

Central Virginia Transportation Technical Committee

Region 2000 Local Government Council Office

Large Conference Room

828 Main Street, 12th Floor

Lynchburg, Virginia 24504

Thursday, December 8, 2016 - 10:30 a.m.

Agenda

1. **Call to Order**.....Paul Harvey, Chair
2. **Approval of Minutes: November 10, 2016**
(See Attachment 1)
3. **Discussion: Regional Congestion Survey**
(see Attachment 2)..... Philipp Gabathuler, CVMPO
4. **Presentation: StreetLight InSight® Data System**
(see Attachment 3).....Scott Smith, CVMPO
5. **Matters from the Committee**.....All
6. **Adjournment** - Next meeting: **January 12, 2017 at 10:30 am**

General Information

- Transportation Technical Committee Statement of Purpose *(See Attachment G1)*

Central Virginia Transportation Technical Committee

828 Main Street, 12th Floor, November 10, 2016 at 10:30 a.m.

DRAFT MINUTES

URBAN MEMBERS

PRESENT

Lee Beaumont..... Liberty University
Nick Britton (by phone) Virginia Department of Rail and Public Transportation
Jeremy Bryant.....Amherst County
Paul Harvey.....Campbell County
Richard Metz.....Campbell County Citizen Representative
Rick YoungbloodVDOT-Lynchburg District
Gregg Zody.....Bedford County

ABSENT

Doyle Allen.....Bedford County Citizen Representative
Josh Baker Greater Lynchburg Transit Company
Mark Courtney.....Lynchburg Regional Airport
Jack HobbsTown of Amherst
Tom Martin.....City of Lynchburg
Cheng Yan.....Federal Highway Administration

RURAL MEMBERS

PRESENT

Nick Britton (by phone) Virginia Department of Rail and Public Transportation
Jeremy Bryant.....Amherst County
Paul Harvey.....Campbell County
Richard Metz.....Campbell County Citizen Representative
Johnnie Roark.....Appomattox County
Rick YoungbloodVDOT-Lynchburg District
Gregg Zody.....Bedford County

ABSENT

Doyle Allen.....Bedford County Citizen Representative
Roxanne Casto.....Town of Appomattox
Russell Thurston.....Town of Brookneal
Bart Warner.....Town of Bedford
Dan Witt.....Town of Altavista
Cheng Yan.....Federal Highway Administration

OTHERS PRESENT

Susan Cook.....Region 2000
 Maggie Cossman.....City of Lynchburg
 Mariel Fowler..... Bedford County
 Philipp Gabathuler.....Region 2000
 Austin Mitchell..... Amherst County
 Scott Smith.....Region 2000

1. Call to Order

Paul Harvey called the meeting to order at 10:30 a.m.

2. Approval of Minutes: October 13, 2016

Upon a motion by Richard Metz to approve the minutes of October 13, 2016 as presented, duly seconded by Rick Youngblood, this motion passed unanimously.

3. Update: Lynchburg Regional Connectivity Study

Rick Youngblood explained that the Lynchburg Regional Connectivity Study has been a yearlong process tying in local businesses and multi-modal partners, to determine the economic impact of multi-modal infrastructure decisions in the Lynchburg area. He stated that the champion for this project has been CTB member Shannon Valentine, and that the final document will be completed on November 15.

4. Staff Report

Scott Smith welcomed Philipp Gabathuler back, and reported that he had returned on November 1st.

5. Transportation Planning in Amherst County

Jeremy Bryant began his presentation on transportation planning in Amherst County by sharing some unknown facts about Amherst County:

- Amherst has 663 miles of roads maintained by VDOT.
- VDOT maintains rural walking bridges across mountain streams.
- The comprehensive plan contains many transportation initiatives with a long list of priorities.

Mr. Bryant also reported on the impact of the 29 bypass.

He also reported that Amherst applied for three HB2 grants last year:

- 1) Sidewalks in Madison Heights
- 2) Woodys Lake Road Improvements
- 3) Sidewalk in Amherst from Rt. 60 at the traffic circle to the Food Lion Shopping Center (HSIP)

This year, the county applied for two projects funded by SmartScale (formerly HB2):

- 1) Intersection improvements at U.S. 29 and Virginia Route 130
- 2) Median replacement along U.S. 29 Business (Lynchburg Expressway)

6. 2017 Regional Congestion Survey

Philipp Gabathuler reviewed the timeline for the 2017 Regional Congestion Survey:

- 1) December 1, 2016 – Draft Survey Review
- 2) February 16, 2017 - Survey Window Opens
- 3) March/April 2017 – Tabulate Responses
- 4) May 2017 – Briefing Report

7. Rural Long Range Plan

Philipp Gabathuler reported that over the next three months meetings will be conducted with the individual counties to get input on suggested projects.

8. Matters from the Committee

Upon a motion by Richard Metts to adjourn, duly seconded by Gregg Zody, Paul Harvey adjourned the meeting. The next meeting of the Transportation Technical Committee will be on November 10, 2016.

Signed: _____
Paul E. Harvey, *Chair*

Date: _____

Region 2000 Motorist Congestion Survey

Draft survey questions for 2017 Report

- Where are you a resident?
 - Open response

- How do you get to work?
 - Drove alone
 - Carpooled
 - Public transportation
 - Walked
 - Bicycle
 - Work at home
 - Other

- How do you get to errands?
 - Drove alone
 - Carpooled
 - Public transportation
 - Walked
 - Bicycle
 - Work at home
 - Other

- What is the purpose of the trip where you encounter congestion?
 - Home to work
 - Work to home
 - Work to other
 - Home to other

- Location of traffic back up?
 - Street name
 - Route number
 - Nearest landmark
 - Closest cross street

- Please indicate time of day where traffic occurs.
 - Open response

- Please indicate the day of the week that congestion occurs.
 - Open response

- What is the cause of the back up?
 - High traffic volume
 - Inadequate turn lane storage
 - Signal timing
 - Road work
 - Traffic accidents
 - Additional comments

- What specific actions would you suggest to alleviate this back up?
 - Open response

- Additional questions???

PRODUCT OVERVIEW

StreetLight InSight[®]

Travel Metrics

Note to TTC: This service is available to the CVMPO/Region 2000 Local Government Council through VDOT. The presentation at the TTC meeting will involve a brief overview of the system so that localities can be familiar with services available through the CVMPO/LGC.

We analyze trillions of anonymous geospatial records from GPS and cellular devices to develop Travel Metrics that describe real-world mobility patterns. **With our *StreetLight InSight* web app, you can design, view, and download the Metrics you need in minutes using your computer.**

StreetLight InSight Travel Metrics

Core Metrics

Origin/Destination (O/D) Matrix

A matrix of the relative volume and average travel time of trips between pairs of Origin and Destination Zones. (Zones can be areas or roads.)

O/D Matrix with Middle Filter (Select Link)

A matrix of the relative volume and average travel time of trips that pass through Middle Filter Zones, or links, when traveling between pairs of Origin and Destination Zones.

Zone Activity Analysis

A matrix of the relative volume, average travel time, and average length of trips that originate in, have destinations in, or pass through each Zone analyzed.

Premium Metrics: Add-On Bundles

Premium A Metrics: Trip Attributes

Trip time, trip length, and trip circuitry (a ratio of the actual trip length to the crow's fly distance), provided as the average value and a distribution of values into customized bins.

Premium B Metrics: Traveler Attributes

Percentage distributions for simple trip purpose (residential, commercial, and other), household income, race, education level of head of household, and family status.

Licensing: Subscriptions and Projects

Regional Subscriptions:

Our Most Cost-Effective Option

Provides unlimited *StreetLight InSight* Metrics for a specific geographic area during the subscription period for a fixed fee. Fees are based on the region's population, Metric type, and licensing structure.

