



Transportation Data Marketplace Bi-Annual State Point of Contact Web Meeting

June 21, 2022



Welcome to the Meeting!

- VIDEO - You are welcome to turn on your camera by pressing the camera icon in the bottom left corner of your screen
- AUDIO - Please select **ONE** of the following audio options:
 1. **Computer:** Use your computer speakers and microphone by clicking the “Join Audio button at the bottom left of the screen (Preferred method of audio)
 2. **Phone:** Call into the meeting by dialing the phone number based on your location (provided in the confirmation email) and enter the Meeting ID at the prompt
- **This web meeting is being recorded for internal use.**
- **Questions** with the audio or web? Please contact Justin via the Chat Box or email (jferri@kmjinc.com)



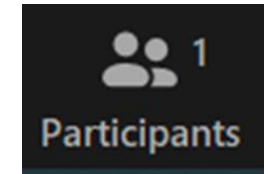
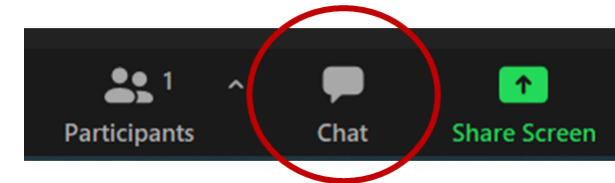


Asking Questions



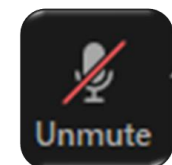
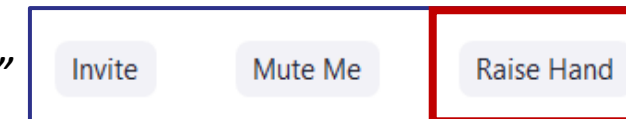
In the Chat Box

- You may pose your questions using the Chat Box. Click on the chat icon at the bottom of your screen
- The questions in the Chat Box will be monitored and answered at the end of each section.
- When responding to a message in the Chat Box, please indicate who you are referring to using the “@” symbol (ex. @John)



Verbally

- Please raise your hand (*click on the participants button at the bottom of the screen then scroll down to the bottom of the list of participants, and click on the “Raise Hand” button*), and the host will call on you.
- Please give your name and agency before asking your question
- **Please mute yourself when you are done asking a question**



While you are not speaking....
Please confirm you are **MUTED**



Using your computer audio? **Mute**
your computer mic

Using your phone?
Mute your line



Thank
You!

W e l c o m e



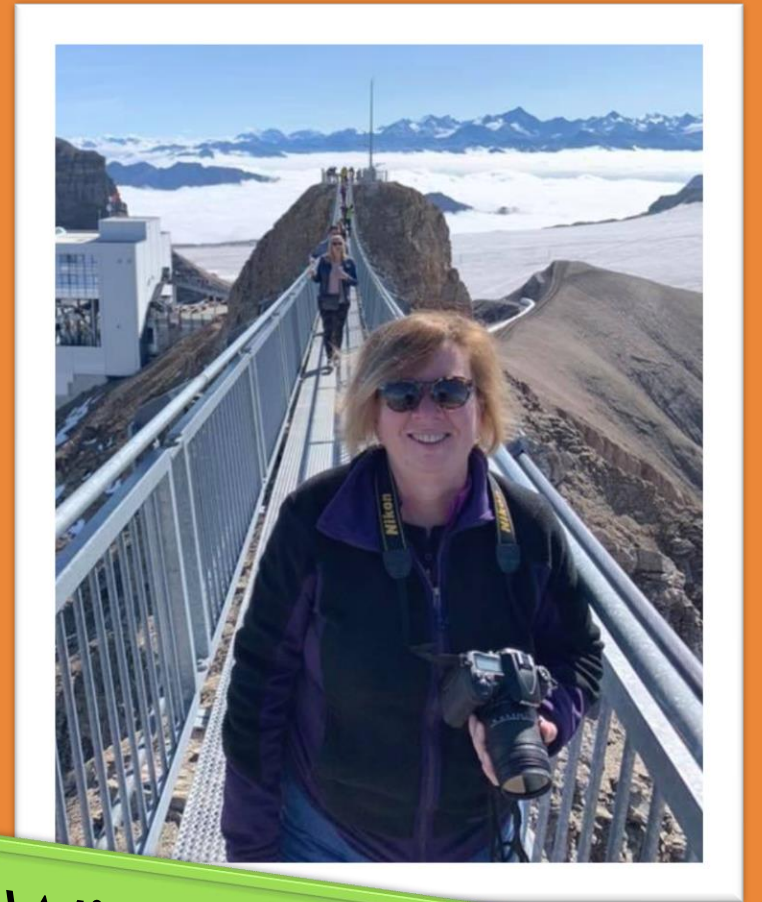
— THE EASTERN —
TRANSPORTATION
COALITION

