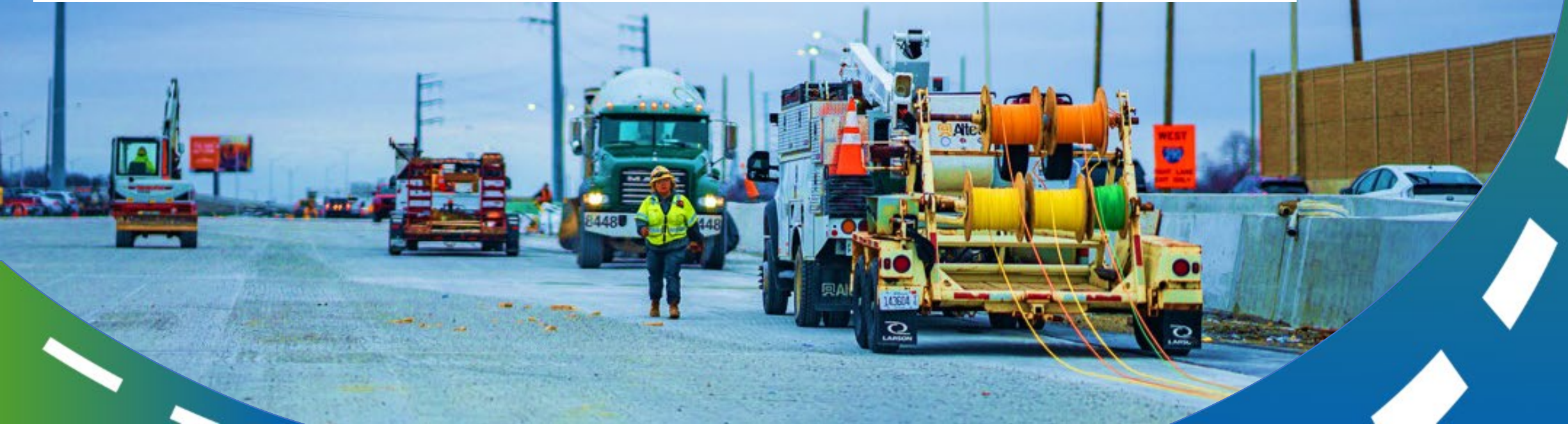


# BUILDING FOR SUCCESS WEBINAR SERIES

*August 10, 2026*



# REMINDERS

Please remain muted for the duration of the webinar

Questions can be submitted via the chat box and will be answered during the Q&A portion



**BUILDING FOR SUCCESS**

Webinar Series



# **Closed-Circuit Television Cameras on the Tollway System, Modernizing Intelligent Transportation System Field Assets**

*Rob Glaz, ITS Manager Illinois Tollway*

*Michel Lavigne, ITS/Tolling Lead-GEC*

**August 10, 2026**

# MODERNIZING ITS FIELD ASSETS

## Business Webinar

Rob Glaz, ITS Manager Illinois Tollway  
Michel Lavigne, ITS/Tolling Lead - GEC

August 10, 2026



# AGENDA

- ◆ ITS Camera Roadway Installation
- ◆ Field Switch Replacement Program
- ◆ Solar MVDS Site Decommissioning
- ◆ Solar MVDS Co-Location Initiative



# ITS Camera Roadway Installation

## Two current types of installation

- ◆ Roadway camera on 50-foot ITS pole
- ◆ Security camera outside plaza buildings
- ◆ Contractor to select CCTV from contract plans and CCTV special provisions to ensure configuration control
- ◆ Installation of ITS camera assembly includes CCTV, 50-foot ITS pole, ITS enclosure, helix foundation, fiber and power connection, concrete service pad and disconnect switch



# ITS Camera Roadway Installation

## Outdoor CCTV for Plaza Building and Roadway Surveillance

- ◆ Axis Q6358-LE 4K camera
  - Excellent visibility in low-light condition
  - Monitor access around plaza buildings and wrong-way exit ramps
- ◆ Axis Q6355-LE 2MP camera gives color video images of roadway with minimum lighting at night

