

KENTUCKY TRUCK PARKING INFORMATION MANAGEMENT SYSTEM



TIGER

2015 Tiger Grant Award

- Project: Regional Truck Parking Information and Management System
- Eight state partnership
- \$25 million awarded by FHWA
- \$3.67 million eight state match
- Kentucky share \$2.78 million with \$309K match



 <p>Lead-Applicant</p>	 <p>Partner</p>
 <p>Partner</p>	 <p>Partner</p>
 <p>Partner</p>	 <p>Partner</p>
 <p>Partner</p>	 <p>Partner</p>

PROJECT GOAL:

- Implement a regional truck parking information management system using existing ITS technology on major truck freight routes in eight states.
- Parking information will be disseminated through smartphone applications, dynamic road signage and websites.
- Help truckers quickly and accurately identify safe truck parking spots for needed rest and overnight stays.

Project Highlights and Benefits:



- Project optimizes the usage and performance of existing facilities.
- Provides safe and reliable access to truck parking and reduces overcrowding at rest areas and truck stops.
- Decreases the number of unsafe incidents involving commercial vehicles parked on the shoulders and ramps of highways.
- Multi-state coalition represents one of the largest geographic areas of ITS deployment of truck parking technology.
- Scheduled to go live on 1/2/2019 in eight states.

Kentucky Parking Project Locations:

- 13 sites on I-65 and I-75 corridors
- 5 located at weigh stations
- 7 located at rest areas
- 1 located at private truck stop

