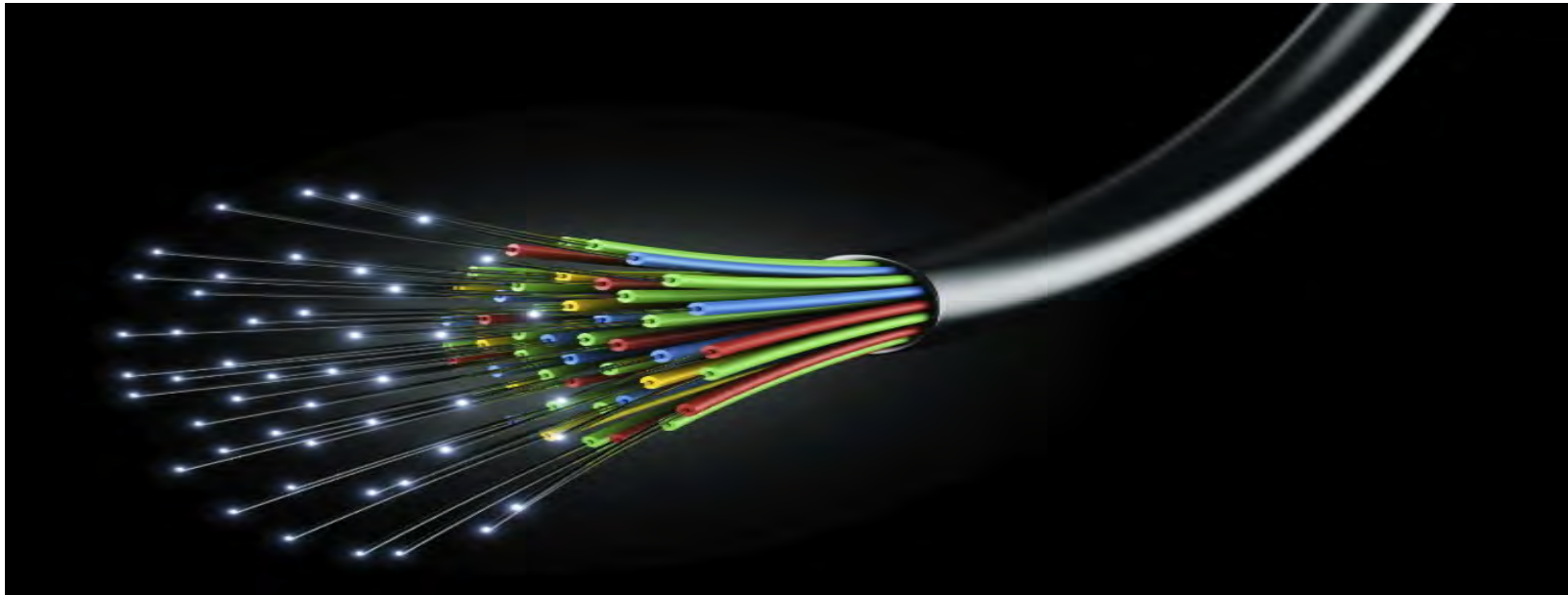
