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FMTF Data/GIS Committee Meeting Minutes

**Date: Tuesday, September 1, 2020**

**Time: 2:00 P.M. – 3:00 P.M. EST**

**Where: Web Conference**

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| **Attendee** | **Agency** |
| Alvimarie Corales | Sarasota/Manatee MPO |
| Chris Wiglesworth | FDOT Central Office |
| Christopher Simpron | FDOT District 1 |
| Dan Beaty | HNTB |
| Dan Macmurphy | Traf-O-Data |
| Daniel Miller | RK&K |
| Danyu Shi | BCC Engineering |
| David Farmer | Metro Forecasting Models |
| Donnie Arbeau | Central Florida RPC |
| Elaine Martino | Martino Planning |
| Frank Tabatabaee | FDOT Central Office |
| Gary Kramer | Emerald Coast Regional Council |
| Granger Huntress | Dun & Bradstreet |
| Heather Lupton | Cambridge Systematics |
| Jasmine Blais | MetroPlan Orlando |
| Jeanette Berk | Gannett Fleming |
| Jerry Graham | Traf-O-Data |
| Jongson Won | PTV Group |
| Justin Woodard | Dun & Bradstreet |
| Krishnan Viswanathan | Cambridge Systematics |
| Makarand Gawade | HDR |
| Nancy Simpson | Sarasota/Manatee MPO |
| Paul Flavien | Broward MPO |
| Richard Pascoe | Stantec |
| Richard Ranck | Hillsborough County |
| Rob Schiffer | FuturePlan |
| Roberto Miquel | WRA |
| Sheldon Harrison | Cambridge Systematics |
| Soliman Salem | City of Jacksonville |
| Srin Varanasi | Corradino Group |
| Steve Infanti | Tindale Oliver |
| SungRyong Han | BCC Engineering |
| Tanner Martin | HDR |
| Terry Corkery | FDOT Central Office |
| Thomas Hill | FDOT Central Office |
| Zhong-Ren Peng | University of Florida |

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**Meeting started - 2:00pm**

## 2020 Employment data method and licensing – Dun & Bradstreet

* Data Cloud
  + Consistently ensure access to customers through trade partnerships.
  + Updated over five million times a day, providing real-time business data.
* D-U-N-S Number
  + Unique identification number for business identification at the site level.
    - Employment.
    - Revenue.
    - Industry classification.
* Provided a snapshot of 1.5 million records for the State of Florida for January, June, and preparing to provide a snapshot for September for analysis of impacts from the COVID-19 pandemic.
  + EconoVue software service merges data visualization, interactive mapping, extensive filtering, and location-based management tools to review the 2020 Dun & Bradstreet datasets.
* Questions
  + How is the data adjusted for self-employment?
    - Depends on whether they have activity from that business.
    - A lot of actual data and model data that is based on each industry.
  + Granger Huntress to pass information along to Frank to disperse to the Committee.

**Action Item**:

* **Granger Huntress to provide information along to Frank Tabatabaee to be dispersed to the Committee.**

## Origin-Destination Study – Daniel Miller, RK&K

* Subcommittee developed to determine potential O-D data sources, how they are collected, and what services they provide.
* For more detailed information, refer to the presentation.
* Commercial:
  + StreetLight;
  + AirSage;
  + License plate surveys;
  + Helicopter/Drone (SkyComp);
  + American Transportation Research Institute (ATRI);
  + IHS Tourism Data;
  + Uber Movement;
  + Moonshadow/WeJo;
  + Bluetooth;
  + Strava;
  + InfoGroup; and
  + Credit Card Data.
* Government:
  + Travel diary;
  + National Household Travel Survey (NHTS);
  + Longitudinal Employer-Household Dynamics (LEHD);
  + Freight Analysis Framework (FAF);
  + Department of Motor Vehicles (DMV);
  + Weigh in Motion (WIM);
  + Video Cameras; and
  + Sunpass/E-Pass.
* Social Media:
  + Four Square;
  + Twitter;
  + Instagram/Facebook; and
  + LinkedIn.
* Questions/Comments
  + LOCUS data product available from Cambridge Systematics.
    - Origin-destination flow data from app data.
    - Location-based app data aggregated by a third party.
  + Florida Department of Transportation (FDOT) recently purchased HERE data for bicycle-pedestrian movement.

