
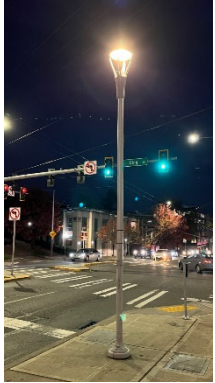



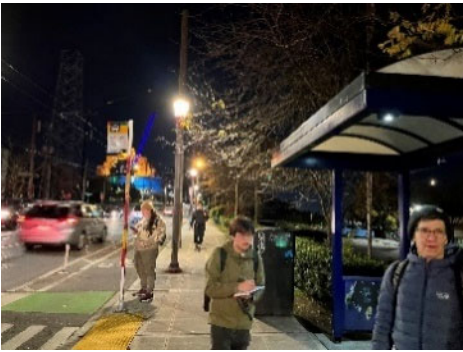
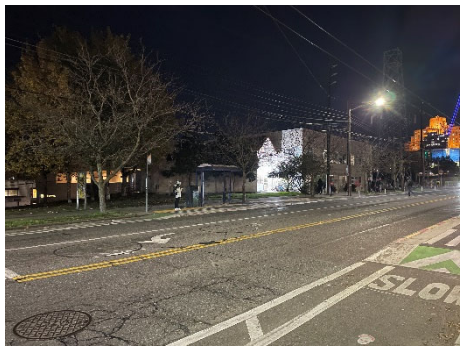
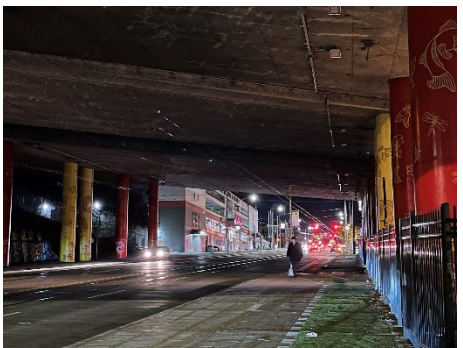
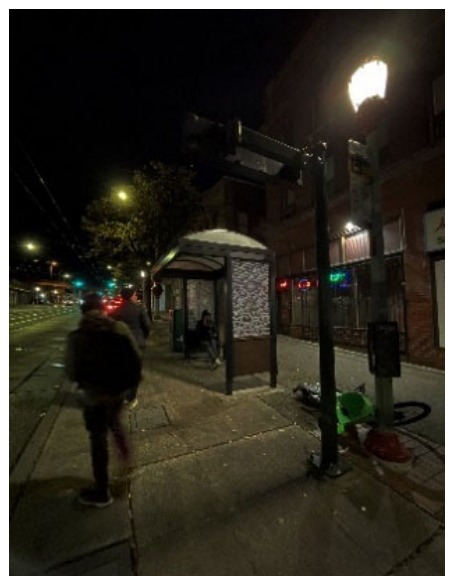
Site Walk Observations

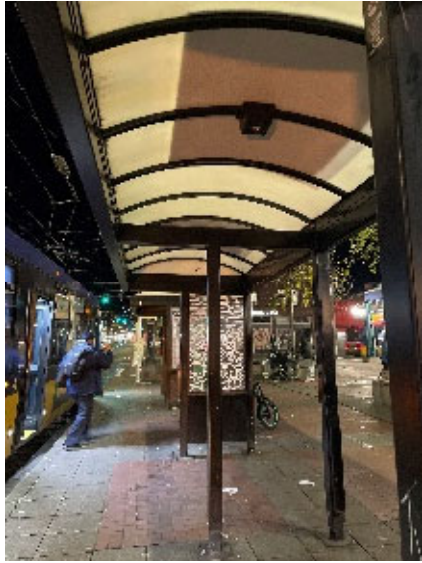
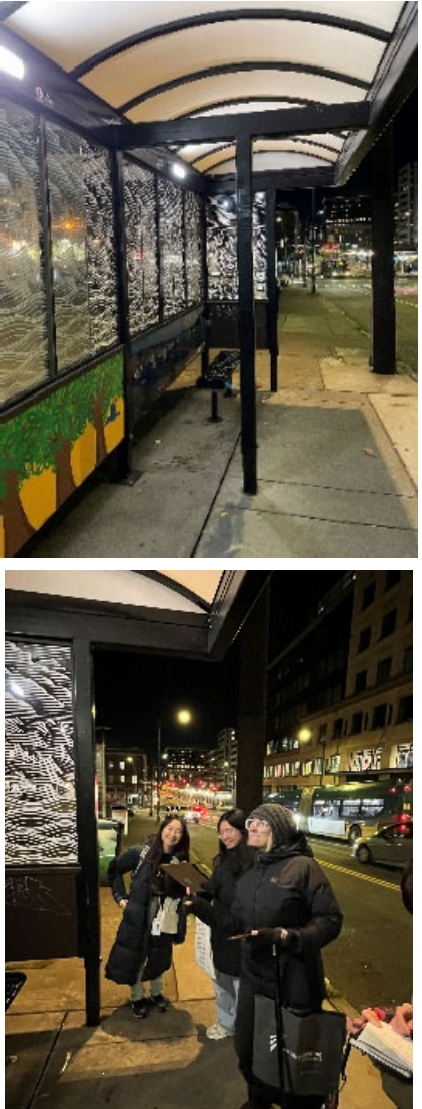
DATE: 11/16/2023
 PROJECT: CID Bus Stop and Storefront Lighting Assessment
 SPARKLAB PROJECT #: 23010
 NOTES BY: Quan Viet Nghiem

