

## Gomez, Diana

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**From:** Rodolfo, Raimundo  
**Sent:** Monday, March 20, 2017 7:56 PM  
**To:** Gomez, Diana  
**Subject:** RedSpeed Technical Review

Diana,

Please find below some bullet points from our technical review of the RedSpeed red light camera system:

I.T. performed a technical review of the proposed Red Light Camera solution from RedSpeed USA Corp. for the City of Coral Gables Police Department.

The I.T. Department met on 11/3/2016 with the RedSpeed management and technical teams, including members of their information technology and engineering groups. The RedSpeed staff provided a live demonstration of the following features:

- Feature-rich web user interface with secured encrypted access.
- Live streaming video camera footage.
- High resolution video.
- Ability to zoom-in with clear image.
- Ability to clearly read a vehicle license plate when zooming in.
- Ability to playback and stop video for analysis, regardless of a traffic violation taking place.
- Ability to obtain and download the video on-demand.

The I.T. Department also reviewed the current red light camera technology used by Police (ATS) and validated that it does not provide the aforementioned features, as follows:

- ATS does not provide high resolution video, video is not available on-demand or real-time and has to be requested to the vendor with 48 hours approximate lead time,
- ATS's cameras are not infra-red and use white-flash instead
- ATS users can only zoom-in on the video that is related to a traffic violation.

The I.T. Department also requested the following information from the vendor for technical compliance:

- Web access security: SSL encryption (HTTPS)
- Video data security: AES 256 bits of encryption for video at-rest, and SSL for video transmission.
- Video storage: Video not related to traffic violations is stored locally for 30 days (16TB capacity), and traffic violation video is uploaded to their data center. The vendor provided storage product specs sheets to I.T.
- Connectivity: The vendor uses copper Internet service lines usually provided by Comcast, with 25Mbps down and 10Mbps up speed.
- Environmental protection and enclosures: The vendor uses enclosures for their camera equipment, for ruggedized protection against high/low temperatures, humidity and other weather elements. The vendor provided enclosure product specs sheets to I.T.
- Business Continuity and Disaster Recovery: The vendor indicated that they have a data center in Illinois with power backup, and data backups shipped to a disaster recovery facility.

Thank you,

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