



CITY of CALABASAS

TRAFFIC AND TRANSPORTATION COMMISSION AGENDA REPORT

DATE: FEBRUARY 18, 2021

TO: TRAFFIC AND TRANSPORTATION COMMISSION

FROM: ROBERT YALDA, P.E., T.E., PUBLIC WORKS DIRECTOR/CITY ENGINEER

BY: THOMAS MERICLE, P.E., T.E., INTERWEST CONSULTING GROUP

SUBJECT: TRAFFIC SIGNAL UNINTERRUPTED POWER SUPPLY INSTALLATION PROJECT UPDATE

MEETING

DATE: FEBRUARY 23, 2021

SUMMARY RECOMMENDATION:

This is an informational item only and requires no action.

BACKGROUND:

The Traffic Signal Uninterrupted Power Supply Installation Project will provide batter backup systems at eleven (11) intersections at the following locations:

- | | |
|---|---------------------------------------|
| 1. Agoura Rd and Lost Hills Rd | 7. Park Granada and Park Capri |
| 2. Parkway Calabasas and Calabasas Rd | 8. Park Granada and Park Sorrento |
| 3. Parkway Calabasas and Park Sorrento | 9. Calabasas Rd and Park Granada |
| 4. Parkway Calabasas and Park Granada | 10. Calabasas Rd and Common Ways |
| 5. Parkway Calabasas and Park Entrada | 11. Calabasas Rd and Civic Center Way |
| 6. Parkway Calabasas and Paseo Primario | |

The installation of UPS systems at the eleven locations shown will complete the installation at all of the City's traffic signals. UPS systems provide a batter backup system that allows for traffic signals to continue to operate when there is a loss of

power from Southern California Edison (SCE). The traffic signal will operate for 2-3 hours in full operation and then in flashing red operation for an additional 4-5 hours depending on the number of signal indications that are being powered by the batteries. This allows the traffic signals to continue to provide positive traffic control during power outages and improve traffic safety. The UPS system will also provide power conditioning to reduce potential traffic signal equipment damage due to utility power fluctuations.

In all but three of the locations the UPS system will be installed inside of the existing traffic signal controller cabinet. The remaining three locations will have an exterior cabinet attached to the top of the traffic signal installed. These three locations do not have the interior space to place the batteries due to existing traffic signal equipment within the cabinet. Typically, this is due to video detection or video surveillance systems. The three locations are:

- Agoura Road and Lost Hills
- Parkway Calabasas at Calabasas Road
- Calabasas Road at Park Granada

The top mounted battery enclosure looks like what is shown below:



The internal mounted battery solutions place them on a tray within the cabinet so there will be nothing visible externally to how the cabinets currently look.

In January 2021 the City released a Request for Proposals (RFP) for the project. The City received four (4) proposals from the following companies:

- Crosstown Electric
- Siemens
- Econolite Systems
- JQG

City staff reviewed the proposals and is recommending that the project be awarded to Siemens. Siemens ranked the highest in the proposal evaluation scoring because

they had the most comprehensive response, address all of the questions asked, proposed a system that will provide the longest operation runtime, and they were the only proposer that did not have a negative claim history. Siemens is also the City's contract traffic signal maintenance contractor, so they already know the system and locations very well.

The total cost of the project is expected to be within the \$100,000 budget.

REQUESTED ACTION:

This is an informational item only and requires no action.