Individual Projects

Metrics can be licensed on a project-by-project basis. Pricing is based on the number of Zones analyzed, Metric type, and the number of project iterations.

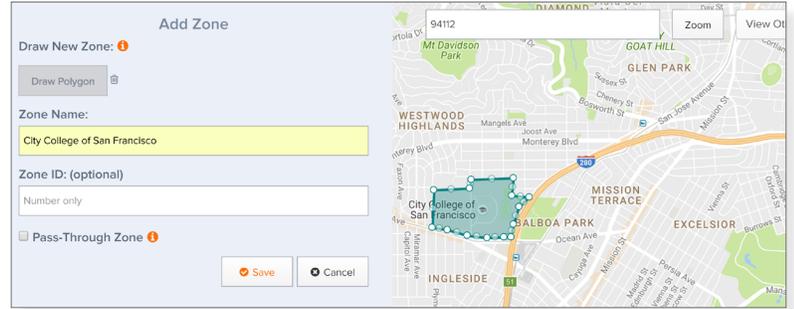
STREETLIGHT INSIGHT ADVANTAGES AT-AT-GLANCE

- Speed**
 Most Metrics are ready in minutes via our *StreetLight InSight* web app, so you can iterate and optimize every project.
- Comprehensiveness**
 Our Metrics are derived from billions of trips from cars, cellphones, commercial fleet management systems, and more.
- Precision**
 Our GPS data from INRIX is spatially precise to five meters, so you can pinpoint exact Zones.
- Customization**
 Choose your own day parts, day types, date ranges, and trip types (personal or commercial).
- Validation**
 Our Metrics are trusted in 150+ projects, and verified against traditional data sources.
- Support**
 From training sessions to on-call support, our dedicated team is here to help.

Using StreetLight InSight®: Metrics from Massive Mobile Data in Three Steps

1 Input Your Zones

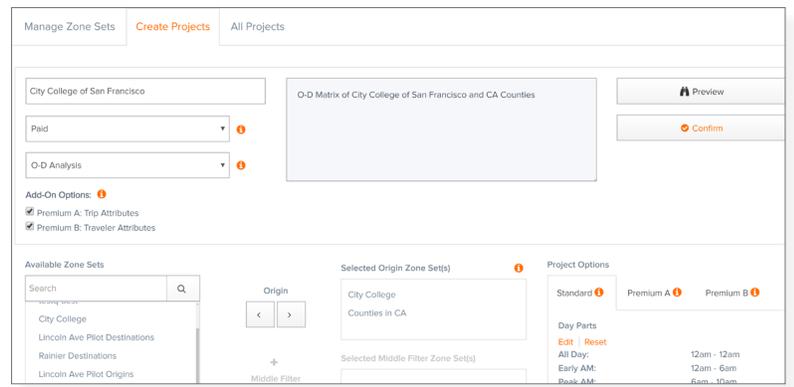
- Zones can be nearly any size geography, from highway off-ramps and road segments to TAZs, counties, and entire regions. Projects can contain 8,000+ Zones.
- Input your Zones into *StreetLight InSight* by uploading shapefiles or by drawing polygons – it's as simple as a few mouse clicks.



Draw Zones or upload shapefiles to create Zone Sets, which can be shared across your entire organization.