CONNECTING FOR SOLUTIONS



Happy Retirement to Sue Catlett!

*Thank you for your
contributions to so many of
the Coalition programs &
committees over the years!*



Wishing you happy
(hiking) trails!



Today's Agenda

- TDM Vendor Updates
- Contracting Process
- Validation Update
- DUA Automation and Status
- Website changes





The Coalition's Transportation Data Marketplace

The Eastern Transportation Coalition's Transportation Data Marketplace has its origins in the Vehicle Probe Project (VPP) which began in 2008 with the primary goal of providing Coalition members with the ability to acquire reliable and real-time travel time & speed data for their entire roadway network without the need for sensors and other hardware.

The Coalition's current effort, the **Transportation Data Marketplace (TDM)**, is providing members the opportunity to select from a host of prequalified vendors to provide data in six different categories including **Travel Time & Speed**, **Origin-Destination**, **Freight**, **Waypoint**, **Volume**, and **Conflation**.

TRANSPORTATION DATA MARKETPLACE



THE COALITION'S TRANSPORTATION DATA MARKETPLACE, USES ECONOMIES OF SCALE TO:

- Give members access to transportation data from market leading companies
- Provide multiple vendor offerings at discounted prices
- Establish strong agency focused data use agreements
- Validate, control and assess the quality of the data through a rigorous process guided by a Coalition Technical Advisory Committee
- Push the innovation envelope of turning data into actionable information

2008 VEHICLE PROBE PROJECT

ONE Vendor

- Travel Time & Speed Only

2014 VPPII MARKETPLACE

THREE Vendors

- Travel Time & Speed Only

2022 TRANSPORTATION DATA MARKETPLACE

6 Dataset Types-13 Vendors:

- Travel Time & Speed Data
- OD Data
- Freight Data
- Waypoint Data
- Volume Estimates
- Conflation Datasets

DATA SHARING IS OPTIMIZED BY THE COALITION'S TRANSPORTATION DATA MARKETPLACE

- Transportation data procured through the Transportation Data Marketplace, regardless of vendor, is available to each of the participating agencies providing a shared effort.
- Governed by a Data Use Agreement, sharing critical data with cities, counties, MPOs and adjoining member states is enabled.
- Participating member agencies are able to share access to the data with local planning organizations and consultants/contractors working for the agency.

The Transportation Data Marketplace includes six data categories that are critical for Coalition members' operations, planning and performance measures, traveler information, and their safe and efficient management of the inter-regional roadway system.

	Carto INRIX HERE Iteris Timmons Group	Travel Time & Speed data provide real time information for use in operations for incident management and traveler information. Historical data as a basis for various performance measures. Specifications for this data set are highly mature.
	AirSage Geotab INRIX Streetlight	Origin Destination data is closely associated with Waypoint Data, but includes only end points, and information related to the endpoints that reveal trip purpose. O-D data is derived from Waypoint data that is scalable, timely and statistically representative to provide trip data for various agency needs. Similar to Waypoint data, O-D data is provided in a manner to protect privacy, and is a great asset for planning, behavioral, and before & after studies.
	Geotab INRIX Quefca Streetlight	A variety of Freight related data is being provided including: Travel Time, Speed and Volume data (as well as reliability), Origin and Destination information for long-haul and regional fleets, and parking data including availability and utilization. In addition, commodity movement is also being provided. This will enable broader understanding of freight movement.
	AirSage INRIX Shellar Wejo	Waypoint data or GPS latitude data is collected either through connected vehicle technology or location-based services. Data is provided in such a way to protect privacy (such as the obfuscation of home/work info and aggregated to census boundaries), and supports in-depth analysis such as traffic signal performance.
	HERE INRIX Iteris iTrafiQ Streetlight	Ubiquitous Volume data has long been a missing link in the tool box of transportation agencies. Volume estimates (not collected using hardware) would assist agencies by providing real-time traffic volumes network-wide (including during inclement weather or special events), and enable more robust planning and performance measurement tools. Estimating volumes is an emerging area, with Coalition research contributing to industry progress.
	1Spatial INRIX iTrafiQ	Conflation services provide support for translating from one mapping system to another or combining mapping systems, such as the TMC network and a state's own linear reference system (LRS). Translating data between vendor-provided and Coalition member base maps has proved time intensive and costly. Providers of these services will be able to translate from any base map to any other base map as needed by a Coalition member.





