

Key Challenges and Smart Monitoring Solutions for Councils

Managing temporary works on rural roads presents unique visibility challenges. Whether overseeing roadworks, lane closures, diversion routes, bridge repairs or utility works, project teams often operate in locations with limited infrastructure, reduced traffic volumes and minimal on-site supervision.

Without real-time visibility, incidents can go unnoticed, compliance issues can develop unchecked and road users face increased safety risks.

The 5 Biggest Visibility Challenges

1. Remote Worksites



Challenge

Temporary traffic schemes are often deployed on isolated stretches of road with limited access and oversight.



Impact

- Delayed incident detection
- Slower response times
- Reduced operational visibility



Solution

Rapid deployment CCTV and remote live monitoring that can be accessed by any authorised personnel from their phone or laptop.

2. Unattended Out-of-Hours Sites



Challenge

Many schemes remain in place overnight, during weekends and throughout holiday periods.



Impact

- Equipment theft
- Vandalism
- Unauthorised access
- Damaged traffic management layouts



Solution

High-quality asset protection solutions, including 24/7 surveillance, remote video monitoring with live alerts and full incident reporting, even for near-misses.

3. Compliance and Site Auditing



Challenge

Regular site inspections can be time-consuming and resource-intensive.



Impact

- Difficulty verifying traffic management layouts
- Limited evidence for audits
- Increased compliance risk



Solution

Cloud-based solutions that enable live surveillance and consolidate incident and environmental reporting into one dashboard to provide a clear audit trail.

4. Driver Behaviour Through Work Zones



Challenge

Unsafe driving behaviour can place workers and road users at risk.



Impact

- Speeding through works areas
- Worker and pedestrian injuries
- Increased collision risk



Solution

Centralised ANPR technology, trend tracking and incident reporting through cloud-based CCTV systems.

5. Weather and Changing Site Conditions



Challenge

Flooding, fog, snow and high winds can rapidly affect road conditions and site safety.



Impact

- Increased hazards
- Delayed responses
- Reduced visibility for road users



Solution

Environmental monitoring sensors and real-time CCTV oversight.