2 Set Up Your Project

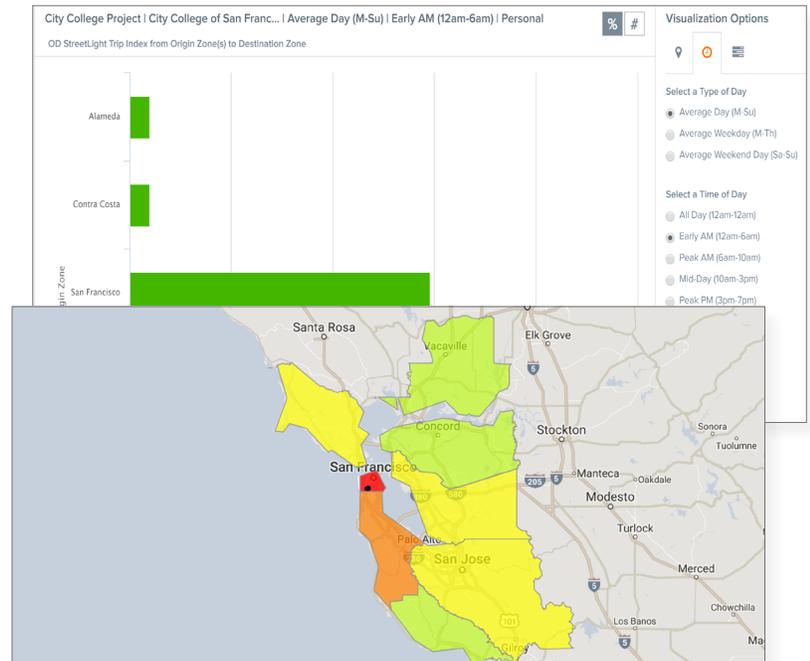
- Choose from three Core Metrics, designate your Zones, and add on optional Premium Metrics.
- Customize your Project Options: day parts, day types, data period, and trip type (personal or commercial).
- Run your project. Most Metrics are ready in minutes*, so you can easily iterate by tweaking Zones and Project Options.



Most Metrics are available in minutes, so you can re-run projects with new parameters to evaluate trends over time and optimize your results.

3 Analyze Your Results

- View visualizations like heat maps and charts using the *StreetLight InSight* project visualizer.
- Download csv files for all Metrics to analyze outside of the app or input into modeling and design tools.
- Select optional downloads such as shapefiles for any Zones that you drew in *StreetLight InSight*.
- **With *StreetLight InSight*, you can spend more time analyzing mobility patterns, diagnosing transportation problems, and designing solutions – and less time wrangling data.**



Manipulate charts and heat maps in *StreetLight InSight* to visualize travel patterns across different day parts, day types, Zones, and more.

Contact Us to Schedule a Demo

StreetLightData.com // Info@StreetLightData.com

STATEMENT OF PURPOSE
Approved September 5, 2002

The Central Virginia Transportation Technical Committee (Committee) is responsible for supporting the Central Virginia Metropolitan Planning Organization's (CVMPO) and Region 2000 Regional Commission's transportation policy decision-making efforts.

The Committee provides technical advice in coordinating the federally-mandated "3-C" or continuing, comprehensive, and cooperative, transportation planning and programming process.

The Committee's three principal work efforts are updating the long range transportation plan, updating the transportation improvement program (TIP), and developing the annual unified planning work program. The Committee, in conjunction with its rural colleagues, also develops the annual Rural Transportation Planning Assistance Program Scope of Work. The Committee's intent is to review and comment on TIP projects and work program products.

The Committee acknowledges that the long range transportation plan update is the primary planning document for transportation issues in the Central Virginia region. This planning initiative drives the formulation of the transportation improvement program, as well as the annual work programs.

The Committee further realizes that the long range transportation planning process must identify regional priorities in order to fully influence project funding decisions ultimately exercised by the Commonwealth Transportation Board. The Committee's intent is to recommend priorities and encourage the CVMPO to set these priorities at the regional level.

Because of its importance, the Committee is fully committed to actively being involved in the long range transportation planning process.

In carrying out its responsibilities, the Committee will:

1. Coordinate with local planning departments to ensure an understanding of pertinent local development issues and their impact on the region;
2. Coordinate with nearby MPOs and develop an ongoing dialogue with them;
3. Strive to integrate land use and economic development, as well as transportation considerations, in its planning process;
4. Strive to be proactive as opposed to reactive in problem solving.