

Source: Water & Light

Agenda Item No: REP 12-13

To: **City Council**
From: **City Manager and Staff**

Council Meeting Date: Jan 21, 2013

Re: Street Light Request Report

EXECUTIVE SUMMARY:

The Public Infrastructure Lighting Committee was formed to address lighting requests from Citizens, City Departments, and Council. This Committee has prepared for Council consideration a report on the proposed installation of street lights at several locations. The locations for the proposed street light installations include: Louisville Drive from Whitefish Drive to Smith Drive, Dunbar Drive near the intersection of Forum Boulevard, along East Broadway from the Hinkson Creek bridge to Brickton Road, and on Jackson Street near the intersection of Madison Street. These lighting requests have been reviewed and approved by the Public Infrastructure Lighting Committee which is comprised of staff from Public Works, Water and Light, and the Office of Neighborhood Services.

DISCUSSION:

Louisville Drive: The street lighting plan proposed on Louisville Drive has been developed in response to a request received from the Hamlet Neighborhood Association to install street lights on an unlit section of the roadway from Whitefish Drive to Smith Drive. This section of roadway is adjacent to the Louisville Neighborhood Park and is used by pedestrians accessing the park. There are no sidewalks constructed along the undeveloped portions of Louisville Drive, forcing pedestrians to walk within the street which is hazardous during the evenings. Louisville Drive is identified as a neighborhood collector street and is required have continuous lighting installed as defined per 27-150 of the Code of Ordinances.

The lighting fixtures proposed for Louisville Drive are 250 watt high pressure sodium (HPS) full cutoff luminaires, or a viable LED equivalent, mounted on 35-foot galvanized mast arm standards at the locations shown in Exhibit A. The estimated cost for the installation of street lights and associated underground electrical work along this section of Louisville Drive is \$33,000.

Dunbar Drive: This lighting request originated from a homeowner on Dunbar Drive concerned that there were no street lights illuminating the portion of Dunbar Drive that is situated on the dam near the intersection of Forum Boulevard. This lighting was not included with the original lighting plan for the Highlands subdivision because it is Water and Light policy not to install utility infrastructure on, or within, earthen dams. Staff has worked with the concerned citizen and the Highland Neighborhood Association to determine locations where lighting can be installed without the necessity of constructing utility infrastructure on the dam. The adjacent property owners affected by this lighting plan, together with the Highlands Neighborhood Association, have reviewed this lighting plan and are in support of this project.

The lighting fixtures proposed are 100 watt high pressure sodium (HPS), or a viable LED equivalent, post top luminaires mounted on black standards to match existing lighting within the subdivision at the locations shown in Exhibit B. The estimated cost for the installation of these lights and associated underground electrical work is \$6000.

East Broadway: This street lighting project, identified as EL0134 in the Capital Improvement Program, was originally proposed to be included as part of the construction of the East Broadway widening project and the necessity of these improvements were approved by Council at a public hearing conducted on June 2, 2003. Bids were opened on October 13, 2004 for the East Broadway widening project, and the costs of street lighting portion of the project were tabulated at \$220,500, exceeding the \$140,000 budgeted for the project by approximately 58%. Because of the shortage of funds, it was decided at that time not to award the street lighting portion of the contract as part of the East Broadway improvement project and to construct the street

lights at a later date utilizing City crews. East Broadway is identified as a Major Arterial street and is required have continuous lighting installed as defined per 27-150 of the Code of Ordinances.

The lighting fixtures proposed for East Broadway are 250 watt high pressure sodium (HPS) full cutoff luminaires, or a viable LED equivalent, mounted on 35-foot galvanized mast arm standards at the locations shown in Exhibit C. The estimated cost for the construction of this proposed lighting plan is \$145,000 with the utilization of city crews.

Jackson Street: This street lighting project was identified at the request of the Columbia Police Department as means to deter crime along this section of Jackson Street. All adjacent residents have been informed of the plan to install an additional street light at the location depicted in Exhibit D. These residents all approve of the additional street light and have signed off on the work order directing the installation of this light. This street light will be a 100 watt high pressure sodium (HPS) full cutoff, or a viable LED equivalent, luminaire mast arm mounted to an existing pole. The costs for the installation of this light are estimated to be less than \$1,000. Jackson Street is identified as a Residential street and is required to have lighting installed at four hundred foot intervals as defined per 27-150 of the Code of Ordinances.

FISCAL IMPACT:

The estimated costs of the lighting plans discussed in this report are: \$33,000 for the installation lights on Louisville Drive, \$6,000 for the installation two new lights on Dunbar Drive, \$145,000 for the lighting proposed on East Broadway, and \$1,000 for the street lighting proposed on Jackson Street. Funding for the \$185,000 required for the construction of theses identified street lighting projects has already been appropriated in the Capital Improvement Plan projects EL0052 for street light additions, and EL0134 for installing street lights on East Broadway.