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## Census Timeline – Krishnan Viswanathan, Cambridge Systematics

* For more detailed information, refer to the presentation.
* Changes between 2010 and 2020 Census
  + Use of the internet as a tool for data collection.
  + Aerial imagery to confirm address reduces the number of field workers verifying addresses.
  + Fewer Census takers.
* Census Timeline:

Machine generated alternative text:
Phase 
Self Res nse 
NRFU 
Ori inal 
March 12 - July 31 
'May 13 - July 31 
roup Quarters (E-Response & 
Pa r Enumeration 
rtionment Counts 
Redistrictin Data 
2020 TIGER Files (new Block, 
BG and Tracts 
New Urban Area Geographies 
Released 
April 2 — June 5 
'Dec 31 , 2020 
Dec 31 , 2021 
November 2020 - 
February 2021 
spring 2022 
Revised 
March 12 - September 30 
July 16 
- September 30 
April 2 
— September 3 
Dec 31, 2020 
Mar 31, 2021 
Dec 31, 2021 
spring 2022 

* Given that end of counts has been moved up by one month, from October to September, lawsuits have been filed protesting the change, arguing that this will seriously impact counts.
  + Serious concerns regarding the quality of the 2020 data due to the Census Bureau cutting corners in quality checks.
* Northwest Florida is currently the furthest behind target for Census responses in Florida.

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## Transportation Model Platform Update – Thomas Hill, FDOT

* Microsimulation: VISSIM
  + Annual Statewide VISSIM subscription.
  + 200 licenses available for FDOT, the Turnpike, and MPOs.
  + Current licenses.
    - Existing licenses will become inactive.
    - All licenses governed under this agreement.
  + Use of other microsimulation software packages.
    - Does not preclude the use of other packages.
  + Benefits.
    - Central Office training and support focus on VISSIM.
    - Cost savings.
  + Support from.
    - Executive team.
    - District Secretaries.
  + The following package was purchased.

Machine generated alternative text:
Users will be given access to "PTV Vissim Advanced Plus" package under this agreement. 
Size (Number of SCs) 
3D Pacakages / AVI Recording 
Live Stream Bing Maps 
Basic Signal Controllers (RBC Basic) 
Synchro Import 
Adv. Signal Controllers I (RBC Adv / Vissig) 
Adv. Signal Controllers Il (VAP / VisVAP) 
Public Transit 
COM 
Managed Lanes 
Mesoscopic OTA 
Microscopic DTA 
Hybrid DTA 
Driving Simulator Interface 
Junction 
10 
x 
x 
x 
Junction 
Unlimited 
Unlimited 
x 
x 
x 
x 
Corridor 
20 
x 
x 
x 
x 
x 
x 
x 
x 
Corridor 
Unlimited 
Unlimited 
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x 
x 
x 
Advanced 
Plus 
Unlimited 
x 
x 
x 
x 
x 
x 
x 
x 
x 
x 
Professional 
Unlimited 
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* Plan Forward.
  + VISSIM will be marketed and messaged to other offices/departments, serving to bridge the gap between modeling and other entities, such as PD&E, traffic operations, etc.
* Macrosimulation:
  + VISUM,
    - Had encumbered money for both VISUM and VISSIM, but things were complicated by the COVID-19 pandemic.
      * Currently working through Central Office and the Federal Highway ..Administration (FHWA) to acquire the funds and software.
  + TransCAD.
    - Plan to offer this software as a flexible alternative to the PTV primary.
    - Will also include Transmodeler SE.
  + Administrative services.
    - District-level/MPO-level interviews.
      * What do they want or prefer during this process?
    - Conversion schedule review
      * Sequence, priority, timeline, duration, delivery date, coordination, buffer time.
    - Website/user forum for idea exchanged to be hosted by the Model Task Force (MTF).
    - Standardized procedures for all Districts to approve and release the converted model
    - Training to be offered.
    - Will be holding Cube as a buffer for the next two years.

## Comments – Members

* How is the rollout for VISSIM/VISUM going to be done across the state?
  + Currently developing a rollout plan with a subcommittee of the Model Advancement Committee.
    - Looking at a two-year window for the conversion and rollout process.
    - Will take at least a year to get all models converted and validated.

**Meeting adjourned - 3:06pm**