



**Technology, Information and Communication Commission  
FY 2020-21 Work Program**

Project/Task	Project Objective	Responsibility	Estimated Completion Date
<b>Pilot - Adaptive Traffic Signaling</b>	Utilize the City's Traffic Management System to test impact of enhanced adaptive traffic signaling. This will be done through software modifications and/or the addition of IOT devices such as intelligent cameras and sensors.	Commissioners Mohanty & Bollineni	Summer 2021
<b>Pilot - Multimodal Traffic Count</b>	Utilize the City's Traffic Management System and/or IOT equipment to provide the number of vehicles, pedestrians and bike traffic that moved through a given area, e.g., intersection, roadway or trail.	Commissioners Mohanty & Bollineni	Summer 2021
<b>Climate Monitoring - Pilot</b>	Utilize IOT sensors to measure particulate and pollution levels	Commissioners Garg & Soundararajan	Spring 2021
<b>Pilot - Water Scheduling Based on Moisture Content</b>	Utilize IOT sensor to measure ground moisture content. Use this information to better manage water irrigation within medians. Additionally, these IOT sensors may better pinpoint water leaks.	Commissioners Garg & Soundararajan	Winter 2020
<b>Pilot - Noise Measurement</b>	Utilize inexpensive IOT sensors to measure/categorize noise	Commissioners Garg & Soundararajan	Winter 2020
<b>Education - Provide education on 5G</b>	Explore the pros and cons of cellular communication - specifically small and macro antennas	Commissioners Bollineni & Soundararajan	Spring 2021
<b>Fiber Optic and Wireless Master Plan</b>	Update 2006 Master Plan Holdover from FY 2019 - 2020 work program	Commissioners Bollineni & Du	Completed