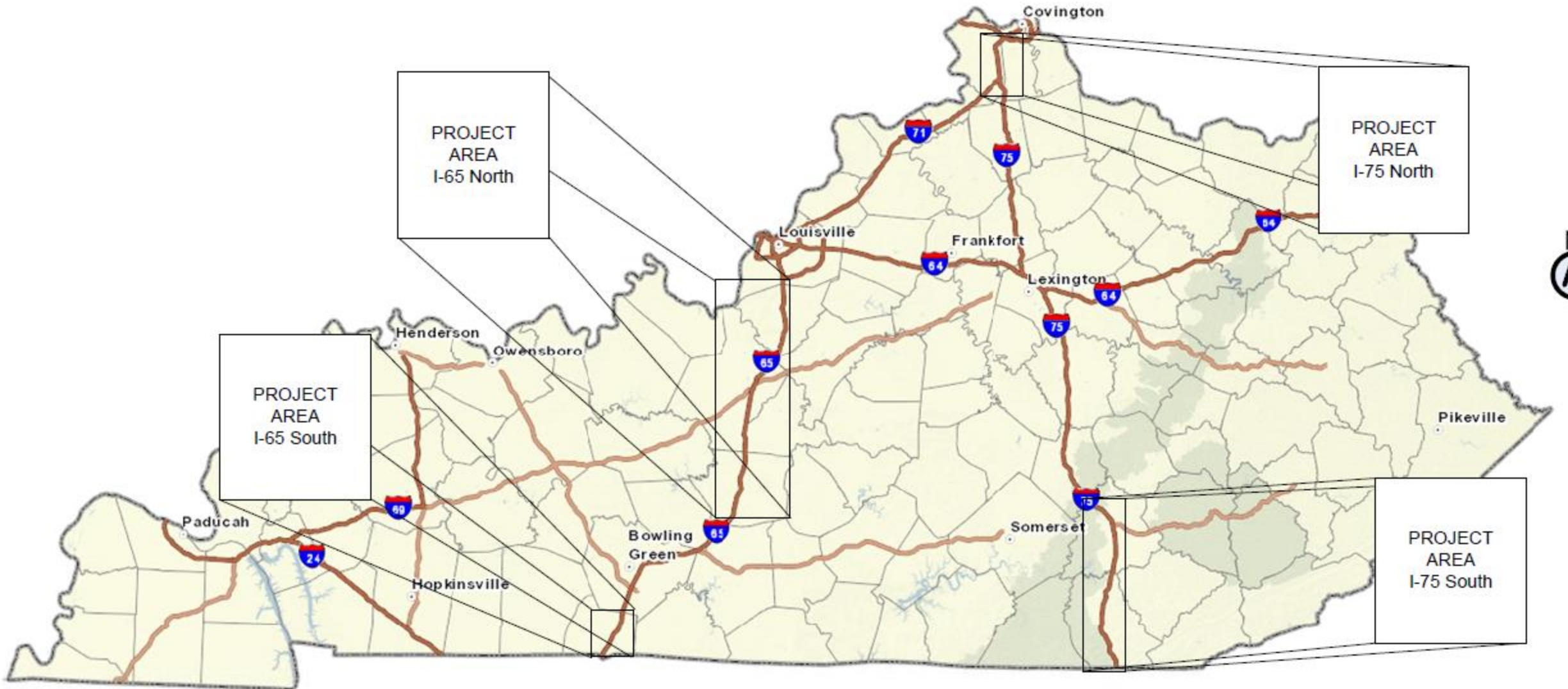




Kentucky Transportation Cabinet



Truck Parking Information