REMOTE CAMERA & SERVER

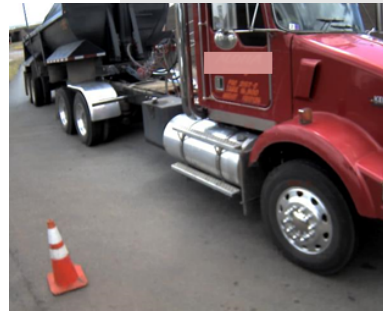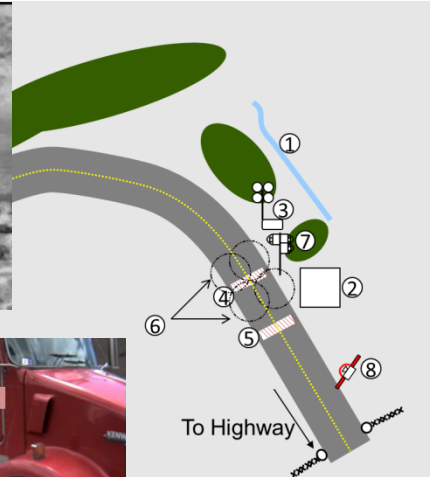## About Guide Star Engineering, LLC

GSE (est. 2006) is a technology based engineering company. Our staff of administrators, engineers and technicians applies their management, design, development and fabrication skills to meet the needs of government and industry. Our technical disciplines include: Electrical Engineering ,Optical Engineering, Environmental Engineering, Personal Protective Equipment, Mechanical Engineering, Industrial Engineering, Computer and Software Engineering, and Physical Sciences.

Our highly capable staff has over 100 years experience in the following fields:
- Aerospace, Acoustics
- Data Acquisition Systems
- Electronic Circuit Design
- Industrial Automation
- Mechanical Structures
- Microwave Antennas
- Operator Interface
- Remote Sensors
- RF Communications
- Safety, and Security
- Sensors and Transducers
- Signal Processing
- Underwater and Airborne Platforms

Remote IP Camera System

Guide Star Engineering developed an IP based camera and 2TB server system as a solution that gave a remote security station digital image quality. The challenge was developing a compact low power solution for the station that had no access to the wired infrastructure at an industrial site.

Solutions

- Visible and infrared (IR) capable
- ClearPix video and image capture
- Standalone single rack system
- Standalone LAN
- Robust in high dust industrial environment

Technologies

- IP color high definition (HD) cameras
- ClearPix software with event recorder
- 2TB RAID 5 server
- Battery backup
- Removable network access storage (NAS)

Advantages

- 24/7 digital video that is superior to analog CCTV technology
- Expandable to include additional sensors and capability (e.g. automatic asset tracking tools)
- Reasonable system cost

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