

TECHNOLOGY, INFORMATION & COMMUNICATIONS COMMISSION

Special Meeting
December 2, 2020 7:05 p.m.

APPROVED MINUTES

CALL MEETING TO ORDER

Chair Mohanty called the meeting to order at 7:05 pm

ROLL CALL

Commissioners Present:	Prabir Mohanty, Naidu Bollineni, Mukesh Garg, Rajaram Soundararajan, Eliza Du, Ph. D.
Commissioners Absent:	None
Staff Present	Rei Delgado, Multimedia Communications Specialist
Verizon Speakers:	Andrea Mantovani, Segment Lead Ray Bauer, Director Solution Specialist Jimmy Kim, Transportation Lead Jade Wang, Strategic Account Manager Steve Voit, Transportation Specialist HP, Public Safety Specialist Jon Amussen, Business Dev. & Strategic Planning Alex Leupp, Government and External Affairs Russ Svoboda, Managing Partner Sasi Ranganatah, Bosch Representative

APPROVAL OF MINUTES

1. **Subject: Approve Minutes from the November 4, 2020 regular meeting.**

Commissioner Bollineni moved to approve the minutes for November 4, 2020.
Commissioner Soundararajan second the Motion.

Motion passed unanimously.

ORAL COMMUNICATIONS

This portion of the meeting is reserved for persons wishing to address the commission on any matter not on the agenda. Speakers are limited to three (3) minutes a person. In most cases, state law will prohibit the commission from making any decisions with respect to a matter not listed on the agenda.

- A. **None**

WRITTEN COMMUNICATIONS

NEW BUSINESS

2. Receive Presentation from Verizon Communications on Smart Technology Solutions

Verizon Speakers introduced themselves followed by the Commissioners.

Andrea Mantovani, Segment Lead, presented the PowerPoint, which focused on:

- ❖ Verizon Profile in Public sector
- ❖ Cupertino Needs Journey
- ❖ Verizon Smart Technology Framework
 - Traffic/Transportation
 - Future Proof Architecture/Case Studies
 - Climate Monitoring (Bosch)
 - Irrigation
 - Noise Measurement – Intelligent Video
- ❖ Conclusions and Next Steps

During the presentation, Mr. Montavi reviewed The Verizon Intelligent Edge Network, consisting of:

- ❖ Connectivity:
 - 4G LTE
 - 5G Ultra-Wideband
 - Fiber
 - Global IP
- ❖ Platforms:
 - ThingSpace (IoT)
 - Security
- ❖ Solutions and Services
 - IoT-enabled solutions
 - Customer experience
 - Security solutions
 - Networking
 - Communication
 - Mobility
 - Application services
 - (IT Services)
 - Professional Services

- Managed Services

The Commission received information on Verizon's Smart Technology Framework as it relates to Traffic and Transportation.

Mr. Voit demonstrated a Dashboard pertain to Marietta city, illustrating metrics for Better Managing Parking and the Curb.

Next, Jimmy Kim, Transportation Lead, explained Traffic Data Services (TDS) anonymously measures the movement of devices in vehicles using the communication messages they exchange with nearby cell towers.

Mr. Kim informed the Commission:

- TDS does not rely on triangulation of cellular signals
- TDS detects unique interaction patterns as a device travels down a corridor
- TDS "virtual sensors" – spaced at 0.2-mile intervals – measure traffic every 2.5 minutes
- TDS provides aggregate traffic measures, such as average speed & travel time

Commissioner Garg inquired about the Traffic Data Services accessibility, which Mr. Kim confirmed is accessible to Verizon Customers only.

Mr. Kim discussed the Case Study for Santa Clara County, emphasizing integrated TDS into responsive signaling platform for County's 8 expressways.

He further highlighted:

- TDS replacing Bluetooth sensors as a source for real time speed data, integrated into Traffic Ware responsive signal timing platform
- TDS offering higher resolution, more frequent updates
- Every .25 miles at 2.5 min interval vs. 2 miles every 15 min for Bluetooth
- Significant ROI and savings
- Minimize capex and cost to maintain equipment

Mr. Kim also showed Case Studies for San Jose.

He discussed the following:

Delivering traffic counts and analytics to support City's Vision Zero Traffic Safety Program.

- Deployed turn-key solution, comprising video sensors, communication backhaul, and ARC-GIS based custom dashboard

- Metrics include vehicles and ped counts, turning movements, speeds, and near miss analytics
- Enabling infrastructure and policy decisions to increase traffic safety and inform longer term Vision Zero strategy

Next, Mr. Ranganatah, provided information on Bosch Air Quality Solutions.

Bosch offers Air Quality Solutions, they provide accurate and reliable emission and certified air quality data through real time monitoring, predictive functions, data processing and validation.

Through an Immission Monitoring Box (IMB), pollution is monitored to gain an accurate view of the air quality and to identify pollution sources.

Bosch affirmed they explore complex relations in the field of air quality management. Thus, making them stand out in comparison to other Vendors.

At last, HP, Public Safety Specialist discussed Intelligent Video.

He noted the following Business Challenges:

- Medium Sized City looks to improve public safety and deter crime
- Requires real time event monitoring
- Needs automatic alerting or license plate hot list.
- Intersection monitoring.
- Limited IT staff

And pointed out how Verizon can assist:

- Intelligent Video
- City manages multiple sites from a single interface
- Utilize both wireless and wireline connectivity (depending on location)
- Provide a fully featured cloud and managed service to avoid implantation and maintenance burdens

As a result of their offered services, HP highlighted the outcomes below:

- Improve situational awareness through remote monitoring of multiple areas throughout the City

- Enables quicker response time and apprehension of potential criminals through license plate recognition
- Law enforcement can focus on public safety rather than implementation an IT issues

The Commission thanked Verizon for the presentation.

ADJOURNMENT

Chair Mohanty adjourned the meeting at 9:15 pm.

SUBMITTED BY:

/s/ Marilyn Monreal

Marilyn Monreal, Recording Secretary

APPROVED BY:

/s/ Prabir Mohanty

Prabir Mohanty, Chair