

Lighting Upgrade Proposal and Schematics Spring 2017, AGED 480

In a survey of 60 University students, many noted that there could be improvement to the lighting on south end of campus. We focused our efforts there and identified two possible upgrades. One, located to the west of the National Soybean Laboratory and one located just west of Illini Grove. There are popular night routes for students, as they connect the ACES Library to several residence halls and private certified houses. The latter connects Lincoln Avenue Residence Hall to Pennsylvania Avenue Residence Hall's late night dining hall.

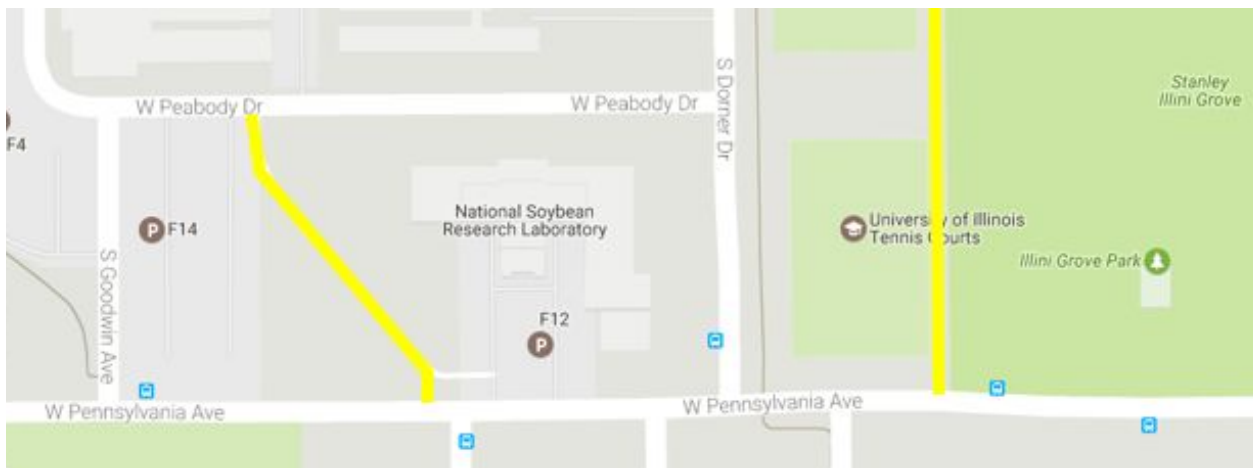


Figure 1. Suggested Lighting Improvement Locations

Improvement 1. West of Illini Grove

Current Status: A single light illuminates the path, between the 2nd and third tennis courts. Additional backlight from lamps in Illini Grove provide lighting. When the foliage grows in during the spring, the ambient lighting will be blocked by the overhead trees.

Proposal: Two to three additional lamp posts between Pennsylvania Avenue between and the second set of tennis courts adjacent to Peabody Drive.



