spinner Valley Planning Commission  
 South-Central Regional Planning and Economic Development District

### Michigan

ELCOG-East Leelanau Michigan Council of Governments  
 ELCOG-Regional Planning Commission (Clinton, Eaton and Ingham Cos.)  
 West Michigan Interlocal Regional Development Commission

### Minnesota

Archdiocese Regional Development Commission  
 Duluth Superior Metropolitan Interlocal Council  
 Fargo-Moorhead Metropolitan Council of Governments  
 Metropolitan Council  
 S. Clove Area Planning Organization (email link)

### Missouri

Beaumont Regional Planning Commission  
 East-West Gateway Coordinating Council (St. Louis Region)  
 Green Hills Regional Planning Commission  
 Harry S. Truman Coordinating Council  
 MARC-The Mid-America Regional Council  
 Rappahannock Basin Regional Planning Commission  
 Mark Twain Regional Council of Governments  
 Meramec Regional Planning Commission  
 Mid-America Regional Council  
 Mid-Missouri Regional Planning Commission  
 No-an Regional Council  
 Northeast Missouri Regional Planning Commission  
 Northwest Missouri Regional Council of Governments  
 South Central Ozark Council of Governments  
 Southwest Missouri Regional Planning & Economic Development Commission  
 Southwest Missouri Regional Development District

### Nebraska

NEBPO-Northeast Nebraska Economic Development District

### New Hampshire

Southern New Hampshire Planning Commission

### New Jersey

DRVIC-The Delaware Valley Regional Planning Commission  
 New Jersey Transportation Planning Authority

### New Mexico

Mid-Region Council of Governments  
 New Mexico Association of Regional Councils

### New York

Central District Regional Planning Commission  
 Central District Transportation Committee (MPO)  
 Central New York Regional Planning & Development Board  
 Elmira-Chenango Transportation Council  
 Genesee-Finger Lakes Regional Planning Council  
 Greater Buffalo-Niagara Regional Transportation Council  
 Hamlet-Tonawanda-Saratoga Regional Council  
 Hudson Valley Regional Planning Council  
 New York Metropolitan Transportation Council  
 New York State Regional Planning and Development Board  
 Southern Tier Central Regional Planning & Development Board  
 Sullivan County Regional Transportation Council

### North Carolina

Ashe-Watauga MPO  
 Capital Area Metropolitan Planning Organization  
 Cape Fear Council of Governments  
 Centralina Council of Governments  
 Council of Six Regional Councils  
 NWRCO-Northeast Piedmont Council of Governments  
 Triad Council of Governments  
 Western Piedmont Council of Governments

### North Dakota

Fargo-Moorhead Metropolitan Council of Governments

### Ohio

Alcon Metropolitan Area Transportation Study  
 Bell-O-Mar Regional Council and Interstate Planning Commission  
 Greater Hocking-Jefferson County Metropolitan Planning Organization  
 Clark County-Springfield Transportation Coordinating Committee  
 Marietta Regional Council of Governments  
 The Regional Planning Commission  
 Lima-Allen County Regional Planning Commission  
 Licking County Area Transportation Study  
 Maumee Valley Regional Planning Commission  
 NWRCO-Mid-Ohio Regional Planning Commission  
 Northeast Ohio Areawide Coordinating Agency

### Oklahoma

Association of Central Oklahoma Governments  
 TCCOG-Voluntary Association of Local Governments Serving Creek, Osage, Tulsa, and Wagoner Counties

### Oregon

Oregon Cascades West Council of Governments  
 Lane Council of Governments  
 METCO-Serving Portland and the surrounding counties  
 Rogue Valley Council of Governments  
 The Salem-Katzer Area Metropolitan Planning Organization (SKATZ)  
 Southwest Washington Regional Transportation Council  
 WYUWA Regional Council of Governments

### Pennsylvania

Centre County Metropolitan Planning Organization  
 DRVIC-Delaware Valley Regional Planning Commission (PA/NJ/DE)  
 Lehigh Valley Transportation Coordinating Committee  
 LYVC-Lehigh Valley Planning Commission  
 PIA-Pennsylvania Interlocal Association  
 Susquehanna Pennsylvania Commission

### Rhode Island

Rhode Island State Planning Council

### South Carolina

ACOG-Associated Council of Governments  
 Berkeley-Charleston-Dorchester COG  
 Central Midlands Council of Governments  
 South Carolina COG Map