Vendor Updates



Vendor Updates

First Name	Last Name	Vendor	Datasets
Kevin	Sigwart	1Spatial	<ul style="list-style-type: none">• Conflation Data
Robert	Kohler	AirSage	<ul style="list-style-type: none">• Origin-Destination Data• Waypoint Data
Raina	Smyth	Carto	<ul style="list-style-type: none">• Travel Time and Speed Data
Jean	Pilon-Bignell	Geotab	<ul style="list-style-type: none">• Origin-Destination Data• Freight Data
Frank	Corsaro	HERE	<ul style="list-style-type: none">• Travel Time and Speed Data• Volume Data
Rick	Schuman	INRIX	<ul style="list-style-type: none">• Travel Time and Speed Data• Origin-Destination Data• Freight Data• Waypoint Data• Volume Data• Conflation Data
Masoud	Hamed	Iteris	<ul style="list-style-type: none">• Travel Time and Speed Data• Volume Data
Kaveh	Sadabadi	iTraqi	<ul style="list-style-type: none">• Conflation Data• Volume Data
Mark	Berndt	Quetica	<ul style="list-style-type: none">• Freight Data
James	Hall	Stellar	<ul style="list-style-type: none">• Waypoint Data
Ryan	Link	Streetlight	<ul style="list-style-type: none">• Origin-Destination Data• Freight Data• Volume Data
John	Auble	Timmons	<ul style="list-style-type: none">• Travel Time and Speed Data
Mellisa	Baker	Wejo	<ul style="list-style-type: none">• Waypoint Data

- Vendor Points of Contact
- iTraqi eligibility status
- Wejo price change





Wejo

- ❑ We have applied a **50% discount** across the Wejo Source Data for all member states vs that of non-members.
- ❑ Wejo would like to make all current **Driving Events** available to ETC members at no additional costs—not only braking and acceleration data (see below). As requested by member states.
- ❑ **County, city and bespoke** location pricing available (Connecticut example within the document). As requested by member states.
- ❑ Wejo would like to offer the flexibility to select **either** movement, or, event data sets and different time periods. As requested by member states.
- ❑ Wejo will provide a **5% discount** to data delivered to ETC members within the first 6 months of the effective date of the agreement.
- ❑ A **further discount** is available based upon the number of months purchased. This applies for both future deliveries (e.g. an ongoing contract), or historical data batches.
 - 24month = 5%
 - 36months and above = 10%

Configurable attributes	Description
Journey	Detected Journey Start and Journey End
Parking Brake Change	Activation or deactivation of Parking Brake
Seatbelt Change	Detected Seat Belt Latched or Unlatched for Driver or Front Passenger
Seat Belt Warning	Activation or deactivation of Seat Belt Warning for Driver or Front Passenger
Seat Occupancy Change	Detected occupancy change in Driver or Front Passenger seat (Occupied or Unoccupied)
Door Change	Detection of Door Opened or Closed, with applicable location (Front Left or Right, Rear Left or Right, Trunk, Hood)
Signal Change	Activation or deactivation of Left or Right Turn Signal
Lights Change	Activation or deactivation of Low/High Beam, Fog, Brake, or Parking Lights
Acceleration Change	Detection of Harsh Braking or Harsh Acceleration
Speed Threshold Change	When speed exceeds 80mph, or drops back to below 80mph
Wiper State Change	Wipers Activated or Deactivated, with wiper speed/interval
Fuel Level State Change	When specific Fuel Levels (75%, 50%, 25%, 10%, 5%) are reached
Anti-lock Braking System Change	Detection of activated ABS
Autonomous Emergency Braking Change	Detection of activated Autonomous Emergency Braking
Electronic Stability Status Change	Activation or deactivation of Electronic Stability System (traction control)
Horn Change	Activation of Horn



