

## 01.32.36 Video Monitoring and Documentation Bid Specification Work Zone Cam 18 Megapixel SLR Wireless Camera System

- I. The Contractor shall provide a High Definition Megapixel Web Camera which shall provide a full view of the work area on the construction jobsite. The Web Camera shall allow users to remotely view the project on a secure connection via a network connection.

VENDOR OF CHOICE: Work Zone Cam 877-966-3101 WWW.WORKZONECAM.COM

- II. The Web Camera shall meet or exceed the following requirements:
- Thermostatically controlled enclosure with heater and blower
  - Powder coated aluminum housing with stainless steel fittings for padlocks
  - Canon digital SLR camera with 18 Megapixel images (5184 x 3456 pixels), APS-C Imager
  - Angle of view: wide 63° horizontal - 44° vertical, full zoom 22° horizontal – 15° vertical
  - Auto Features: ISO speed, metering mode, white balance, and focus
  - EF-S 18mm-55mm f/3.5-5.6 Image Stabilization STM lens
  - Professional photo grade lens window
  - Omni-directional power indicator lamp will illuminate green
  - Two UL rated compression glands, gas spring lid, adjustable camera sled
  - Compression: JPEG/RAW
  - 4GB onboard storage
  - 120VAC or 12VDC Solar Power
  - Communications: 10base-T/100base-TX Ethernet, IP Addressing: Dynamic or Static
  - Wireless cellular modem EVDO REV.A full duplex transceiver with GPS and exterior outdoor antenna
- III. Online Web Interface: The Web Camera will function via a web based interface to allow the viewing of all High Definition still images captured and stored from any location with internet access.

The Online Web Interface shall include:

- Company logo and project name
  - Multiple tabs option for accessing multiple cameras from one page
  - Digital Pan, Tilt, and Zoom capability within a High Definition image
  - Easy navigation with intuitive image calendar control
  - Automated image geotagging with camera location
  - Downloadable up-to-date high quality time-lapse movies with embed code for adding the time-lapse to websites
  - Image Comparison Tool for overlaying two images from different dates and times for comparison
  - Share Image Tool for saving and emailing
  - Local weather data
  - Map integration of GPS data showing camera location
  - Multiple website themes with option to personalize background
  - Administrative controls for the client, allowing them to customize public access page, including project name, camera name configuration and username management with three levels of password protection
- IV. The system shall capture and upload images every 30 minutes, 24 hours per day.
- V. The System Vendor will maintain images on their servers for reference available at all times during the life of the project. All images will be protected on secure fully redundant servers at multiple locations owned and operated by the System Vendor.
- VI. The System Vendor shall provide an embed code or web interface link with Contactor's project details for unlimited public or private access.
- VII. The Contractor shall secure a nearby structure for camera mounting or provide a fixed pole (40 feet /12 meters height recommended and 3 inches / 8 centimeters minimum diameter) as per System Vendor's instruction. The Contractor shall supply all equipment required for safe and secure access to the camera location, including building access, bucket truck and/or lift, for technicians performing installation and maintenance services.