

An aerial photograph of the Seattle Stadium District, showing the stadium complex, surrounding urban buildings, and a major highway interchange. The stadium roofs are highlighted in a semi-transparent blue color. The text 'MOBILE PARK' is visible on the stadium's facade.

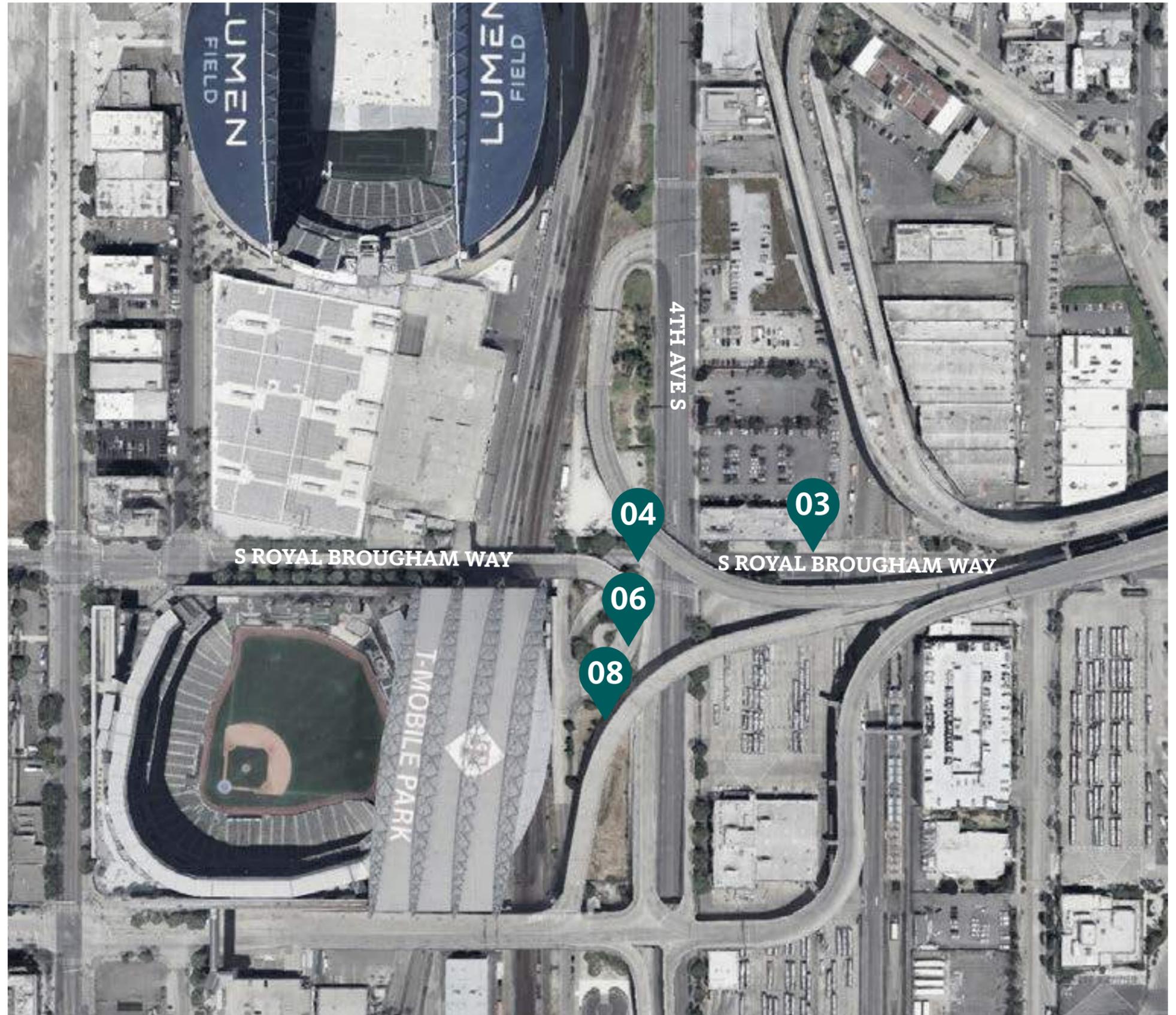
Seattle Stadium District

Pedestrian Improvement Project

Gensler
April 2025

Overview **Areas of Intervention**

- 03** Royal Brougham / KC Metro Parking
- 04** Snail Tunnel
- 06** Scooter & Bike Parking
- 08** Ride Share Lot Fence

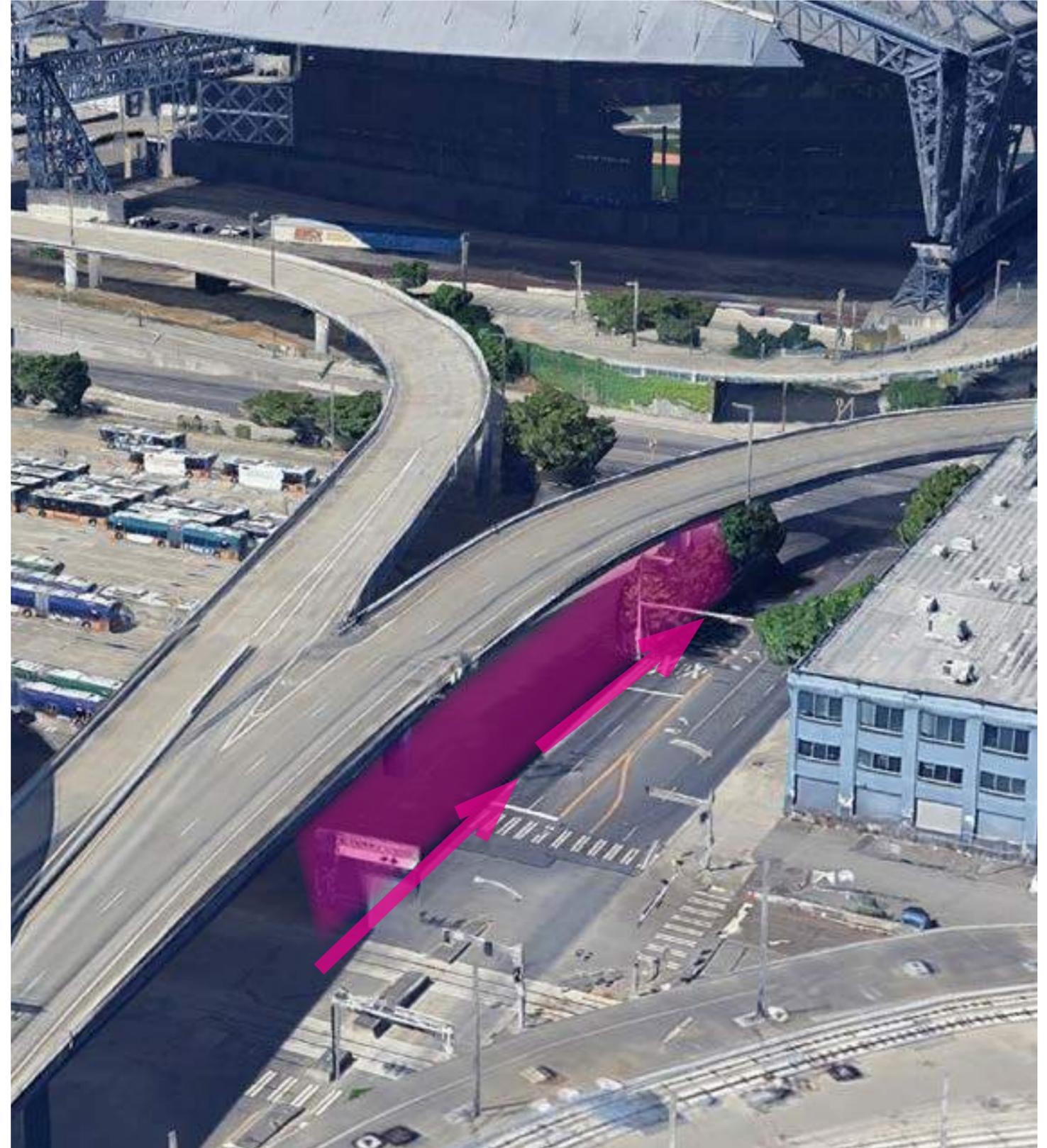
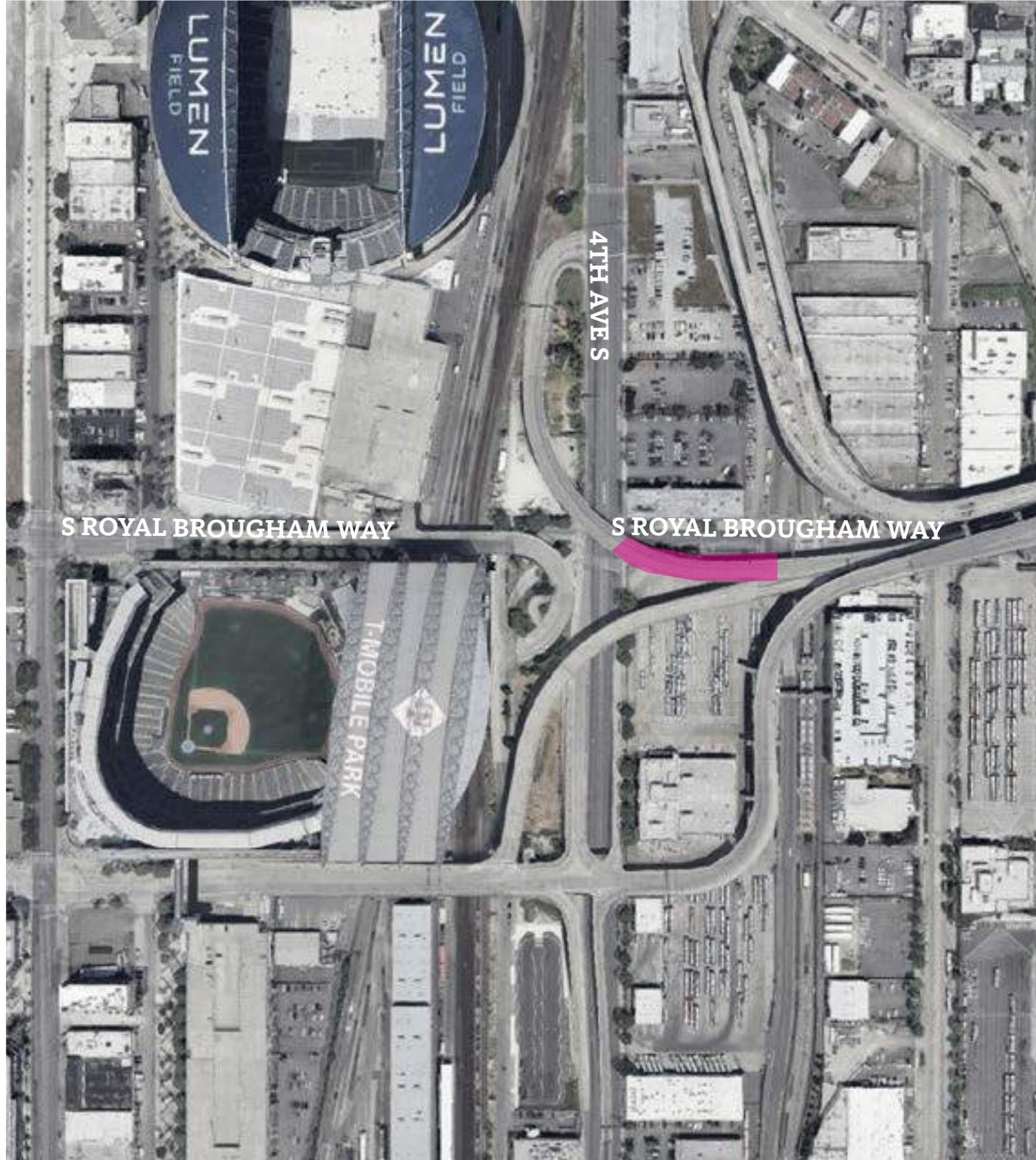


