

Florida DOT Model Task Force December 1, 2010

Topics

- 2010 Census
- Urbanized Areas
- ACS
- CTPP
 - 3-year (06-08)
 - 5-year CTPP
 - TAZs



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A Lot is Coming at Us

ACS1 (2009 data)	September 28, 2010
3-year CTPP ('06, '07, '08 data)	October/November 2010
Puma Criteria (Federal Register)	Fall 2010
Urban Area Comments Due	November 22, 2010
ACS5 ('05, '06, '07, '08, '09)	December 2010
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2010 Tiger Files (new Block, BG and Tracts)	Flow Base completed by end of February 2011
2010 Population Counts for all Census geography (PL 94-171)	By April 1, 2011

Data Products Trainings Boundaries

TAZ/TAD Delineation Software Deployed	April 2011
TAZ/TAD Defined	Spring/ Summer 2011
Summary File 1	June to August 2011
New PUMAs Defined	Fall 2011
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5-year CTPP ('06, '07, '08, '09, '10)	Fall 2012
Tiger with Urbanized Areas and Urban Clusters	Fall 2012

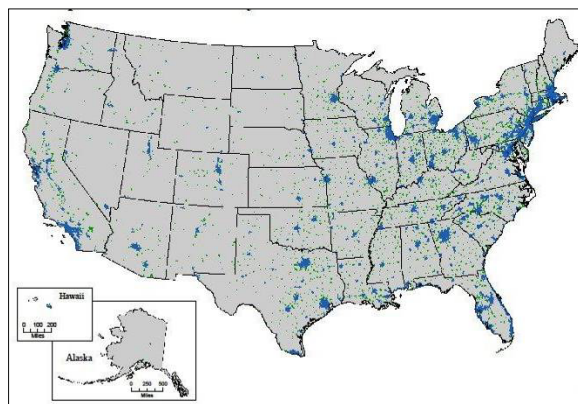
2010 Census results: block level data

- Congressional apportionment and re-districting
- PL-94-171 block level data
- Summary File 1
- Urbanized Areas

Urban Areas, defined by Census Bureau

Urbanized Areas
(50,000+)
circa 1950

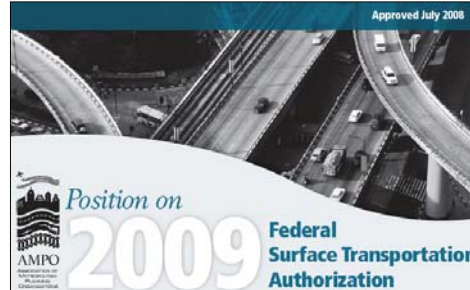
Urban Clusters
(2,500 to 49,999)
circa 2000



<http://rtc.ruralinstitute.umt.edu/>

What's an MPO? A TMA?

Will the population threshold for an MPO or TMA change in transportation reauthorization?



100K - Threshold
Grandfathering

http://www.ampo.org/assets/685_finalampopdfoverviewappro.pdf

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CTPP Products and Things

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3-year CTPP

2000 Geography

Nation (US Total)
State (red = 2008 geo.)
State-County
State-County-MCD
State-Place
State-PUMA
State-POW PUMA
Metropolitan Statistical Area
MSA – EACH Principal City

Product Structure

3-Parts

Part 1- Place of Residence

Part 2- Place of Work

Part 3- Flows between
Home and Work

with On-Line
Extraction Software

http://ctpp.transportation.org/Documents/CTPP_custom_tabulations_based_on_3yracs2006_2008.xls

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3-year CTPP

The screenshot displays a software interface for the 3-year CTPP. At the top, there is a yellow header with the text '3-year CTPP'. Below this, a menu bar contains 'Reports', 'Table', and 'Chart'. A search bar is highlighted with a red circle, containing the text 'Search' and 'Search within current folder Advanced search'. The main area shows a file explorer with a list of folders and files. The folders are 'All reports', 'CTPP Full Data Release S...', 'Part 1 - Residence', 'Part 2 - Workplace', 'Part 3 - Flows', and 'My Sessions'. The files listed include various reports such as '22100 - Total workers (1) (Workers 16 years and over)', '22101 - Age of Worker (10) (Workers 16 years and over)', '22102 - Class of worker (9) (Workers 16 years and over)', '22103 - Earnings in the past 12 months (2008\$) (11) (Workers 16 years and over)', '22104 - Industry (15) (Workers 16 years and over)', '22105 - Industry (15) (Workers 16 years and over who are not self-employed)', '22106 - Means of transportation (18) (Workers 16 years and over)', '22107 - Occupation (25) (Workers 16 years and over)', '22111 - Hispanic Origin (3) (Workers 16 years and over)', '22112 - Usual Hours worked per week (7) (Workers 16 years and over)', '22113 - Length of US Residence (6) (Workers 16 years and over)', '22114 - Race (5) (Workers 16 years and over)', '22115 - Sex (3) (Workers 16 years and over)', '22116 - Time arriving (41) (Workers 16 years and over)', '22118 - Travel time to work (12) (Workers 16 years and over)', '22200 - Age of Worker (8) by Earnings in the past 12 months (2008\$) (11) (Workers 16 years and over)', '22201 - Age of Worker (8) by Means of transportation (11) (Workers 16 years and over)', '22201C - Age of Worker (8) by Means of transportation (7) (Workers 16 years and over)', '22201C2 - Age of Worker (8) by Means of transportation (6) (Workers 16 years and over)', '22201C3 - Age of Worker (8) by Means of transportation (4) (Workers 16 years and over)', and '22206 - Earnings in the past 12 months (2008\$) (11) by Travel time (12) (Workers 16 years and over)'. The taskbar at the bottom shows several open applications including 'Start', 'CTPP soft...', 'Beyond ...', 'FL DOT D...', 'FL DOT D...', and 'Re: FW: ...'. A red circle highlights the search bar, and another red circle highlights the 'Search' button. The number '8' is visible in the bottom right corner of the screenshot.