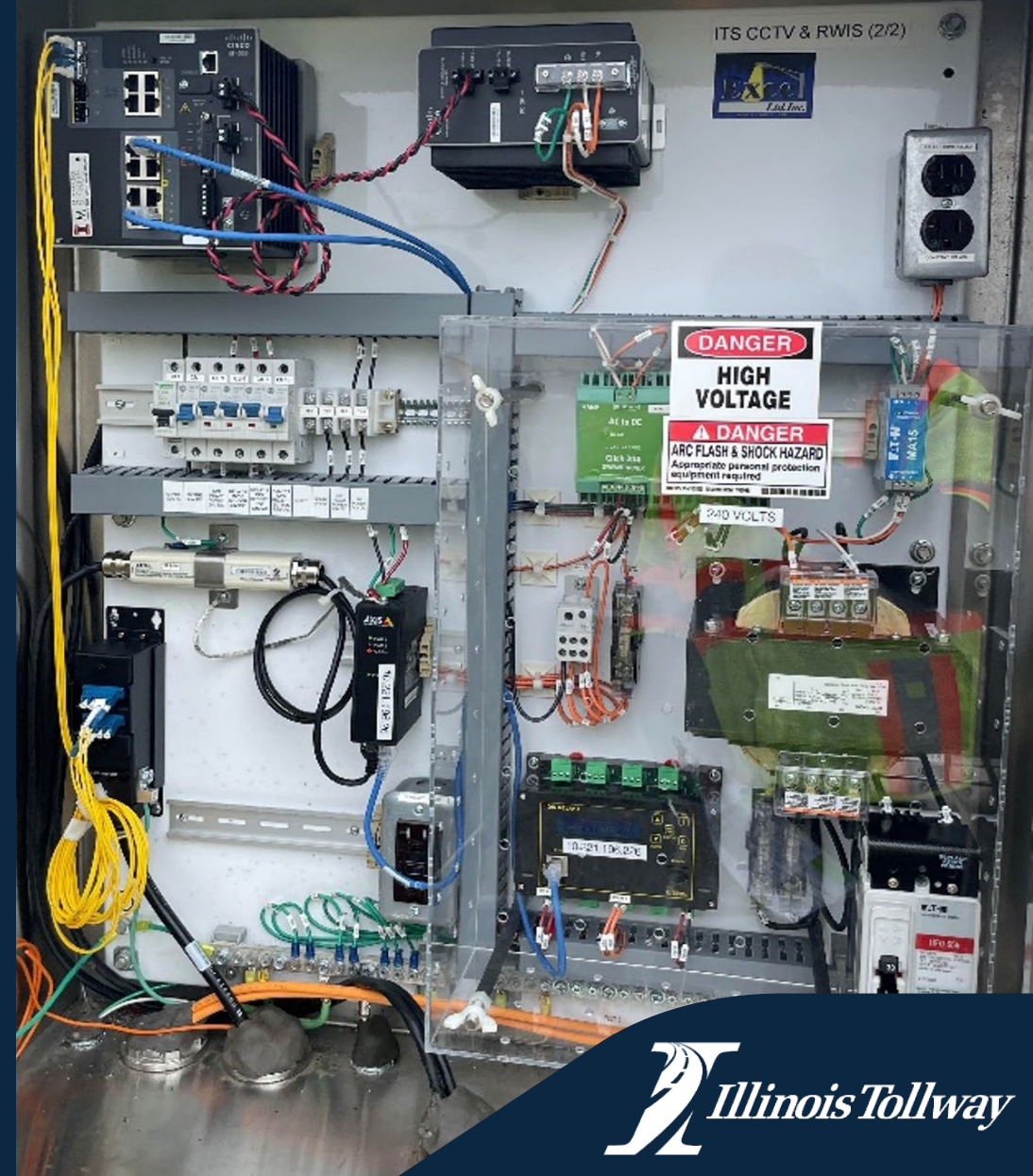


# CCTV TYPICAL INSTALLATION



On ITS pole

Tower-mounted and dual installation



# CCTV TYPICAL INSTALLATION

ITS Enclosure includes 11 configurations  
Factory specification

- ◆ Assembled in-factory with pre-set mounting provisions
- ◆ Factory acceptance inspection is required for each enclosure configuration

