

## **Lighting Option Review**

### **Hamlin/Livernois Roundabout**

#### **Planning Commission Preferred Option (Option 2a)**

The Preferred option consists of the Site Link (fluted) Pole and the Mongoose head. The Site Link Pole allows the most flexibility for the City, the fluted design provides the ability to attach street, informational and directional signage directly to the pole. This flexibility will greatly reduce the need for additional “stand alone” signs within the roundabout area reducing clutter for the motorist and pedestrian. The Mongoose luminary or head is a standard type head that can be attached to the Site Link pole. Although slightly less efficient than the Tear Drop type fixture the Commission felt that the less decorative fixture is more in keeping with the City’s existing corridor lighting. The combination recommended only requires 18 poles and provides an acceptable amount of lighting to safely light the roundabout and surrounding pedestrian paths. The pole can also be used to display decorative or celebratory flags and banners.

#### **Option 1**

Option one proposed the Sight Link Pole with a more decorative Tear Drop luminary. The luminary is more efficient than the Mongoose however, it was the Commission opinion that the design of the head was too decorative in nature for both the location and circumstance. This option proposed 15 poles instead of 18, the lesser amount of poles is due to the better transfer of light to the ground by the lens.

#### **Option 2**

This option was included for comparison by the commission, it is designed the same as Option 2a, (the preferred option), only it uses 15 poles instead of 18. This was done to provide a direct comparison between the Tear Drop and Mongoose luminary types. This option without the additional poles does not provide a safe lighting level and could not be approved as part of the project.

#### **Option 3**

Option three consists of the standard Cobra Head luminary and pole. This pole is a more standard pole than the one considered with the other two options. The Commission did consider the availability and long history of this option to be a positive. This installation would require a total of 26 poles and eliminate the ability to attach directional and street signage to the poles. This option would eliminate the ability of the City to attach additional signage to the pole increasing the amount of sign pollution as a motorist or pedestrian enters the roundabout.

Please review the attached table for detailed information regarding the proposed options. The table includes number of poles, pole height, lights, and foot candles.