3-year CTPP

Report Table Chart

12222 - WA state and 2 counties

Other: MEASURES - Estimate

RESIDENCE		Washington	Washington: In metropolitan statistical area
INDUSTRY	OCCUPATIONS	↑↓	↑↓
Total, all industries	Total, all occupations	3,102,055	2,769,140
	Management, professional, and related occupations	1,142,285	1,043,495
	Service occupations	496,080	434,700
	Sales and office occupations	752,465	678,945
	Farming, fishery and forestry occupations	46,320	32,040
	Construction, extraction, maintenance and repair occupations	291,950	250,760
Agriculture, forestry, fishing and hunting, and mining	Production, transportation and material moving occupations	349,005	307,945
	Total, all occupations	75,450	50,530
	Management, professional, and related occupations	17,950	11,080
	Service occupations	2,395	1,785
	Sales and office occupations	3,555	2,560
	Farming, fishery and forestry occupations	41,335	27,955
	Construction, extraction, maintenance and repair occupations	2,630	1,505

javascript:OnDimOrder(Obj(WdsForm));

Start Beyond ... FL DOT D... FL DOT D... Re: FW: ...

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3-year CTPP Data Product

File Edit View Favorites Tools Help Convert Select

Washington Divisi... Beyond 20/20 ... x

CTPP Census Transportation Planning Products

Set dimension order

Columns
RESIDENCE

Rows
INDUSTRY
OCCUPATIONS

Other
MEASURES

Apply Cancel

Some Issues to be aware of

3-year ACS (2006, 2007, 2008)

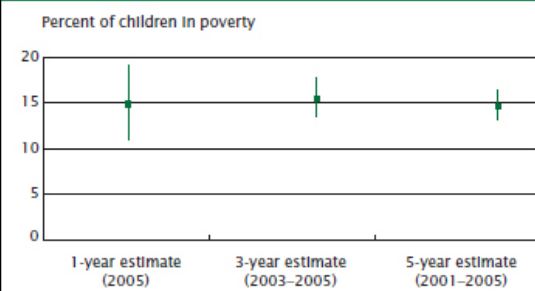
What year is the data?

Period Estimate brought forward to year of release

What Data to use?

Reliability vs. Currency

Figure 5. Child Poverty Rate in Rockland County, New York, Selected Year



Source: U.S. Census Bureau, American Community Survey.

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5-year CTPP Data Product

**New
Geography**

CTPP 5-Year ACS Product
Fall 2012
2006, 07, 08, 09, 2010
Small Areas
(TAD, Tract, TAZ, Block Group)
New TAZs and TADs
Modeled and Actual
Data and Flows

Requires implementation of new disclosure avoidance
("masking") techniques

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DRB rules for the CTPP 5-year tab

- Cell Means and aggregates require 3 unweighted records
- For Pt 3 Flow Tables: 3 unweighted records for each table, each cell, with the exception of the 1-way Means of Trans. Table
- 3 unweighted records for the marginal's in any cross-tabulation with Means of Trans.

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DRB rules for the CTPP 5-year tab

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5-year CTPP Data Product

NCHRP 08-79 (\$550K)

Producing Transportation Data Products from the ACS that Comply With Disclosure Rules

NCHRP is funded by State DOTs SP&R

Project schedule: Jan 2010-July 2011

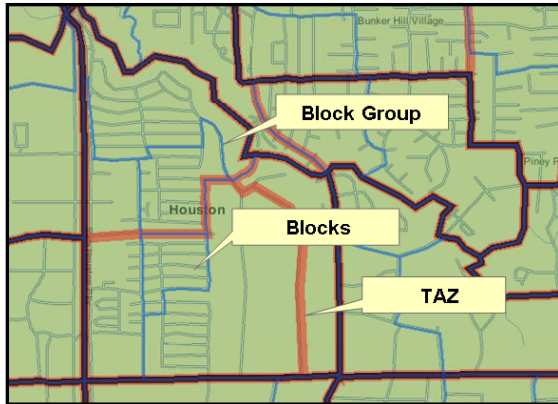
Fast-track with final report due in **July 2011**

Need results to be applied to 2006-2010 ACS for the 5-year CTPP (delivery to software vendor in summer 2012)

Westat, Tom Krenzke, PI

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Census 2010 blocks to build up TAZs



- Blocks will make up TAZs
- TAZs will nest with TADs
- TADs will nest in Counties
- Nesting with Tracts is optional

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The schedule

Task	Finish
FHWA double checks lists of contacts	November 2010
CB contractor (Caliper) finalizes software	January 2011
TAZ software training	February 2011
CB distribute software and files to MPOs and State DOTs	March – April 2011
State DOTs and MPOs delineate TAZs and TADs	March –mid-July 2011
CB updates TIGER	Fall/Winter 2011
CB delivers 5-year CTPP to AASHTO	Fall 2012

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Thank you!

- Ms. Liang Long, Cambridge Systematics
 - CTPP Tech Support
 - 202-366-6971
- Ms. Penelope Weinberger, AASHTO
 - CTPP Project Manager
 - 202-624-5800
- Ed Christopher, FHWA
 - Resource Center Planning Team
 - 708-283-3534

To join CTPP List Serve

<http://www.trbcensus.com/maillist.html>