Management System (TPIMS) Final Design





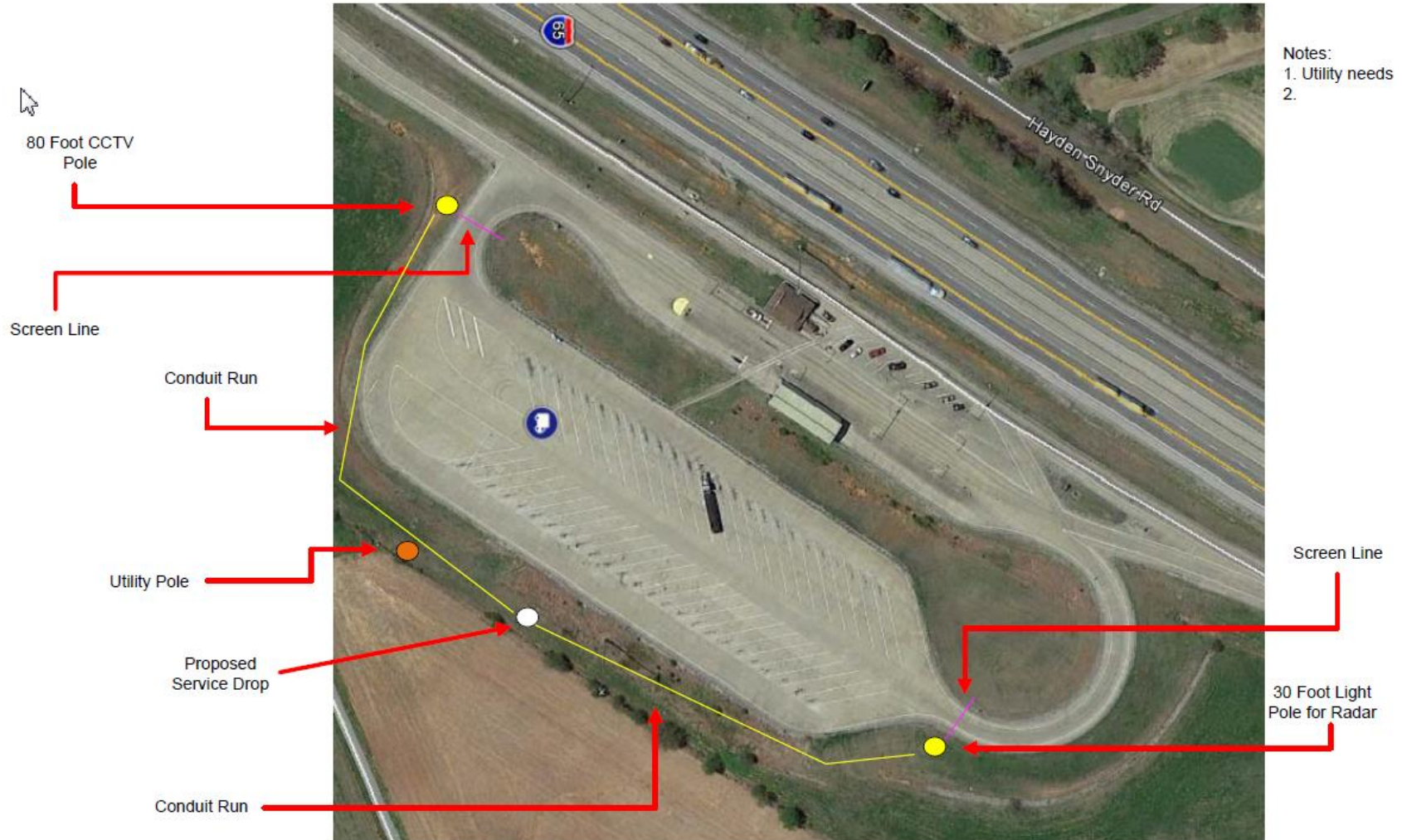
How does it work?