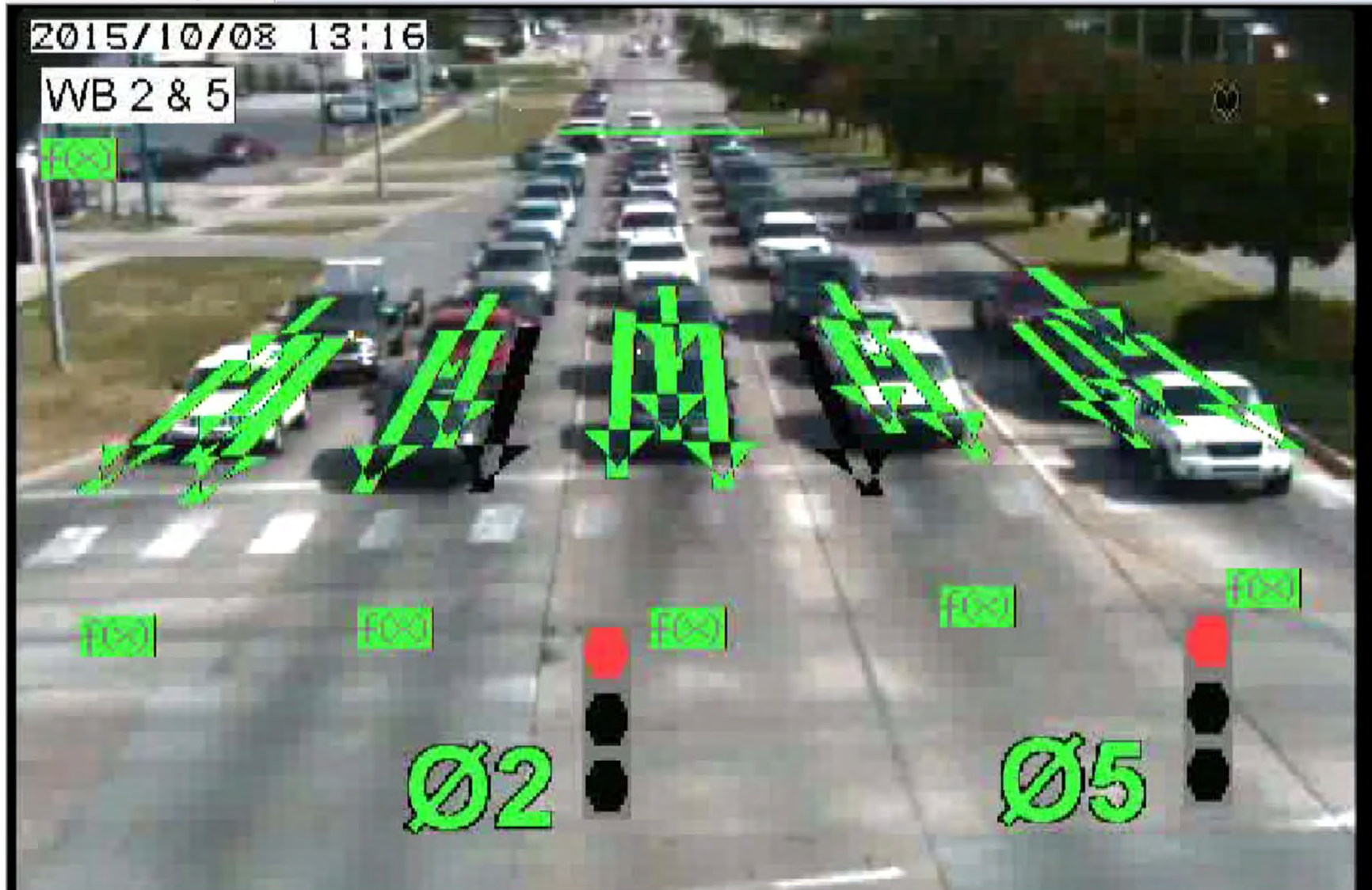


