

Delineation of TAZs for the 2010 Census Transportation Planning Products (CTPP)

Robert E. Griffiths

Travel Forecasting Subcommittee Meeting

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Purpose

- Define CTPP Transportation Analysis Zones (TAZs) and Transportation Analysis Districts (TADs) for tabulation of 5-year and 3-year Census American Community Survey (ACS) Data

What is the ACS?

- ACS is a nationwide continuous survey conducted by Census Bureau
- A sample of households interviewed every month
 - 21 questions about the housing unit
 - 48 questions about each person
- Replaces Long Form Used in the 2000 Decennial Census

ACS/Decennial Census Long Form Differences

- Previous Decennial Census Long Form
 - Single Point in Time - April 1st
 - Sampling Rate about 1 in 6
 - All Data for Small Area Geography
- ACS
 - Continuous Year Round
 - Annual Sampling Rate about 1 in 40
 - Only Multi-Year (5-year) for Small Area Geography (1 in 11 effective sampling rate)

ACS Data Products

- Multiple Products for Different Geo Levels
 - 1-Year Data for Places with 65,000+ Population
 - 3-Year Data for Places with 20,000+ Population
 - 5- Year Data for Places with < 20,000 Population
 - 1-Year, 3-Year and 5-Year PUMS data for PUMAs with 100,000+ Population
- All ACS Estimates have an Associated “Margin of Error” based the Sample Size
 - Generally, the fewer number of years and the smaller the geography, the higher margin of error

CTPP TAZs and TADs

- CTPP TAZs to be used to tabulate 5-year ACS data (2006-2010)
- CTPP TADs to be used to tabulate 3-year ACS data (2008-2010)?

CTPP TAZ Delineation Rules

- Census Bureau to provide TAZ delineation software to MPOs and State DOTs
- TAZs must nest within Counties
- Recommended minimum thresholds of at least 1,200 resident pop, 600 resident workers or 600 at place workers .
- TAZs below minimum thresholds risk disclosure avoidance data suppression
- NCHRP Project 08-79 “Synthetic Data that Comply with Disclosure Rules?”

CTPP TAD Delineation Rules

- TADs are aggregations of TAZs
- Required minimum threshold of at least 20,000 resident population (3-year ACS)
- TADs must nest within a MPO region
- TADs can cross county boundaries

CTPP TAZ Delineation Schedule

- January – TRB Workshop
- March-April TAZ/TAD Delineation
Software Deployed
- April-May TAZ/TAD Delineation Occurs
- June – Early July TAZ/TAD Delineation
Completed
- Fall 2012 - Five-Year CTPP (2006-2010)

CTPP TAZ Delineation Process

- Work through Travel Forecasting Subcommittee
- Coordinate with DDOT, MDOT, VDOT, BMC and FAMPO
- TPB staff “first cut” – Intelligent Aggregations of 3722-TAZs
- Final Review Travel Forecasting Subcommittee in May
- Submittal to Census Bureau in June

Questions?