



**MEMO TO:** Planning and Public Works Committee of the Whole

**FROM:** Janet Thomas, Neighborhood Traffic Calming Coordinator

**DATE:** June 11, 2019

**SUBJECT:** LightPath Crosswalk Lighting – Informational Presentation

**I. PURPOSE** ☒ For Info Only ☐ Potential Agenda Item ☐ Scheduled for Council Action

**II. RECOMMENDATION**

None. This is informational only.

**III. DEPARTMENT CONTACTS**

Kristi Wilson, Interim Public Works Director	425-556-2529
Paul Cho, P.E., Traffic Operations Engineering Manager	425-556-2751
Janet Thomas, Neighborhood Traffic Calming Coordinator	425-556-2857

**IV. DESCRIPTION/BACKGROUND**

To address complaints and concerns regarding pedestrian visibility at night or early morning in unprotected crosswalks, staff began researching supplemental crosswalk lighting to improve pedestrian visibility during periods of darkness. We are requesting approval to move forward with a pilot project which will bridge the gap between standard streetlights and active devices such as Rectangular Rapid Flash Beacons (RRFB).

The crosswalk locations for the pilot projects are:

- NE 90<sup>th</sup> St at 161<sup>st</sup> Ave NE (the crosswalk just west of Coho Café)
- NE 104<sup>th</sup> St at 172<sup>nd</sup> Ave NE (near Redmond HS)
- NE 79<sup>th</sup> St at 169<sup>th</sup> Ave NE (Anderson Park)

**A. Analysis**

Process to Date:

Staff researched solutions from eight different lighting manufacturers:

1. Ragni Lighting
2. ERW Lighting
3. iGuzzini Lighting

4. Abel Lighting
5. PSE
6. Intrigue Lighting
7. Sea-Tac Lighting
8. Howard Industries

Howard Industries currently offers the best solution to on-demand supplemental illumination for pedestrian walkways and crosswalks. Their large devices (6') have been in use on business, educational and hospital campuses.

Following staff's request, Howard Industries created a smaller model; LightPath. It is a more appropriate size (4') for use at unprotected crosswalks in Redmond.

**Fiscal:**

Estimated Project Costs for three locations

Light Path Crosswalk Lights	\$ 50,000
Design	\$ 50,000
Construction/Installation	<u>\$ 180,000</u>
Total	\$ 280,000

Project Funding

Neighborhood Traffic Calming Program	\$ 280,000
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**V. TIME CONSTRAINTS**

Staff's goal is to procure, design, and install the LightPath units by October 2019, prior to daylight saving time.

**VI. LIST OF ATTACHMENTS**

Attachment A: LightPath PowerPoint