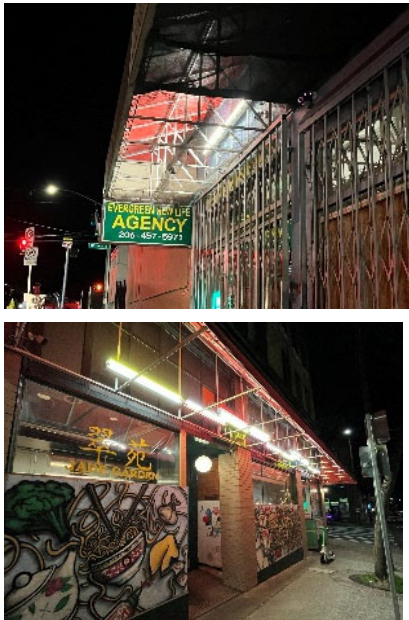


ATTENDEES: SCIDpda – Julie Yuan
 SPD – Monica Ly, Barbara Biondo
 CIDBIA – Natalie Hutson
 SparkLab – CJ, Susannah, Quan Viet Nghiem



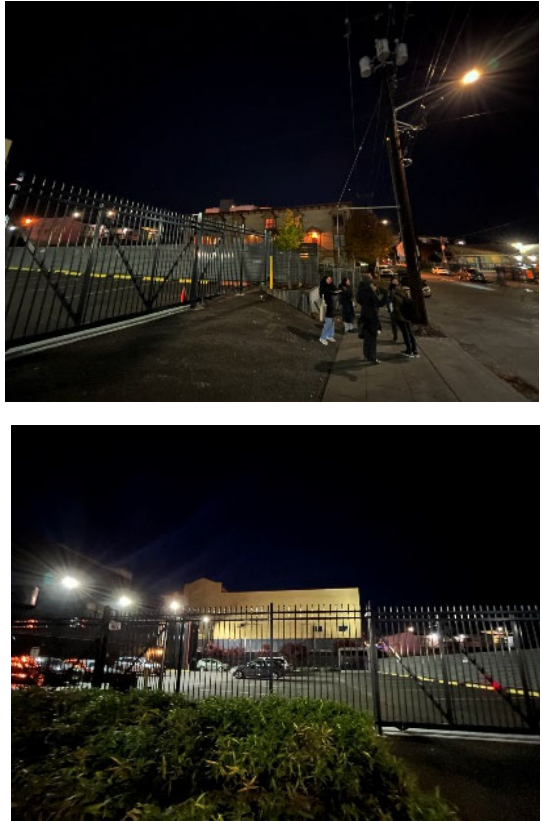
Note: Solar conditions during the day of the walk were clear and sunny and should have powered sufficient solar radiation for battery packs, thus optimum light output of solar light fixtures during our early evening walk.


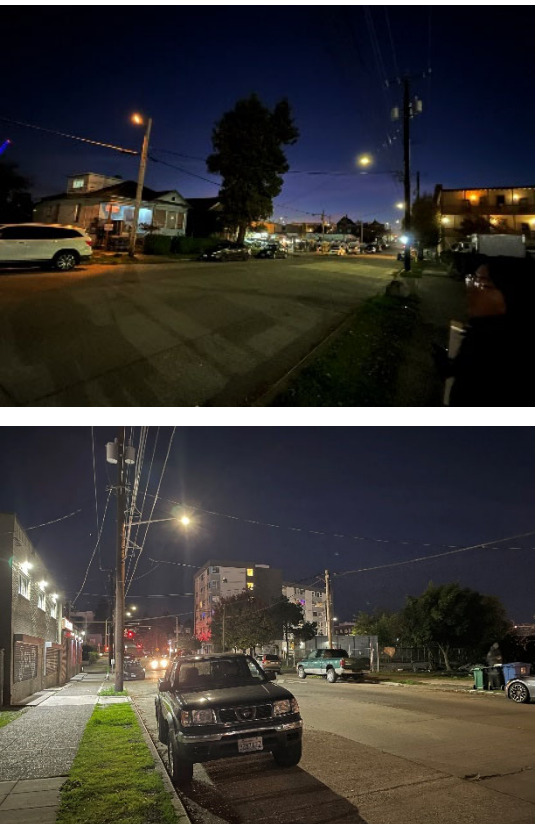
LOCATION	OBSERVATIONS	PHOTOS
1.0	Bus Shelters and Stops	
Rainier and King Bus Stop – West Side	<p>Bus shelter is lit by an adjacent streetlight, pedestrian scale pole. Internal solar downlight is not working.</p> <p>The sides and bench of bus stop have been removed to avoid creating a concealed area behind it. Faces are visible. Bus stop doesn't feel dark but does feel unpleasant due to loitering pedestrians.</p> <p>Light level at grade is 2.1 footcandles, CCT is 5700K.</p>	 
12 th and King Bus Stop – West Side	<p>Unsheltered bus stop is well illuminated by a nearby cobra head streetlight and a flood light intended for adjacent parking lot. There is a pole with no fixture on it here that may have had a fixture on it at some point. Faces are visible, but the location does not feel safe due to loitering pedestrians.</p>	