### South Dakota

Planning & Development District III

### Tennessee

Tennessee Department of Transportation  
 Chattanooga Hamilton County Regional Planning Agency  
 Jackson Urban Area Metropolitan Planning Organization  
 Johnson City Metropolitan Transportation Planning Organization  
 Knoxville MPO  
 Knoxville Area MPO

### Texas

Area Council of Governments  
 Ark-Tex Council of Governments  
 BSMCO-Bryan-College Station MPO  
 BVDC-Brazos Valley Council of Governments  
 CAPCO-Capitol Area Planning Council  
 CAMPO-Central Area Metropolitan Planning Organization  
 Central Texas Council of Governments  
 Coastal Bend Council of Governments  
 Concho Valley Council of Governments  
 Corpus Christi Metropolitan Planning Organization  
 Deep East Texas Council of Governments  
 East Texas Council of Governments  
 Golden Crescent Regional Planning Commission  
 Heart of Texas Council of Governments  
 H-GAC, Houston-Galveston Area Council  
 Houston Granddams Development Council  
 Middle Rio Grande Development Council  
 North Texas Regional Planning Commission  
 NCTCOG-North Central Texas Council of Governments  
 Panhandle Regional Planning Commission  
 Rio Grande Council of Governments  
 San Antonio-Bexar County Metropolitan Planning Organization  
 Sherman-Denton Metropolitan Planning Organization  
 SETPC-South East Texas Regional Planning Commission  
 SRA-South Plains Association of Governments  
 South Texas Development Council  
 Tarrant Council of Governments

### Utah

Utah Metropolitan Planning Organization  
 MRA-Bear River Association of Governments  
 Five County Association of Governments  
 Mountain Association of Governments  
 Six County Association of Governments  
 Southeastern Utah Association of Local Governments  
 Uintah Basin Association of Governments  
 Wasatch Front Regional Council

### Vermont

Adirondack County Regional Planning Commission (ACRPC)  
 Bennington County Regional Commission  
 Central Vermont Regional Planning Commission  
 Chittenden County Metropolitan Planning Organization  
 Lamoille County Planning Commission  
 Northeastern Vermont Development Association  
 Northwest Regional Planning Commission  
 Rutland Regional Planning Commission  
 Southern Windsor County Regional Planning Commission  
 Two Rivers/Ostegoquechee Regional Commission  
 Vermont Regional Commission

### Virginia

Virginia Association of Planning District Commissions  
 Central Shenandoah Planning District Commission  
 Cumberland Plateau Planning District  
 Hamilton-Bayard Planning District Commission  
 Loudovisio Planning District Commission  
 Middle Peninsula Planning Commission  
 Mount Rogers Planning District Commission  
 New River Valley Planning District Commission  
 Northern Neck Planning District Commission  
 Northern Shenandoah Valley Regional Commission  
 Northern Virginia Regional Commission  
 Rappahannock Area Development Commission  
 Richmond Regional Planning District Commission  
 Shenandoah Planning District Commission

### Washington

Cowlitz-Wahakium Council of Governments  
 Grays Harbor Council of Governments  
 Puget Sound Regional Council  
 Skagit County/Kernah-Washouli-Franklin Council of Governments  
 Spokane Regional Transportation Council  
 Whatcom County Council of Governments

### West Virginia

Beil-O-Mar Regional Council  
 Lime-Allen County Regional Planning Commission  
 (intergovernmental Council)

### Wisconsin

Bay Lake Regional Planning Commission  
 Dane County Regional Planning Commission  
 East Central Wisconsin Regional Planning Commission  
 Houshoush Regional Planning Commission  
 North Central Wisconsin Regional Planning Commission  
 Northwest Wisconsin Regional Planning Commission  
 Southeastern Wisconsin Regional Planning Commission  
 Southwestern Wisconsin Regional Planning Commission  
 West Central Wisconsin Regional Planning Commission

# Transportation Demand Changes

1. Population growth
2. Demographic change
3. Environmental concern
4. Resource constrain
5. Public Awareness
6. Media Coverage

# Future Travel Behavior Data

**Objective** – travel behavior, social, economical, and demographic relationships

- 1: local and inter-regional travel
- 2: mode of travel – multimodal
- 3: constrain – energy and environments
- 4: resources - revenue and funding

# Our Goal

... is to have a system where people can go from one place to another **safely, reliably, efficiently, and affordably** for both **now** and the **future**.

# **Thank you!**

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