## Field inspection

- ◆ Verify conduit holes are aligned, per plans
- ◆ During field installation fiber conduit must align with the fiber Gator Patch bottom left



# ITS ENCLOSURE PROTECTIVE COVER

## Standard input power

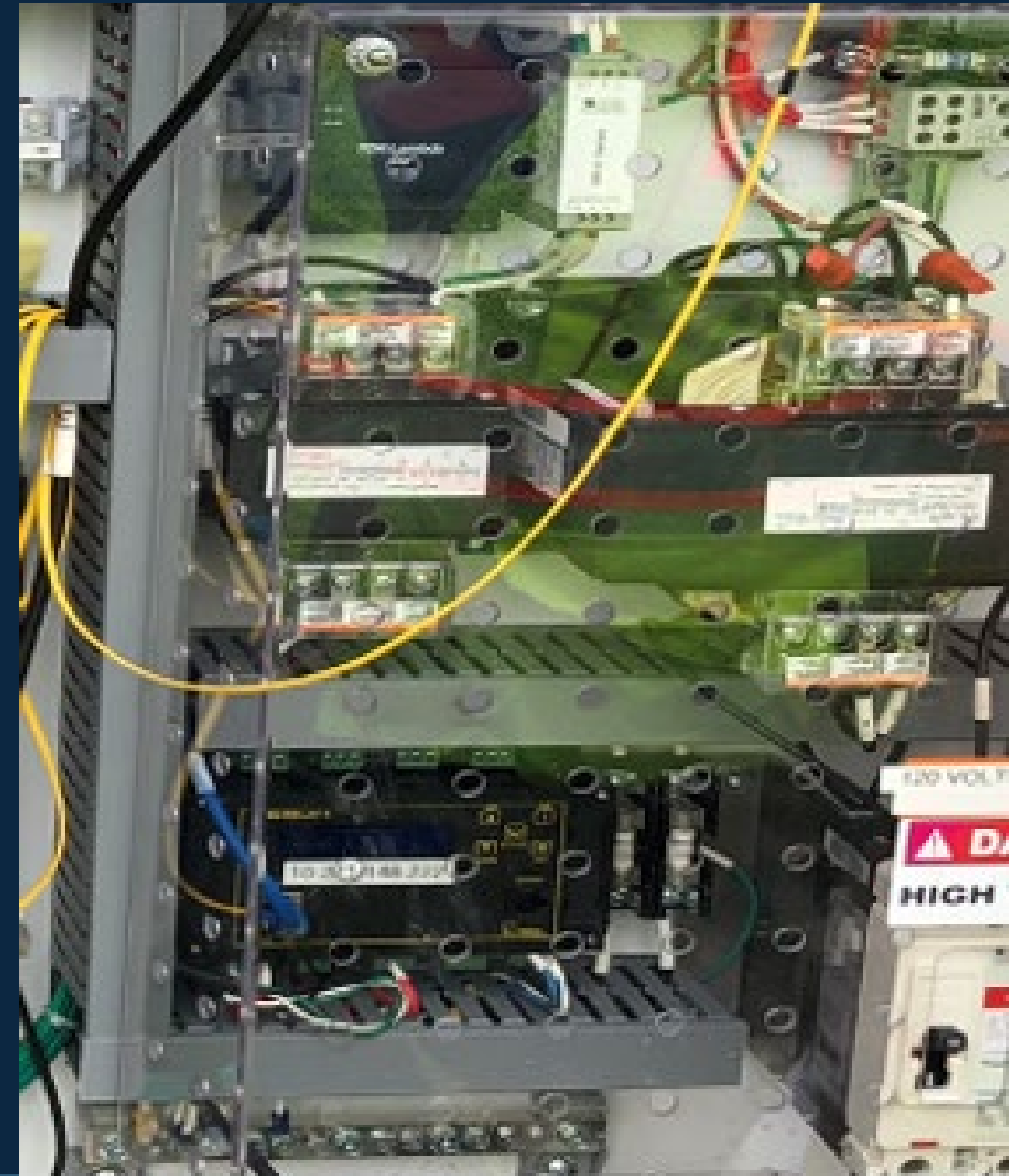
- ◆ 208/240/480 VAC down to 120 VAC and 24 VDC

