



FACE IT: Report Visual Extension



City Electric Maintenance Worker Electrocuted While Installing Lines for Security Cameras – Ohio (FACE 2019-01)



Freightliner M2 Aerial Lift Boom Truck
(Photo courtesy of the City)



SUMMARY

- A 48-year-old city electric maintenance worker was electrocuted, while installing lines for security cameras along a residential area cul-de-sac
- The electric maintenance worker got in the basket and raised it to begin pulling some triplex service wire and installing it on the security pole

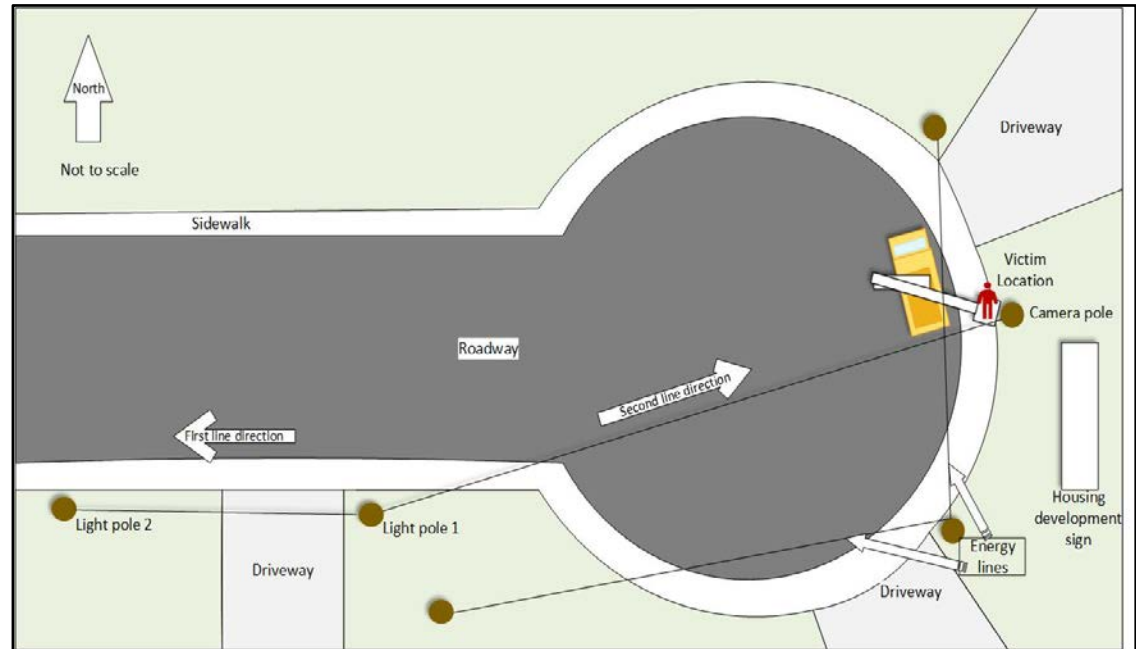


Position of bucket truck in cul-de-sac at the time of the incident. (Photo courtesy of the City)



SUMMARY

- It is believed the worker did not realize his proximity to the power lines while performing this task and contacted his right shoulder with the energized power line



Drawing of incident location.



CONTRIBUTING FACTORS

- Proximity to energized power lines
- Placement of bucket truck and pole
- Lack of lone/remote worker assignment safety assessment
- Lack of hazard identification and situational awareness
- Non-typical job task
- Lack of safety standard operating procedures
- Lack of appropriate PPE
- Lack of training



RECOMMENDATIONS

- **Employers should:**
 - Determine appropriate safety distances while working near electrical power line hazards
 - Develop, implement, and train on hazards, safety, and communication plans for lone workers



Lighting poles along street

(Photo courtesy of the Public Employment Risk Reduction Program)



RECOMMENDATIONS (Continued)

- **Employers should:**
 - Provide competent and qualified person training to enable workers in high-risk occupations to assess routine and non-routine job tasks for job site hazards to determine appropriate safety precautions and PPE



New camera pole at end of cul-de-sac
(Photo courtesy of the Public Employment Risk Reduction Program)



RECOMMENDATIONS (Continued)

- **Employers should:**
 - Implement pre-work hazard identification with corrective action/peer-check, self-check and daily safety talks that address hazard recognition and avoidance of unsafe conditions
 - Develop periodic and regular testing, inspection and maintenance of elevated work platforms
 - Train and evaluate employees on the selection, inspection, and safe operation of elevated bucket trucks
 - Identify and establish safe work practices such as lockout/tagout (LOTO) procedures



City Electric Maintenance Worker Electrocuted While Installing Lines for Security Cameras – Ohio (FACE 2019-01)



NIOSH • 1000 Frederick Lane, Morgantown, WV 26508 • 304-285-5916

INCIDENT HIGHLIGHTS

DATE:
June 17, 2019

TIME:
1:28 p.m.

VICTIM:
48-year old electric
maintenance worker

INDUSTRY/NAICS CODE:
Services/81

EMPLOYER:
City

SAFETY & TRAINING:
Comprehensive safety
training program

SCENE:
Residential street

LOCATION:
Ohio

EVENT TYPE:
Electrocution



REPORT#: 2019-01 **REPORT DATE: July 29, 2021**

City Electric Maintenance Worker Electrocuted While Installing Lines for Security Cameras – Ohio

SUMMARY

On June 17, 2019, a 48-year-old city electric maintenance worker was electrocuted while installing lines for security cameras. The electric maintenance worker arrived at the work site and was instructed to run approximately 2,000 feet of triplex service wire for police surveillance cameras on the light poles along a residential street. [READ THE FULL REPORT > page 3](#)

CONTRIBUTING FACTORS

Key contributing factors identified in this investigation include:

- Proximity to energized power lines
- Placement of elevated bucket truck and pole
- Lack of lone/remote worker assignment safety assessment
- Lack of hazard identification and situational awareness
- [LEARN MORE > page 9](#)

RECOMMENDATIONS

NIOSH investigators concluded that, to help prevent similar occurrences, employers should:

- Determine appropriate safety distances while working near electrical hazards prior to assigning work
- Develop, implement, and train on hazards, safety, and communication plans for lone workers
- Provide competent and qualified person training to enable workers in high risk occupations to assess routine and non-routine job tasks.... [LEARN MORE > page 10](#)

FACE IT: 2019-01 REPORT VISUAL EXTENSION

<https://www.cdc.gov/niosh/face/pdfs/full201901V.pdf>

www.cdc.gov/niosh/face



[Download the full report: https://www.cdc.gov/niosh/face/pdfs/full201901.pdf](https://www.cdc.gov/niosh/face/pdfs/full201901.pdf)



CONTACT US

Fatality Assessment and Control Evaluation
Surveillance and Field Investigations Branch

Division of Safety Research, NIOSH

1000 Frederick Lane, M/S 1808

Morgantown, West Virginia 26505-2888

[FACE Web Site: www.cdc.gov/niosh/face/](http://www.cdc.gov/niosh/face/)

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