- System uses pole mounted radar beams to count trucks entering and exiting a parking lot.
- Available spots are displayed on a variable message board prior to the entrance/exit ramp.
- Overhead parking lot cameras will be monitored to check accuracy of radar equipment and to make count corrections if needed.



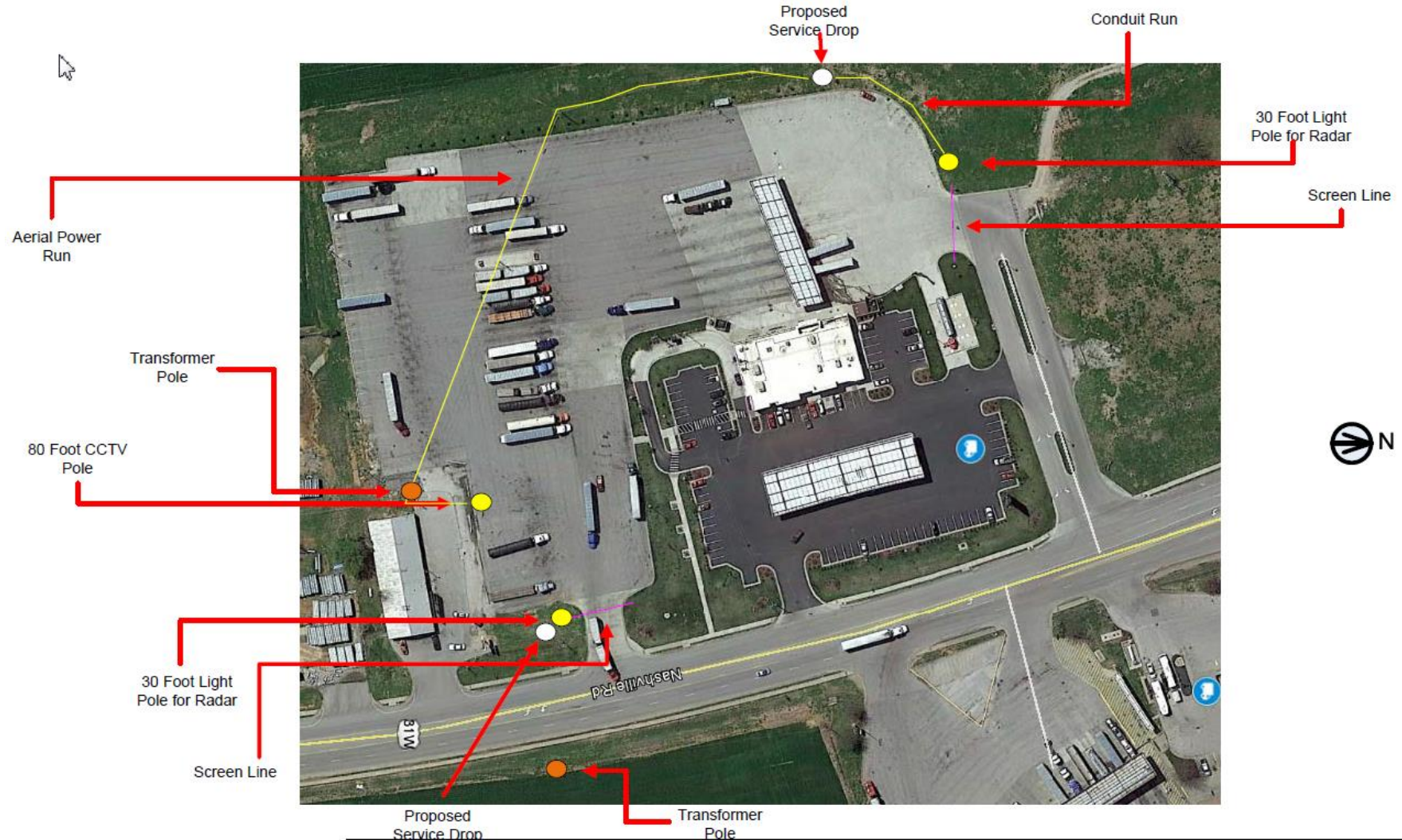


Site Layout: I-65 NB Weigh Station





Site Layout: I-65 Truck Stop



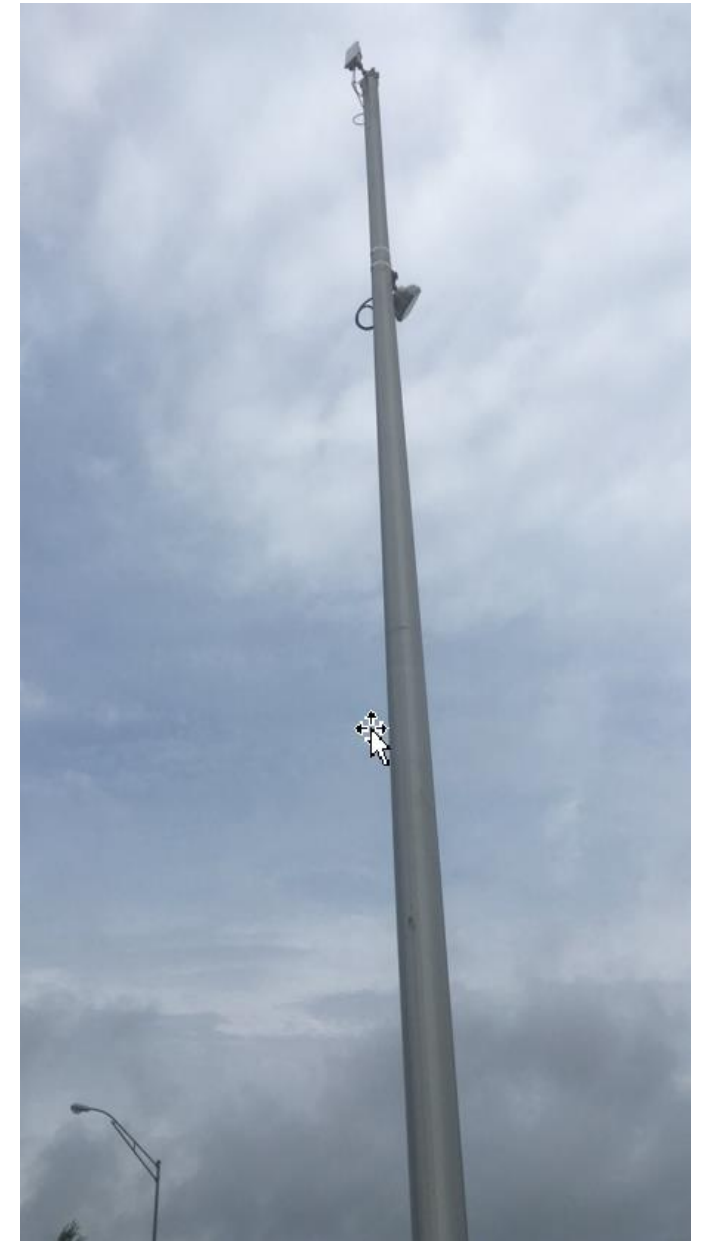


Site Layout: I-65 NB Rest Area





Equipment Used:



QUESTIONS?



CONTACT INFORMATION

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