Contracting Process



Contracting – FY2022 Team



Denise Markow
Program Oversight



Stan Young
Vendor Products



Kathy Frankle
Pricing/State MOU
Contracting



Mai Quynh Le
Vendor Contracting



State Probe Data Vendors Ancillary Products

States	Probe Data Vendor	New Mods/Ancillaries
Maine	TomTom	
Vermont		
Massachusetts	INRIX	INRIX Waypoint Data
		INRIX Trip Data
		INRIX Volume Data
		INRIX Replica
		Quetica Freight Data
Rhode Island	INRIX	1Spatial Conflation
		INRIX Signal Analytics
Connecticut		INRIX Trips
New York		Through Transcom
New Jersey	INRIX	INRIX HELP
		INRIX CV Alerts
		Drivewyze
Delaware		
Pennsylvania	INRIX	
PATPK	INRIX	INRIX CV Alerts
		INRIX Dangerous slowdowns

States	Probe Data Vendor	New Mods/Ancillaries
Maryland	INRIX	INRIX Signal Analytics INRIX HELP
DC	INRIX*	
Virginia	INRIX	
North Carolina	INRIX	INRIX HELP
		INRIX CVSafety Alerts
		INRIX Signal Analytics
		INRIX Dangerous Slowdowns
		INRIX TMC Shapefiles
		Iteris Clearguide Premium
		Iteris XD Storage
		Iteris
Georgia	HERE	ClearguideEnhancements
		HERE Volume/Streetlytics
		INRIX HELP
Florida	HERE*	INRIX CV Safety Alerts
Alabama	HERE*	HELP*
Tennessee	INRIX	Dangerous Slowdowns
Kentucky		



Contract Status

- No State MOU documents completed as of 6-21-22
- KFS System to shut down at the end of June
- Need contracts entered into system to get vendor task orders issued
- 2 Vendors are working at risk as of July 1, 2022
- Coalition is working on a certification letter for two vendors
- Need state documents finalized ASAP

MA – NJ – PA – PATPK – MD – VA – GA - NC

Does not apply to RI and TN



Validation Program



Validation – TAC formalized

PA Validation Report – final report of VPP finished

Next meeting is July 14th

Validation Technical Advisory Committee (TAC)

- ☐ Representatives from participating states
- ☐ Type, Frequency, Method and Location adjusted to concerns
- ☐ Periodic reporting of results
- ☐ Tackling volume as a priority
- ☐ Coalition will carry out program
- ☐ Better align members' concerns with validation program
- ☐ No longer a 'static' process – shaped based on TDM needs



Mike Fontaine, PE, PhD
TAC Chair
Associate Director
Virginia Transportation
Research Council
Virginia DOT



