

What About Work Vehicle Lights?

Follow requirements for vehicles and equipment. Work vehicles, equipment:



- Must have conventional headlights.
- Should have warning lights — strobes, rotating, or flashing.

Best practices:

- Use temporary work lights — headlights not for illuminating work.
- Check all lights at start of each shift.

All non-working lights must be replaced before use of vehicle or equipment.

What Other Lights Can Be Used?

Equipment-mounted and balloon lights are supplementals. Features:

- Good supplement to fixed lights.
- Reduce shadows, glare for operator.
- Better mobility for equipment.
- Require secure mounting.
- Aim to minimize glare.
- Provide forward, rear illumination.
- Beware of overhead line clearance.



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Night Work Temporary Lighting

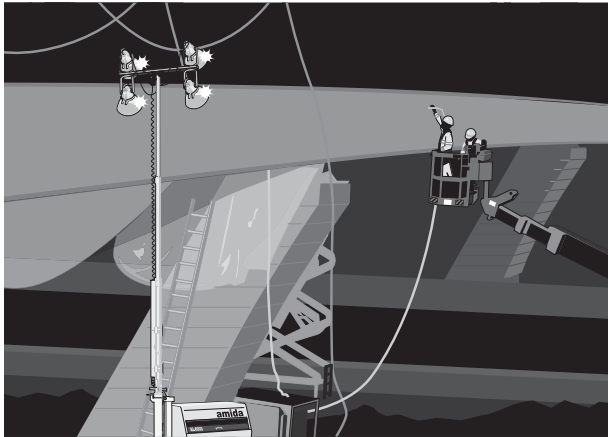


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What Is the Goal of Temporary Lighting?

Temporary lighting should achieve basic goals:

- Proper illumination of the work space.
- Control glare to avoid blinding motorists and workers.
- Minimize shadows.
- Increase safety.
- Increase productivity.
- Improve work quality.



Follow minimum recommendations:

- Project lighting plan details adequate illumination, control of glare and shadows.
- Competent person* oversees installation, adjustment of lights.

** Competent person means "one who is capable of identifying existing and predictable hazards in the surroundings or working conditions ... and who has authorization to take prompt corrective measures to eliminate them."*

- Stay in lighted areas — avoid dark areas.
- When setting up light towers, avoid overhead power lines.
- Report problems to your supervisor:
 - Excessive shadows.
 - Glare.
 - Unlighted work areas.
 - Missing or malfunctioning lights.



What Should Be Illuminated?

Lighting should achieve basic goals:

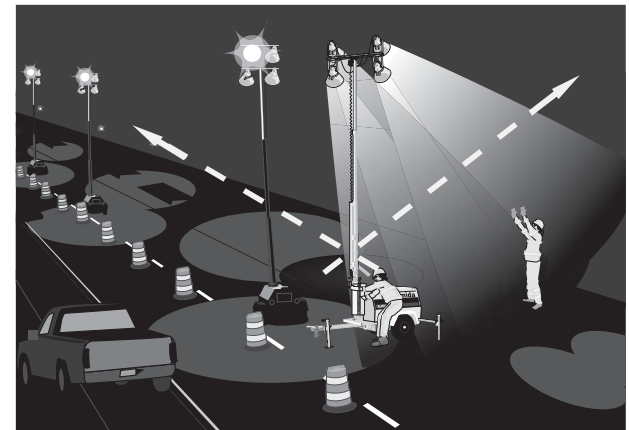
- Illuminate so workers see work area.
- Illuminate equipment for motorists, workers.
- Mounted lights should not shadow work space.
- Illuminate backhoes, buckets, other rotating equipment radii.
 - Illuminate safety circle around the equipment.



How Do We Control Glare?

Here are some basic guidelines:

- Mount light sources as *high* as practical.
- Direct light *downward* toward pavement.
- Aim light parallel or perpendicular to traffic but keep it *within the* work zone.
- Do not aim light sources at oncoming traffic.



A 'competent person' checks lights after every set up and adjusts it to ensure no glare from any likely viewing position.

The 'competent person' test drives work zone to make sure motorists are not blinded by glare.