


**ORDER: AUTHORIZE INSTALLING LIGHTING ON ROUNDABOUT AT
COUNTY ROAD 102 AND PAT PATERSON PARKWAY AND THAT
FUTURE REQUESTS FOR LIGHTING IN INTERSECTIONS MUST
BE ON ROADS THAT HAVE 40 MILE PER HOUR OR HIGHER
SPEED LIMIT AND SUBJECT TO REVIEW BY
THE COUNTY ENGINEER**

Motion was made by David Rikard, duly seconded by Chad McLarty, to authorize installing lighting on roundabout at CR 102 and Pat Paterson Parkway and that future requests for lighting on intersections must be on roads that have 40 mph or higher speed limit and subject to review by county engineer.

The vote on the motion was as follows:

Supervisor Brent Larson, voted yes
Supervisor Larry Gillespie, voted yes
Supervisor David Rikard, voted yes
Supervisor Chad McLarty, voted yes
Supervisor Mike Roberts, voted yes

After the vote, President Roberts, declared the motion carried, this the 2nd day of March, 2020.



Mike Roberts, President
Board of Supervisors



Sherry Wall, Chancery Clerk



Lafayette County Development Services
Planning, Zoning & Building Inspection

Date: 02/28/2020
RE: Request for Street Lighting
Location Roundabout @ CR 102 & Pat Patterson Parkway

This is in response to the request for street lights to be installed at the roundabout intersection located at CR 102 & Pat Patterson Parkway.

Based on site visits and available professional documentation, Illumination of this intersection may be necessary due to the following reasons:

1. It provides visibility from a distance for users approaching the roundabout; and
2. It provides visibility of the key conflict areas to improve users' perception of the layout and visibility of other users within the roundabout.
3. Provide visibility for pedestrian traffic within and adjacent to the roundabout.

For a roundabout to operate correctly, a driver must be able to enter the roundabout, move through, and exist the traffic stream in a safe and efficient manner. To accomplish this, a driver must be able to perceive the general layout and operation of the intersection in the time to make the appropriate decisions and maneuvers. Another important lighting consideration at roundabouts is that the roundabout introduces geometry and channelization that a driver may not expect unless it is visible at all times. In addition, the effectiveness of headlights is limited in a roundabout due to the curves of the roadway. A roadway lighting system can be very important for nighttime visibility of obstructions and hazards that may be in the travel lanes.

Source : *Report 672: Roundabouts: An Informational Guide – Second Edition, Chapter 8.*
Transportation Research Board and the National Cooperative Highway Research Program (NCHRP)

Thank you,

A handwritten signature in black ink, appearing to read "Erik Jones".

Erik Jones, P.E. – Staff Engineer
Email: ejones@lafayettecoms.com