

6200401 GROUNDING AND LIGHTING PROTECTION
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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No Name

Comments: (Industry,5-25-18)

"Ground resistance testing is not required for roadway lighting installations." Is the intent to not test and assume the contractor constructed the lighting correctly?

Response:

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Comments: (Industry, 5-31-18)

The Fall potential is not used for traffic signals. Per National Electrical Code requirements the electrical disconnect is located next, approx. 15 feet, to the controller and the electrical disconnect and the controller cabinet have 40 feet min. ground rods for each equipment, more than enough grounding. All Ground rods are provided in pullboxes per FDOT standards so you can check required separation distances per National Electrical Code. They are all exothermically welded above ground inside the pullbox. All ground conductors are inside the conduit, no soil exposed. The voltage drop is not a issue here cause the power source is close to the traffic signal and is verified in the plans. In District 6 we check the ohms on the ground rod at the pullbox. I would recommend adding signalization as well to the lighting to exclude this Fall Potential Test for lighting and signalization.

Response:
