



# Traffic Signal Maintenance Areas of Concern

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# Things to hate about traffic signal maintenance

## Bad drivers

- Poles knocked down: pedestal, span, and mastarm
- Span wires and tethers snagged by dump trucks
- Control cabinets hit

## Bad power

- Power service at end of service life
- Dominion/VA Power voltage spikes/drops

## Bad weather

- Tether wires snapped by wind
- Signal heads twisted by wind
- Backplates broken

# Things to hate about traffic signal maintenance

## Bad pavement

Pot holes break loops

Freeze/thaw cracks pavement which breaks loops

Water infiltration detunes loops

Junction boxes cracked/broken

## Bad contractors

Poor loop splices

Mislabeled or mis-assigned loops in cabinets

Dug up conduits (no request to mark VDOT lines)

Loose bolts (bases and arms)

## Bad critters

Snakes, spiders, ants, wasps, and mice in cabinets

Mice, rats, and squirrels chew cables

## Things to hate about traffic signal maintenance

### Old equipment

Signal heads

Push buttons

Wiring

Cracked Astro brackets

Failed LEDs (some are a decade old)

Rusty cabinets and risers