



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: February 15, 2016

Re: Installation of streetlights on Whispering Pine Way, Providence Road and Derby Ridge Drive

Executive Summary

The staff Street Lighting Committee has received three requests for streetlights outside of Water and Light's service territory.

- 1) Installation of 1 post top luminaire near the end of Whispering Pine Way.
- 2) Installation of 16 streetlights along Providence Road north of Brown School.
- 3) Installation of 7 streetlights along Derby Ridge Drive north of Brown School Road

The staff Street Lighting Committee has reviewed these requests and recommends installing lighting as requested.

Discussion

A request for installing a single post top luminaire near the end of Whispering Pine Way has been received from the residents of the neighborhood nearby (see attached list of signatures). This area is along the east side of the Whispering Pine Way dead end. The Street Lighting Committee has reviewed this request and recommends installing a single post top luminaire as requested. The requested street light is located in the 3rd Ward and within Boone Electric Service Territory.

The lighting fixture is a 100 watt high pressure sodium decorative post top luminaires mounted on a black standard (Exhibit A) to match the existing lighting within the subdivision at the location shown in Exhibit B. Reoccurring costs would be \$11.18 per month per light or \$134.16 annually.

A request for installing streetlights along Providence Road north of Brown School Road has been received from the Forest Ridge Home Owners Association. Lighting is proposed to be installed along the west side of Providence Road at roughly 200 foot intervals. This would match the same style and spacing of lighting which is currently along Providence Road, south of Smiley Lane. The Street Lighting Committee has reviewed this request and because Providence Road in this area is a minor arterial roadway, recommends installing 16 streetlights. This request is located in the 2nd Ward and within Boone Electric Service Territory.

The 16 streetlights would be 250 watt High Pressure Sodium lamps with full cutoff, with mounting arms at 35 ft mounting heights (Exhibit C) at locations shown in Exhibit D. Reoccurring costs would be \$30.39 per month per light or \$5,834 annually.

A request for installing streetlights along Derby Ridge Drive north of Brown School Road has been received from residents of the Auburn Hills subdivision. Lighting is proposed to be



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701 East Broadway, Columbia, Missouri 65201

installed along the west side of Derby Ridge Drive at roughly 150 foot intervals. This would match the same style and spacing of lighting which is currently along Derby Ridge Drive, south of East Brown School Road. The Street Lighting Committee has reviewed this request and because Derby Ridge Drive in this area is a neighborhood collector, recommends installing 7 post top luminaires. This request is located in the 2nd Ward and within Boone Electric Service Territory.

The 7 lighting fixtures are 100 watt high pressure sodium decorative post top luminaires mounted on black standards (Exhibit E) to match the existing lighting within the subdivision at the location shown in Exhibit F. Reoccurring costs would be \$11.18 per month per light or \$939 annually.

Fiscal Impact

Short-Term Impact: Reoccurring costs of all three projects would be \$575 per month or \$6,907 annually.

Long-Term Impact: Reoccurring costs of all three projects would be \$575 per month or \$6,907 annually.

Vision & Strategic Plan Impact

Vision Impacts:

Primary Impact: Not Applicable, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

Strategic Plan:

Primary Impact: Infrastructure, Secondary Impact: Public Safety, Tertiary Impact: Not Applicable

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

Legislative History

Date	Action
N/A	N/A

Suggested Council Action

Staff recommends Council adopt a resolution for the installation of streetlights on Whispering Pine Way, Providence Road and Derby Ridge Drive as described above.