

TECHNOLOGY, INFORMATION & COMMUNICATIONS COMMISSION

Regular Meeting
March 2, 2022, 7:00 p.m.

APPROVED MINUTES

CALL MEETING TO ORDER

Chair Garg called the meeting to order at 7:00 pm

ROLL CALL

Commissioners Present: Mukesh Garg, Naidu Bollineni, Rajaram Soundararajan. Eliza Du, Ph. D.
Commissioners Tardy: Prabir Mohanty
Staff Present: Bill Mitchell, Chief Technology Officer (CTO)
Guest Speakers: Teri Gerhardt, GIS Manager
Adam Araza, GIS Analyst

APPROVAL OF MINUTES

1. Subject: Approve Minutes from the January 27, 2022, Special Meeting.

Chair Garg requested the Minutes be updated to accurately reflect:

Agenda Item No. 4

Discuss and Prioritize TICC FY23 Work Program Proposal

*“After discussing recommendations, Vice Chair Bollineni made a motion to approve the top **four** recommendations as follows:*

- Pilot License Plate Recognition*
- Research Vision Zero Technologies*
- AI Powered Bots*
- Cybersecurity Public Education”*

Chair Garg made a motion to approve the Special Minutes as amended. Vice Chair Bollineni second the Motion.

Commissioner Du joined the teleconferenced meeting.

Motion passed 4-1 with Commissioner Mohanty tardy.

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

A. None

NEW BUSINESS

2. Receive Presentation about Cupertino's Drone Program and consider making a recommendation to the City Council

CTO Mitchell introduced GIS Manager Gerhardt, and GIS Analyst Araza.

Mr. Araza presented a PowerPoint titled "Drones in the City of Cupertino."

The presentation overview consisted of:

- Definitions
- Background
- Potential Use Cases
- Staff Training
- Drone Selection
- Privacy

As part of the Presentation, Mr. Araza defined:

- UAV (Unmanned Aerial Vehicle) is an aircraft that can be flown without human pilots, crew, or passengers on board, commonly known as a "Drone."
- UAS (Unmanned Aerial System) Includes all components of flying the UAV, including controller, and other support systems
- FAA (Federal Aviation Administration) Regulates all civil aviation in the country
- PART 107 (14 CFR PART 107 Small Unmanned Aircraft Systems) Code of federal regulations involving small unmanned aerial systems (sUAS) sUAS refers to operations of UAVs under 55lbs

Supporting Background information was provided in support of using Drones for:

- Disaster Response
- Safely Gather Situational Awareness
- Identifying Use Cases in Cupertino such as Construction Monitoring, Site Modeling, and Inspections)

City Staff Mandatory Training was outlined as:

- Recurring training consists of 4 sessions per year
- Two training sessions must be with Certified Instructor

Cupertino's current Drone Selection was shared.

Most Importantly, Mr. Araza addressed the Privacy of Cupertino Residents by highlighting:

- Missions must be pre-approved before deployment
- -Drones will not be used to spy on residents
- Pilots will respect private space
- Use of thermal camera will have clear business case and be pre-approved before deployment
- Only certified pilots allowed to fly

Discussion, Questions and Answers followed the Presentation.

The Commission thanked GIS Analyst Araza for the informative update.

The Commission fully supported moving the Drone Program forward to Council for consideration.

3. Discuss the potential return-to-onsite Commission meetings

CTO Mitchell share recent COVID-19 updates:

- ✓ Governor Newsom lifted the mask mandate
- ✓ Santa Clara County strongly encourages individuals wear masks
- ✓ City of Cupertino is making plans to return to City Hall April 4th

City Staff is making a recommendation to resume in person Commission Meetings in May.

Mr. Mitchell emphasized details on how the Public can join meetings is still being discussed however the return to In-person Commission Meetings has been confirmed.

The Commission discussed concerns returning to in person meetings.

CTO Mitchell relayed meetings will resume in Conference Room C, the biggest conference room in City Hall.

OLD BUSINESS

4. Review TICC FY22 Work Program

Mr. Mitchell provided an update:

Adaptive Traffic Signaling and Multimodal Traffic Count: The equipment has been installed, configured, and operating. Staff will begin analyzing data at the end of June 2022.

The intersections involved are:

- DeAnza & Mariani
- DeAnza & 280N

- DeAnza & 280S
- DeAnza & Homestead

Climate Monitoring and Noise Measurement: City staff have retained Envirosuite, and encumbered funds to initiate the pilot project. The pilot consists of monitoring Pollution and Noise Environments in the area adjacent to Lehigh and Stevens Creek Quarry by installing sensors. There will be a public portal for residents to access data.

The Commission thanked Mr. Mitchell for the informative update.

STAFF AND COMMISSION REPORTS

5. Subject: Commissioner Report from the Mayor's Meeting

Commissioner Du reported Mayor Paul and Vice Mayor Chao will alternate hosting the monthly Mayors meeting with the Commissioners.

6. Subject: Review Activities Calendar

The Commission reviewed the schedule for upcoming Mayors Meetings:

- April 13: Commissioner Raj
- May 11: Commissioner Mohanty

7. Subject: Review Action Items List

The Commission reviewed Action Items list.

8. Subject: Commissioner Updates-

CTO Mitchell provided an update on FY23 Work Program Proposal Recommendations

ADJOURNMENT

Chair Garg adjourned the meeting at 8:25 pm.

SUBMITTED BY:

Marilyn Pavlov

Marilyn Pavlov, Secretary

APPROVED BY:

Mukesh Garg

Mukesh Garg, Chair