<p>12th and Weller Bus Stop – West Side</p>	<p>Bus stop and shelter is well lit from adjacent cobra head streetlight and King fixture. Shelter includes an integrated downlight. Generally, the stop feels pleasant.</p>	
<p>12th and Weller Bus Stop – East Side</p>	<p>Unlike the west side, the bus stop on the East side of the street and shelter is poorly lit. There are no nearby pedestrian pole fixtures and overgrown branches around the shelter block light from nearby cobra head fixtures. The shelter is also devoid of an integrated downlight.</p>	
<p>Under freeway, Jackson bus stop</p>	<p>The bus stop sign on Jackson is mounted on a pedestrian streetlight that is not working. Under the freeway, there are multiple flood lights which are supposed to provide light to the sidewalk. None of the light fixtures in the area are working. The light from the roadway fixtures outside of the freeway area slightly help to improve the light level.</p>	
<p>Jackson and Maynard Valley</p>	<p>This stop and shelter are near a King fixture which is also the main light source for it. The fixture is likely located too close to the bus shelter which casts a dark shadow over the shelter. The storefront around it is unlit. The light fixture inside the shelter is also not working. The location does not feel safe due to loitering pedestrians.</p>	




<p>Union Station 5th AVE</p>	<p>This stop and shelter are mainly lit by spill light from Union Station fixtures. The lighting is comfortable and enables clear facial recognition. The integrated downlight in the shelters are no longer working.</p>	
<p>5th AVE and Main St</p>	<p>This bus shelter is very well-lit. The shelter has wired integrated light fixtures which produce diffuse light that enables visual clarity and facial recognition. The light also creates a comfortable, safe, and warm atmosphere around the bus stop.</p> <p>Light level at grade is 2.8 footcandles, CCT is 3850K.</p>	


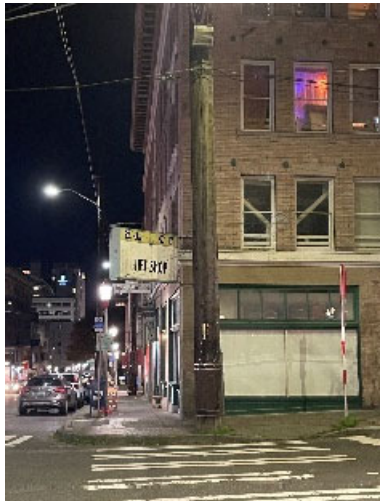
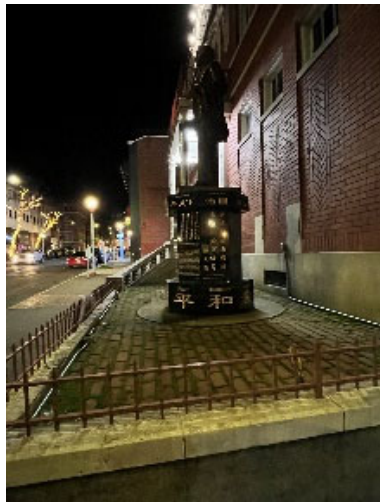
2.0	Storefronts and Streetlighting	
Evergreen New Life Agency & Jade Garden	<p>Canopy lighting from strip lights is a common lighting method in the district. Often wall-mounted, linear fixtures provide sufficient lighting for both signage lighting and facial recognition. They diffusely backlight signage canopies and provide downlight for the sidewalk, and often front-light for the building storefront.</p> <p>Overall, this method of lighting is multipurpose.</p>	
King ST Barclay Seafood and the store on the right	<p>Storefront lighting contributes to the pedestrian experience. For example, the BarClay Seafood store (left arrow) is unlit in contrast to the store next door (right arrow), which helps provide some lighting for the sidewalk. Roadway light contributes to both storefront areas.</p>	
Hau Hau Market	<p>Hau Hau market currently is light enough for facial recognition and wayfinding; however, the flood light could be replaced with a more comfortable and less glary product. They may be in the process of obtaining funding to cover the produce area with a more permanent solution, which would provide opportunity to mount lighting in a way that is more visually comfortable and located closer to the sidewalk.</p>	





<p>Thanh Son Tofu</p>	<p>Thanh Son tofu facility is very well-lit. There is sufficient parking lot lighting for facial recognition and wayfinding. The wall sconces are visually pleasing and not glary. Furthermore, leaving their interior light on also contributes to the perception of safety of the area.</p>	
<p>Lam Market</p>	<p>The Lam Market, an actively used area at night, is poorly lit. The parking area is harshly lit by a floodlight and roadway light spill. This retail destination has the potential to contribute to street presence in the surrounding area. In contrast, their receiving warehouse is highly lit by high-glare flood lights.</p>	
<p>Nisei Veterans Memorial Wall area</p>	<p>The area is high contrast. With the new park nearby improved lighting is expected. The building next to the memorial has high-glare fixtures.</p> <p>The Nisei Veterans memorial wall, an area with existing lighting that is not turned on (or no longer works) feels dark, potentially intentionally so. Wall-mounted floodlights on the nearby building contribute light to the area and create aggressive glare. Pole mounted lighting in the parking lot would be a more comfortable and welcoming solution.</p>	



<p>King ST School</p>	<p>The school, with wall mounted sconces, has excellent presence and provides suitable light levels in the parking lot and surrounding sidewalk.</p>	
<p>King Street Lighting</p>	<p>King Street is not uniformly lit. Sidewalk lighting varies greatly, with some areas brightly lit by fixtures mounted to buildings or pole lights, and other areas dark, sometimes shadowed by trees. Low light levels make it hard to identify an approaching person.</p> <p>Additional “King” fixtures would be beneficial along the entire street in either a staggered or even configuration.</p>	

King Street under Freeway	<p>All the floodlights under the freeway are not on. The area is dark and extremely difficult for vehicle and facial recognition.</p> <p>Lights mounted to the freeway are WSDOT purview, though perhaps maintained by SPL.</p>	
Ding How Center	<p>The center is lit from storefronts and roadway spill light. The area would benefit from additional lighting as well as having the “Ding How Center” sign lit.</p>	
Khang Hoa Duong Store	<p>The interior lighting of the store contributes very little light for the sidewalk due to the covered window. Barbara Biondo noted that the store could remove their window coverings to allow for views in and out. This would help light the sidewalk. Unlit signage would benefit from being turned on / fixing if not working.</p>	
12 th Ave and Weller	<p>The sidewalk of 12th Ave is not uniformly lit. The west side of the street has multiple king fixtures which are located very close together.</p> <p>The east side has very few light fixtures.</p>	

<p>Maynard Valley</p>	<p>The alley, overall, is decently lit. The light level is suitable for facial recognition and wayfinding. Some downlights in entry vestibules and wall lights over doors are not working.</p> <p>One of the up/down light wall sconces, that SparkLab (specified by SparkLab), has an uplight component that failed. The fixture is still under warranty and should be repaired or replaced.</p>	 
<p>Tai Tung Restaurant</p>	<p>The Tai Tung Restaurant entry fixtures provide good lighting for the street.</p> <p>The newly refurbished neon sign has one section that is not turned on / or has failed.</p>	
<p>Louisa Hotel</p>	<p>The Louisa Hotel's Boba place contributes greatly to the street lighting.</p> <p>The façade of the hotel is dark and could use some façade lighting or illumination of the large sign.</p>	

Hotel Milwaukee	This historic hotel signage would benefit from repair.	
A closed shop	The “Gift Shop” sign would benefit from repair.	
3.0	Feature Elements	
The Statue	Focused light fixtures for the statue should either be fixed or turned on.	

<p>Bulletin Board near Louisa Hotel</p>	<p>A potential neighborhood meeting point or identity-bringing destination, the ornate bulletin board awning would benefit from accent lighting.</p>	
<p>Union Station</p>	<p>Two globe lights on decorative columns are turned off or have failed.</p>	
<p>China Town Grand Gate</p>	<p>The light for the Chinatown gate is barely adequate. The gate would benefit from additional fixtures and improved / warmer color temperature, black (not white) fixtures.</p>	
<p>Noodle Bowl</p>	<p>The distinctive, historic noodle bowl neon would benefit from refurbishment.</p>	

<p>Little Saigon Feature</p>	<p>This feature sculpture/sign would benefit from a higher output source under the cap.</p> <p>Investigation of the fixture shows that there is lighting integrated into the cap behind diffuse lenses. Source is likely not current technology.</p>	 
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