Figure 2. Current State

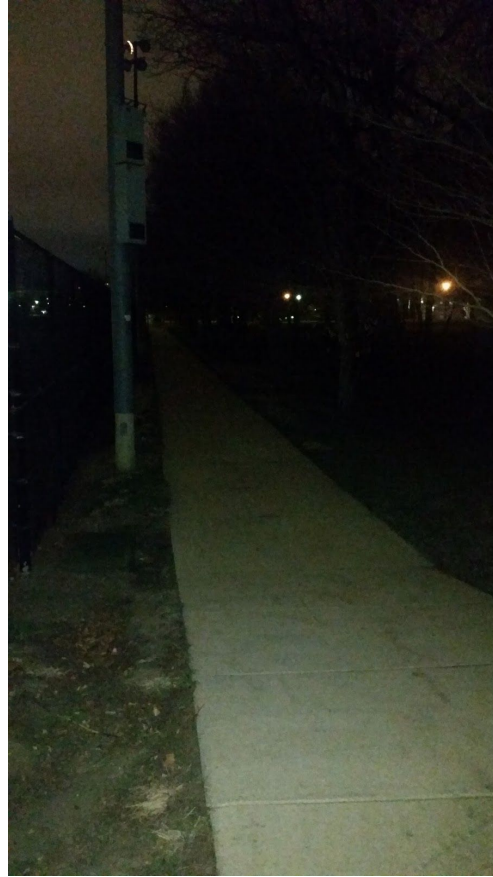


Figure 3. View from Pennsylvania Avenue

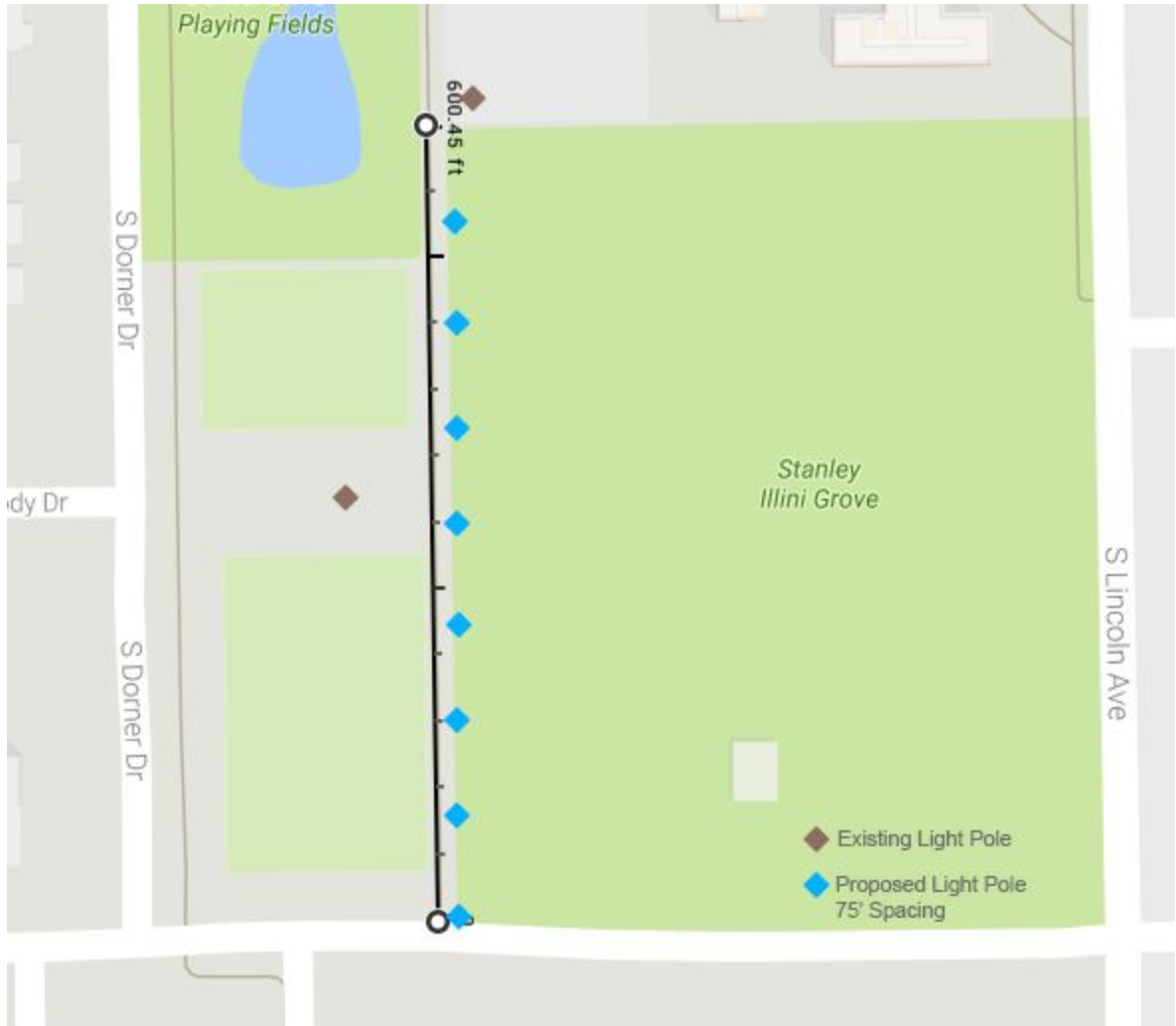


Figure 4. Proposed Upgrade

Improvement 2. West of National Soybean Laboratory

Current Status: A single light illuminates the path, as well as backlight from the greenhouses. A similar path near the Grainger Engineering Library is lit with several lamps. While on our second walk through the area we saw several runners avoid the path all together and run through the adjacent well lit parking lot.

Proposal: One to four additional lampposts spaced at 75 feet.



**Figure 5. Current State
Pennsylvania**



**Figure 6. View from
Pennsylvania**



Figure 7. Similar, well lit path near the corner of Wright and Springfield.



Figure 8. Proposed Upgrade