To improve safety, all new enclosures must have plexiglass cover

## Cover for new construction of ITS enclosure

- ◆ Four-sides cover panel for new ITS enclosure

CM verify contractor uses right voltage label applied on protective cover



# CCTV TYPICAL INSTALLATION

## ITS Service pad

- ◆ Adds extra protection during maintenance, keeps surface dry
- ◆ Three designs available
  - ◆ Type A: Slab for slope  $\leq 1V:6H$
  - ◆ Type B: Slab for slope greater than  $1V:6H$
  - ◆ Type C: Slab with handrail for slope  $> 1V:3H$
- ◆ Slab shall be one-inch above surrounding terrain
- ◆ Subgrade shall be in accordance with standard specification



# CCTV TYPICAL INSTALLATION



*ITS Enclosure with Type A Concrete Foundation*

*ITS Disconnect Switch installed upstream of ITS Pole*



# CCTV TYPICAL INSTALLATION



*ITS Enclosure with Type B Concrete Foundation*

*ITS Enclosure with Type C Concrete Foundation*



# FIELD SWITCH REPLACEMENT PROGRAM

New standard of communication switch is CISCO IE-3300-8T2S-E with power supply PWR-IE170W-PC-AC= and Cisco license IE-3300-DNS-A-3Y

- ◆ Switches to be replaced for quantity of 1,000+
- ◆ Replacement in existing ITS enclosure
- ◆ Previous models to replace:
  - CISCO IE-4000-8T4G-E
  - Reuse existing power supply PWR-IE170W-PC-AC=
  - CISCO IE-3000-8T4G-E
- ◆ Jumper fiber cables shall be labeled



# OLDER SWITCHES TO REPLACE



Cisco IE-3000-8T4G-E



Cisco IE-4000-8T4G-E

# SOLAR MVDS SITE DECOMMISSIONING

The scope shall include the following:

- ◆ Removal of 55 MVDS solar sites
  - Salvage and return ISS SX300 MVDS to Tollway
  - Recycle and dispose batteries
  - Return all modems w/SIM cards
  - Remove pole, cabinets and helix foundation
  - Restore landscaping



# SOLAR MVDS SITE DECOMMISSIONING



*Old Batteries to Dispose per Regulation*

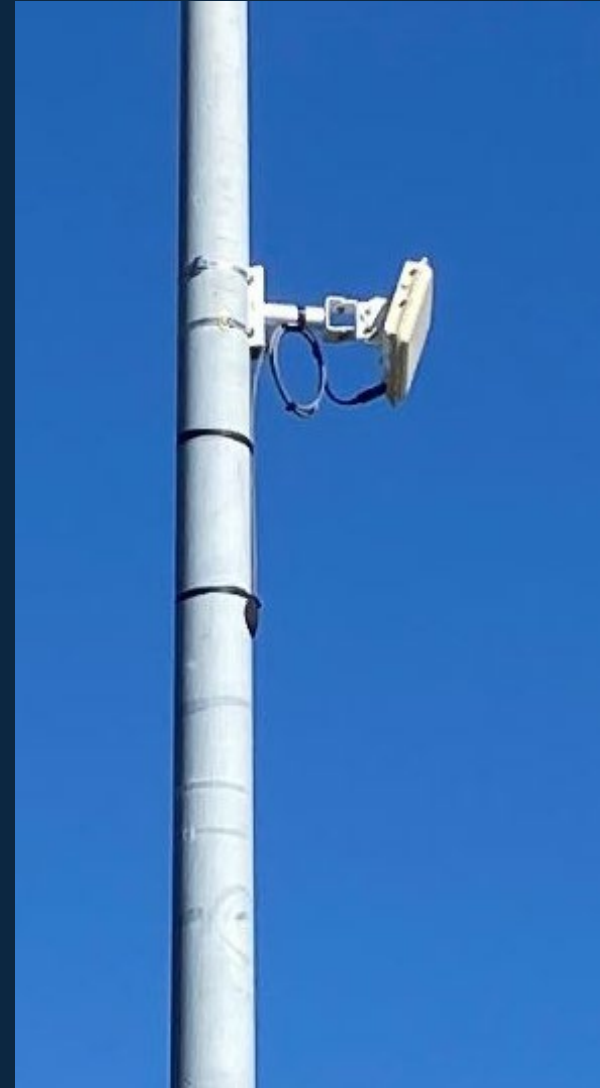
*Battery Box/Modem and Power Converter Enclosures*



# SOLAR MVDS SITE COLOCATION

The scope shall include the following:

- ◆ Installation of 30 new MVDS on existing CCTV camera poles
  - Six (6) ITS enclosures need to be upgraded
  - Communication upgrade from MM to SM optic



# RECAP

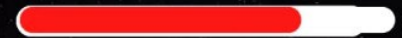
## 3 major takeaways:

- Removal of an ITS pole and cabinet
- Installing MVDS/Camera on existing pole
- New standards for ITS equipment

**2027**  
MVDS

**2028**  
Switch and Cameras

**COMING  
SOON**



Loading.....

# QUESTIONS



# DIVERSITY AND STRATEGIC DEVELOPMENT

## Programs

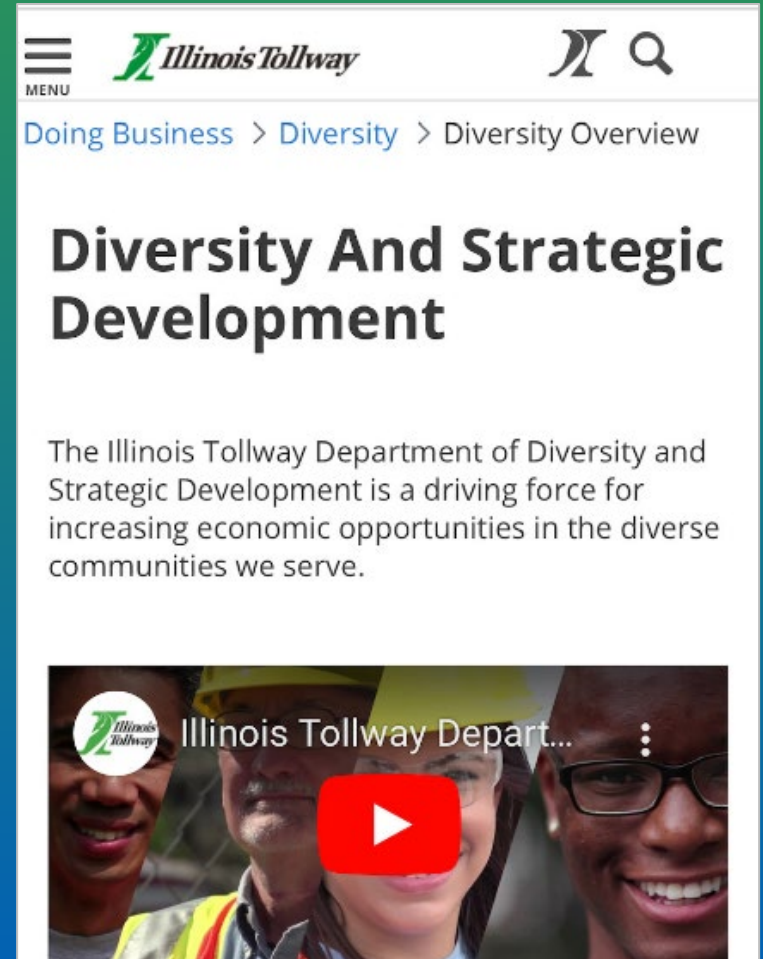
- Business assistance
- Mentoring and training
- Construction industry training and hiring opportunities

## Initiatives

- Virtual outreach sessions
- Training webinars
- Contracting opportunity emails

## REGISTER FOR TOLLWAY DIVERSITY ALERTS!

- [lperez@getipass.com](mailto:lperez@getipass.com)



# SOCIAL MEDIA



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# THANK YOU