Stan Young, PE, PhD
Chief Data Officer,
TETC



Zach Vander Laan,
Faculty Specialist
University of Maryland CATT

April 12, 2022



TAC
Technical
Advisory
Committee

#	First Name	Last Name	Agency	Email
1	Alex	Hainen	Alabama DOT (University of Alabama)	ahainen@eng.ua.edu
2	Alex	Finch	Connecticut DOT	alexander.finch@ct.gov
3	Chrish	Marsh	Delaware DOT	Chris.Marsh@delaware.gov
4	Laura	MacNeil	District DOT	Laura.MacNeil@dc.gov
5	Kelli	Raboy	District DOT	kelli.raboy@dc.gov
6	Derek	Vollmer	Florida DOT	Derek.Vollmer@dot.state.fl.us
7	Colby	Fortier-Brown	Maine DOT	colby.fortier-brown@maine.gov
8	Carol	Delion	Maryland DOT-SHA	CDelion@sha.state.md.us
9	Bob	Frey	Massachusetts DOT	bob.frey@dot.state.ma.us
10	Sudhir	Joshi	New Jersey DOT	sudhir.joshi@dot.nj.gov
11	Mark	Grainer	New York DOT	mark.grainer@dot.ny.gov
12	Kent	Taylor	North Carolina DOT	kltaylor@ncdot.gov
13	Kelly	Wells	North Carolina DOT	kwells@ncdot.gov
14	Scott	Benedict	Pennsylvania DOT	scbenedict@pa.gov
15	Joshua	O'Neill	State of Rhode Island - Division Planning	joshua.oneill@doa.ri.gov
16	Michelle	Nickerson	Tennessee DOT	Michelle.Nickerson@tn.gov
17	Denise	Markow	The Eastern Transportation Coalition	dmarkow@tetcoalition.org
18	Stan	Young	The Eastern Transportation Coalition	seyoung@tetcoalition.org
19	Mei	Chen	University of Kentucky (Kentucky Transportation Center)	mei.chen@uky.edu
20	Daniel	Hulker	University of Kentucky (Kentucky Transportation Center)	Daniel.Hulker@ky.gov
21	Zach	Vander-Laan	University of Maryland CATT	zvanderl@umd.edu
22	Zoe	Neaderland	Vermont AOT	zoe.neaderland@vermont.gov
23	Simona	Babiceanu	Virginia DOT	simona.babiceanu@vdot.virginia.gov
24	Mike	Fontaine	Virginia DOT	michael.fontaine@vdot.virginia.gov



DUA Automation and Status Update



<https://dua.tdmmarketplace.com>

- DUA process for all affiliates, consultants and universities is now automated
- All communications goes to Mai
- DUA status reports delivered quarterly
- Next one due by July 10th
- Updating to new version 10 to begin
- 60% State Umbrella DUA's completed



Mai Quynh Le
Vendor Contracting



Website and Next Steps



TDM Webpages –www.tetcoalition.org

TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS



Supporting the development of a vast multimodal traveler information system and facilitating and enhancing the coordination and implementation of interagency efforts in response to incidents.



[Learn More](#)

FREIGHT



Promoting reliable, efficient and balanced intermodal transportation throughout the Coalition by supporting leadership, information technology and operations that improve the intermodal movement of freight.

[Learn More](#)

INNOVATION IN TRANSPORTATION



Addressing emerging transportation challenges in technology and policy with our members through collaboration, research and sharing best practices.

[Learn More](#)

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS

TRAVELER INFORMATION



- I-95 Live Traffic
- 511 Traveler Information
- Traveler Information Apps
- Commercial Vehicle Operations Online Portal

PEER EXCHANGES



- Events
- Webinars
- Operations Academy

DATA TOOLS



- Transportation Data Marketplace (TDM)
- RITIS & PDA Suite
- TDADS Congestion Pie Chart Tool





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Contract Docs & Coverage Info

Data Validation Reports

Reference Docs and Presentations

Validation Tech Advisory Committee

TDM (7/2022 to present)

- TDM RFP
- CATT Works Georeferencing Protocol-ver1.1-March2021

Project Contact

General Project Questions

Denise Markow, 301.789.9088

Contracting Issues

Kathleen Frankle, 301.405.8271

Data Validation

Zach Vander Laan, 301.405.2350

Technical Questions

Stan Young, 301.792.8180

Validation Technical Advisory Committee (TAC) Chair

Mike Fontaine

[Quick Start Sheet](#)

[TDM Fact Sheet](#)

[State Points of Contact](#)

[Vendor Points of Contact](#)

Upcoming Meetings

Check back for information on upcoming meetings.



TDM Vendor Series



*These forums will showcase individual vendors from the TDM datasets.***

	Carto INRIX HERE Iteris Timmons Group
	AirSage Geotab INRIX Streetlight
	Geotab INRIX Quetica Streetlight
	AirSage INRIX Stellar Wejo
	HERE INRIX Iteris iTrafiQ Streetlight
	1 Spatial INRIX iTrafiQ



Wrap Up



QUESTIONS?



Thank You!



Denise Markow

TSMO Director

The Eastern Transportation Coalition

dmarkow@tetcoalition.org

Stan Young

Chief Data Officer

The Eastern Transportation Coalition

seyoung@tetcoalition.org