VISION IMPACT:

<http://www.gocolumbiamo.com/Council/Meetings/visionimpact.php>

None.

SUGGESTED COUNCIL ACTIONS:

Water and Light is currently seeking Council direction to move forward with the street lighting projects. After Council consideration, a recommendation should be made directing staff to proceed with any or all the projects considered.

FISCAL and VISION NOTES:					
City Fiscal Impact Enter all that apply		Program Impact		Mandates	
City's current net FY cost	\$0.00	New Program/ Agency?		Federal or State mandated?	
Amount of funds already appropriated	\$185,000.00	Duplicates/Expands an existing program?		Vision Implementation impact	
Amount of budget amendment needed	\$0.00	Fiscal Impact on any local political subdivision?		Enter all that apply: Refer to Web site	
Estimated 2 year net costs:		Resources Required		Vision Impact?	No
One Time	\$0.00	Requires add'l FTE Personnel?		Primary Vision, Strategy and/or Goal Item #	
Operating/ Ongoing	\$0.00	Requires add'l facilities?		Secondary Vision, Strategy and/or Goal Item #	
		Requires add'l capital equipment?		Fiscal year implementation Task #	

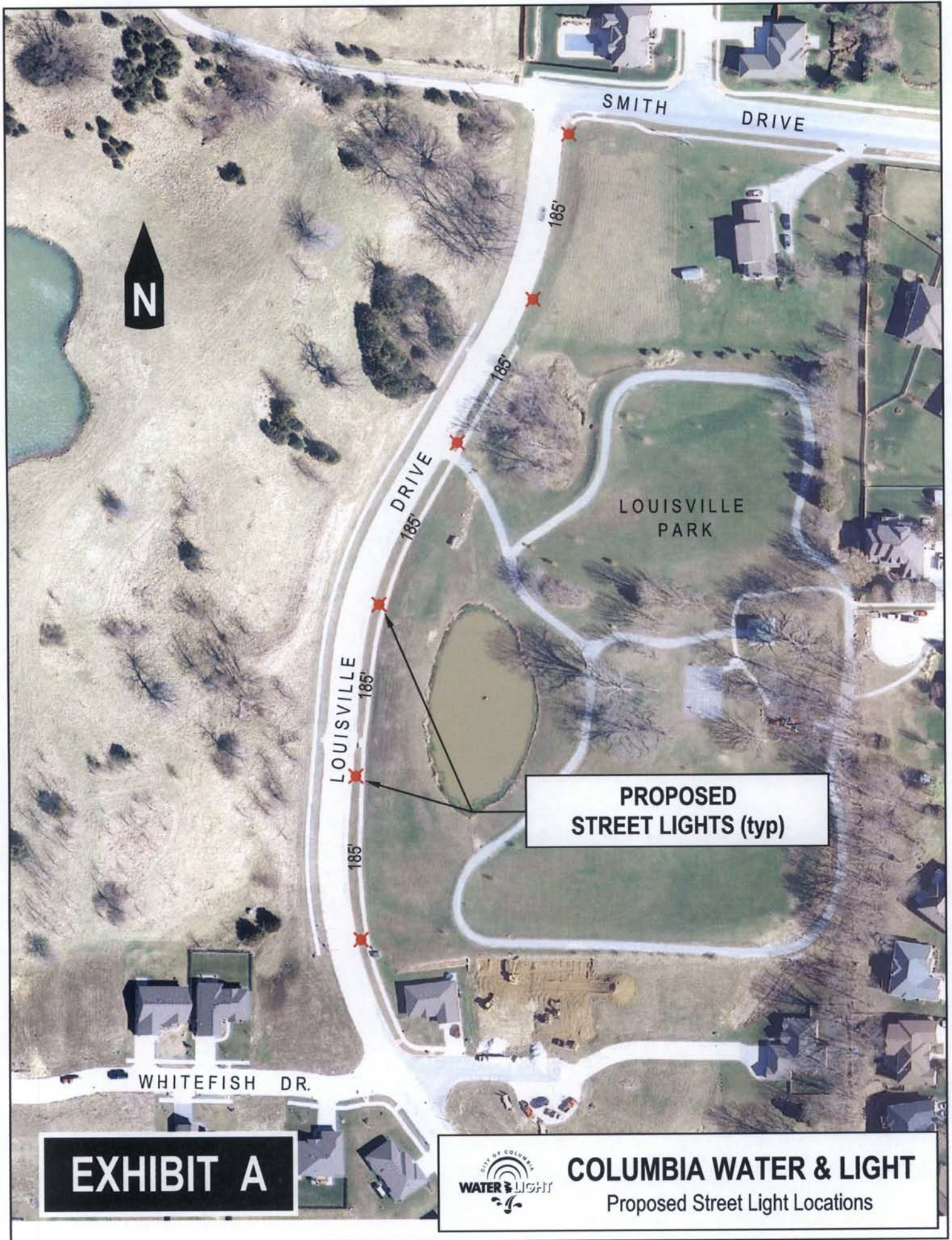


EXHIBIT A



DUNBAR
DRIVE

PROPOSED 100 WATT HPS
POST-TOP LUMINAIRES

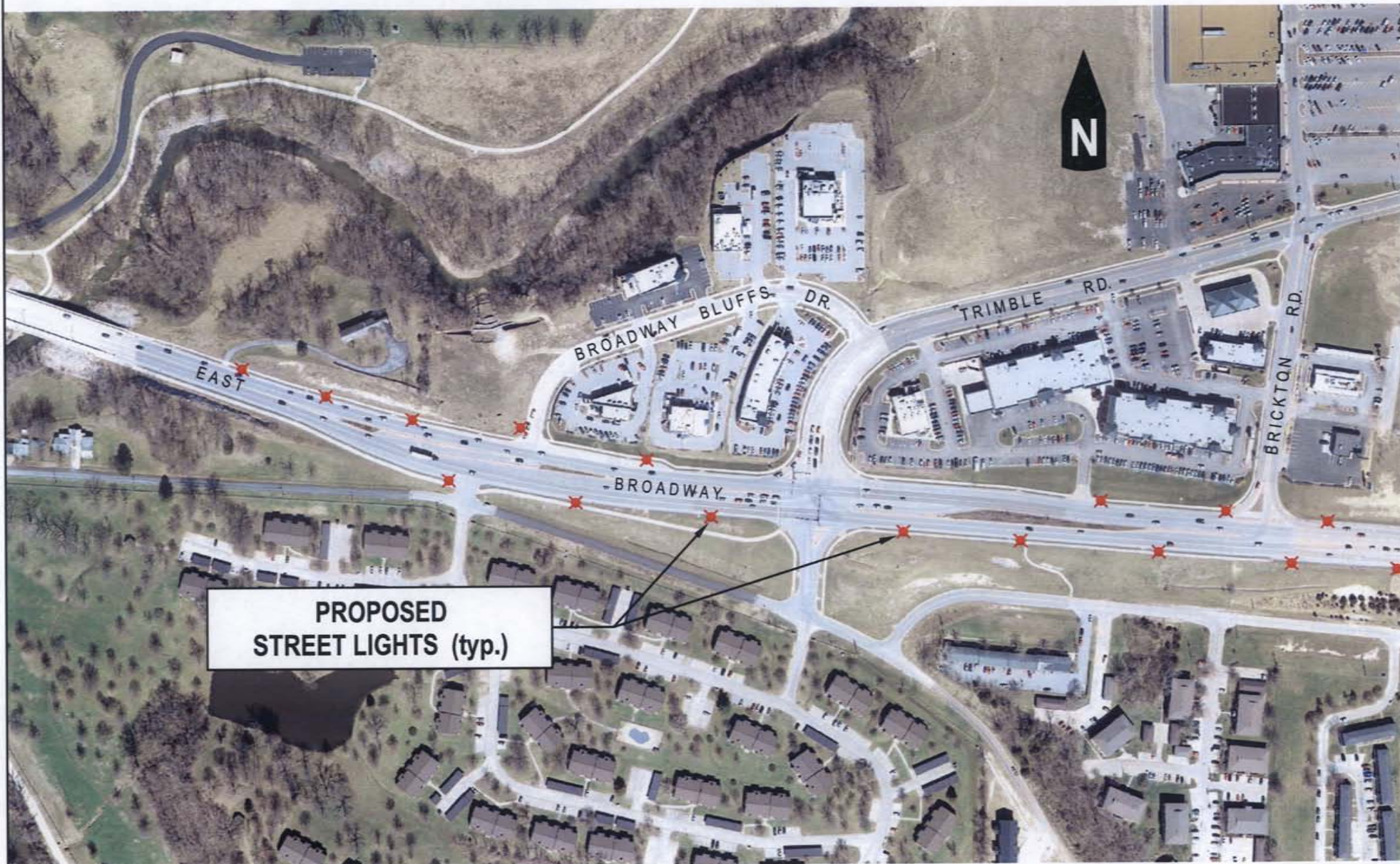
E. TAYSIDE CIR.

EXHIBIT B



COLUMBIA WATER & LIGHT

Proposed Street Light Locations



**PROPOSED
STREET LIGHTS (typ.)**

EXHIBIT C



COLUMBIA WATER & LIGHT
Proposed Street Light Locations



MADISON STREET

JACKSON STREET

PROPOSED 100 WATT HPS
STREET LIGHT

EXHIBIT D



COLUMBIA WATER & LIGHT
Proposed Street Light Locations