

Bottom line is that red and green lights are prohibited across the bridge. Lights are not allowed to direct out from the bridge down either length of the tracks. Permanently affixed, dim lighting directed downward onto the walkway of the bridge is recommended. (Dawn's email July 18, 2022 to Andy McGaire, Chris Cummins, and Jeff Hulsmann)

Enclosed are the guidelines provide by the railway to consider permanent power and a lighting plan across the pedestrian bridge. (Dawn's email July 18, 2022 to Andy McGuire, Chris Cummins, and Jeff Hulsmann)

Again, the goal is to collaborate on this plan as best possible to draft a plan to submit to the railway for approval before it is too dark at the bridge (by start of Sept). (Dawn's email July 18, 2022 to Andy McGuire, Chris Cummins, and Jeff Hulsmann)

7.7. Lighting "Guidelines for RR Grade Separation Projects, May 2016". Union Pacific RR and BNSF Railway, Bridge Standards

Adequate lighting shall be provided per AASHTO Roadway Lighting Design Guide requirements. Dark, confined, and isolated Trail crossings hidden from public view may attract illegal activities. Line of sight is extremely important when visibility is a matter of safety and security. The lighting design shall account for the impact on train operations. Lighting shall provide visibility for the Trail without directing light toward the train traffic.

Possible lighting plan: Revised 8-22-2022; revised 9-8-2022

Run electrical line in conduit from the nearest electrical source (probably one of the poles at the west end of the bridge path in the parking lot) to the NW corner of the Pedestrian bridge, buried the appropriate coded depth along the north edge of the bridge path.

1. Along the base of the bridge structure above the cement "floor" connecting low wattage, exterior lights facing sideways across the floor that mount on the base of each, or every other, vertical beam, or on top of the beam that runs the length of the bridge and doesn't present a tripping hazard by doing so. Depending on the light coverage this could be done on both sides or just the north side. If on both sides we would need to core under the sidewalk at the bridge's entrance to run the conduit and line.
2. Another option is to run hardwired rope lights that don't project outwards from the bridge, low wattage, along the underside of the handrails on one or both sides. At the base of the NW most vertical beam run the conduit up

to a height that meets code and install an outlet, most likely GFI, for the restaurant group to be able to string holiday lights over the bridge entrance which is on Town property, additionally the conduit would service

3. A third option would be to run the downward facing lights from the "ceiling" of the bridge structure.
4. Additionally we would connect, hardwiring, the line in conduit to a timer that would be set to light at sunset and turn off at sunrise, or for a specific number of hours after sunset.
5. Additionally the lines in either #1 , #2 and #3 would be connected to an outlet at both ends of the bridge allowing low wattage strand of lights that run around the bridge opening, such as LED Holiday lights. The bridge entrances on both ends are on Town of Palmer Lake property so multi-colored lights would be allowed.
6. All lights on the bridge and inside the RR ROW would only be low wattage white.
7. The actual boundary lines between the RR Right of Way and Palmer Lake property's has been checked against the GOCO Grant, Rockin The Rails Pedestrian Bridge design approved by the railroad, and the Railroad Right of Way and Town of Palmer Lake property has been verified in the design's drawing. Colored lights can be mounted at the bridges' East and West entrances as they are in Palmer Lake property, well away from the RR ROW.
8. All the conduit, depth of conduit, electrical wires, connections/GFI, and bulbs would follow the guidelines provided by the RR and /or specified in 7.7 above, and by local electrical codes.
9. Submit applications online by going to <https://bnsf.railpermitting.com> and complete the application process and pay the application fee.