Background

- The City of Norman currently has 147 signalized intersections.
- 86 of those intersections have video detection.
- 50 of those intersections have fiber communications.



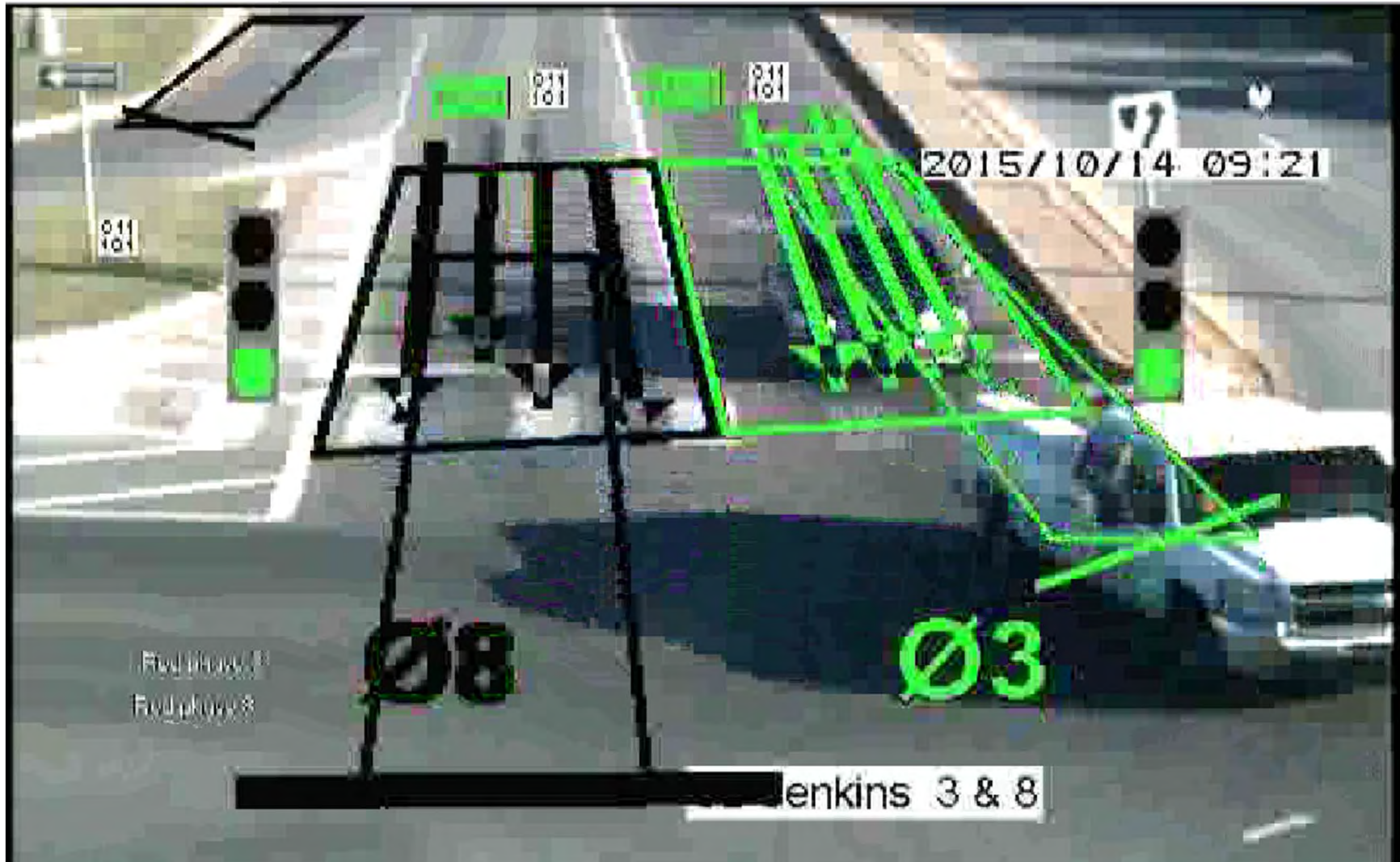
Benefit With Fiber Communications



Advantages With Video Detection

- Technology has changed and now provides us a detection system that can accommodate all means of transportation.
- Video detection is non-pavement intrusive.
- Through fiber communications, we now have the ability to monitor traffic flow.
- Can detect traffic over a large area rather than just a single point.
- Ability to collect and store vehicle count data.

Vehicle Count Detectors



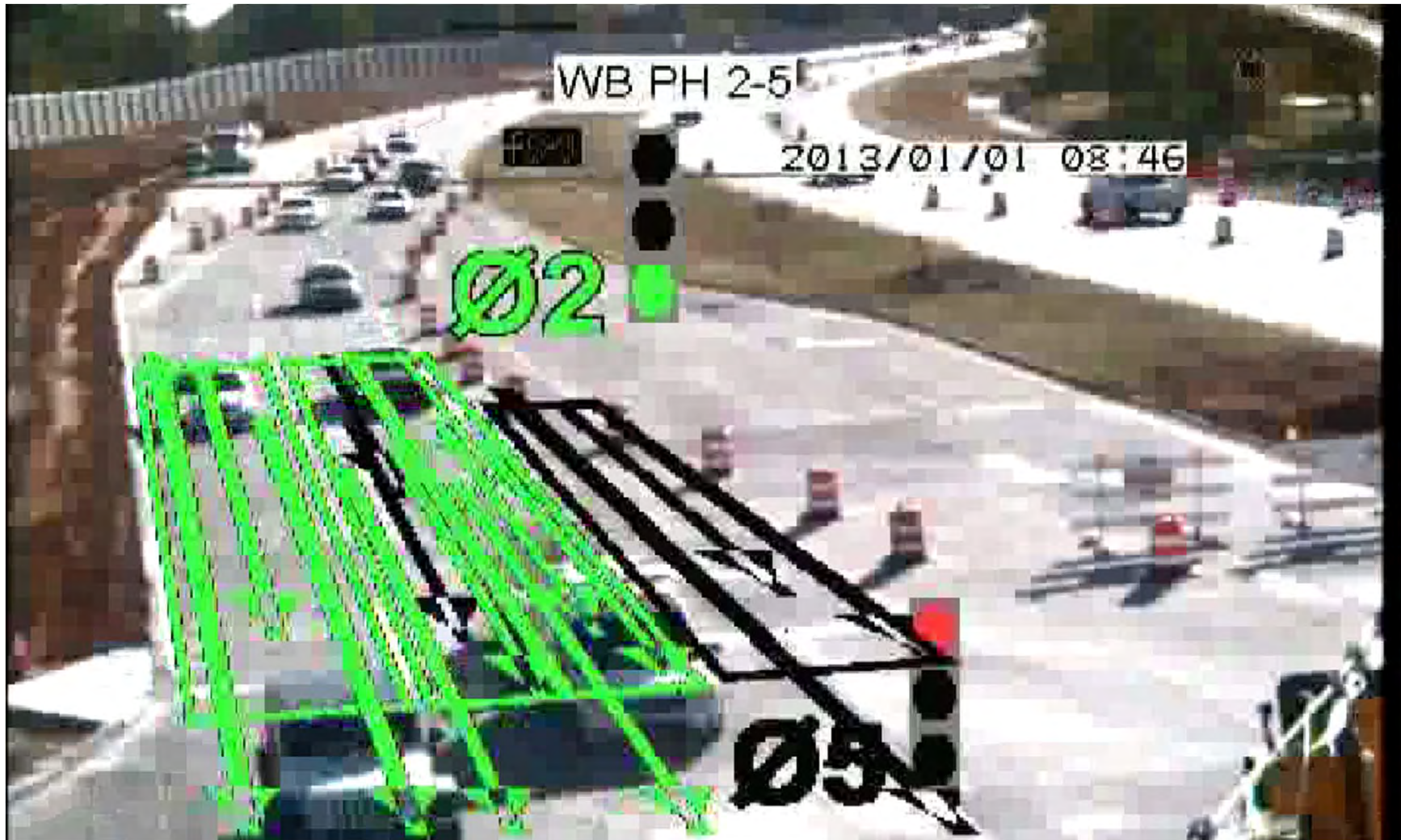


- Large horizontal angles can cause detection problems.
- Camera lenses can become dirty and must be cleaned.
- Wind can cause detection zones to dance around.
- Inclement weather can be problematic for video detection.
- Glare from the sun can blind the video image.

Gratification

- Utility projects are no longer cutting through loops or lead-ins.
- Mill and Overlay projects are no longer an issue with video detection.
- With a monitor, you have the ability to verify all detection is properly working.
- Relocating pavement markings or modifying lane configurations are no problem.
- Ability to accommodate detection for temporary lane configurations through a work zone.

Maintaining Detection



Ease of Repair



- Troubleshooting an issue can be performed by one technician.
- Minimal impact to traffic during maintenance.
- Fewer components that have a potential to fail.
- No longer using a hammer and meter to troubleshoot failed loops.
- Employee safety.



- Now days there is less cost to install video detection to an intersection with multiple lanes than to have conduit trenched, junction boxes set, wire pulled and in-pavement loops installed.
- Equipment is not tied to a specific intersection.
- Less time spent on repairs.
- Money and time can be saved with the advantages video detection offers.

Conclusion

With today's video detection technology, we have the ability to not only detect and monitor traffic but also the ability to collect the necessary data to help improve the flow. Comparing the overall cost and effectiveness of loops vs. cameras today gives cameras the edge. It is an efficient use of taxpayer money for the job they perform.