#03

Royal Brougham / King County Metro Parking Pedestrian Improvement Project

- Enhance pedestrian safety and aesthetics through
- Overhead LED lighting,
- Fencing,
- Landscaping,
- Sidewalk graphics improvements.

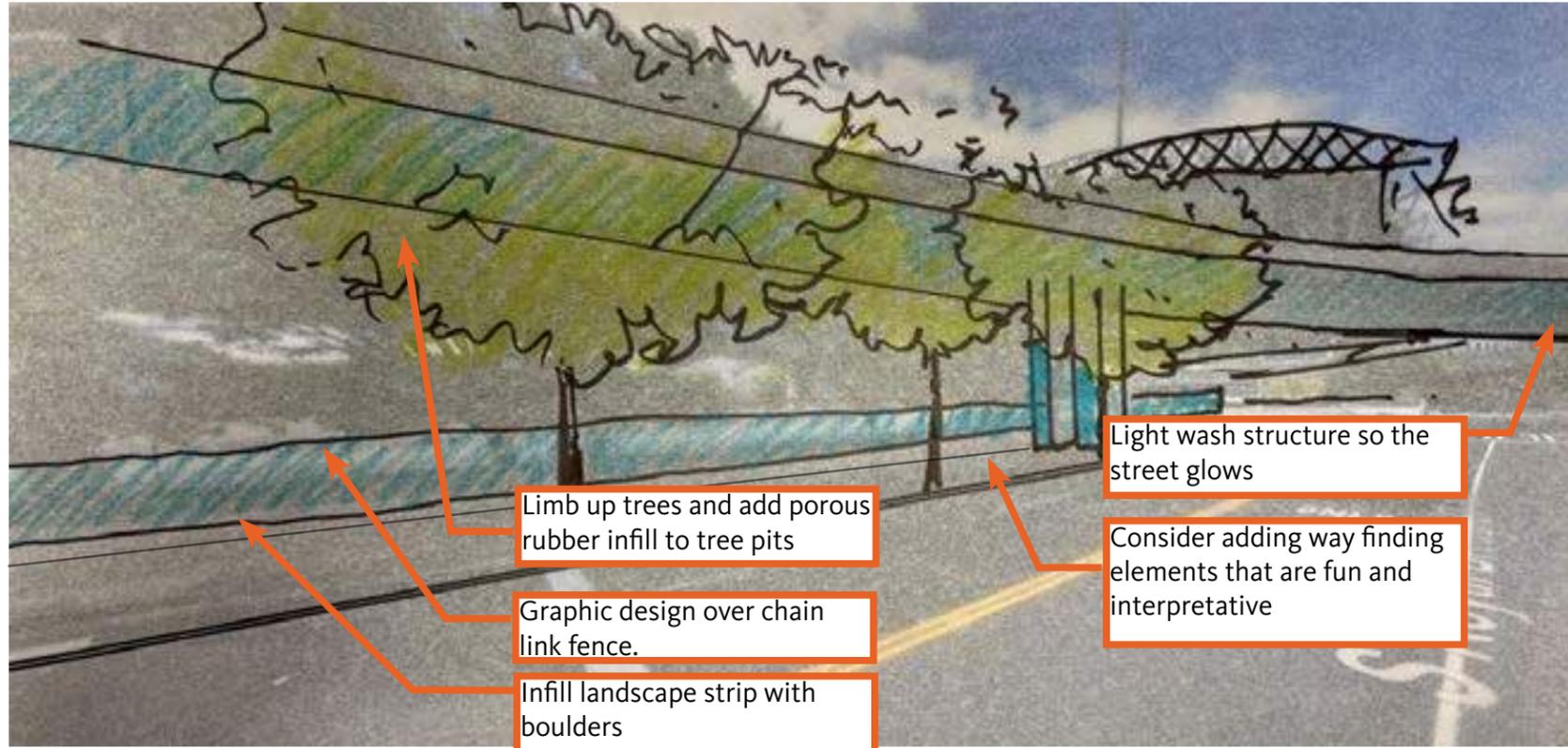
Royal Brougham/King County Metro Parking **Overview**



Royal Brougham/King County Metro Parking **Existing Conditions**



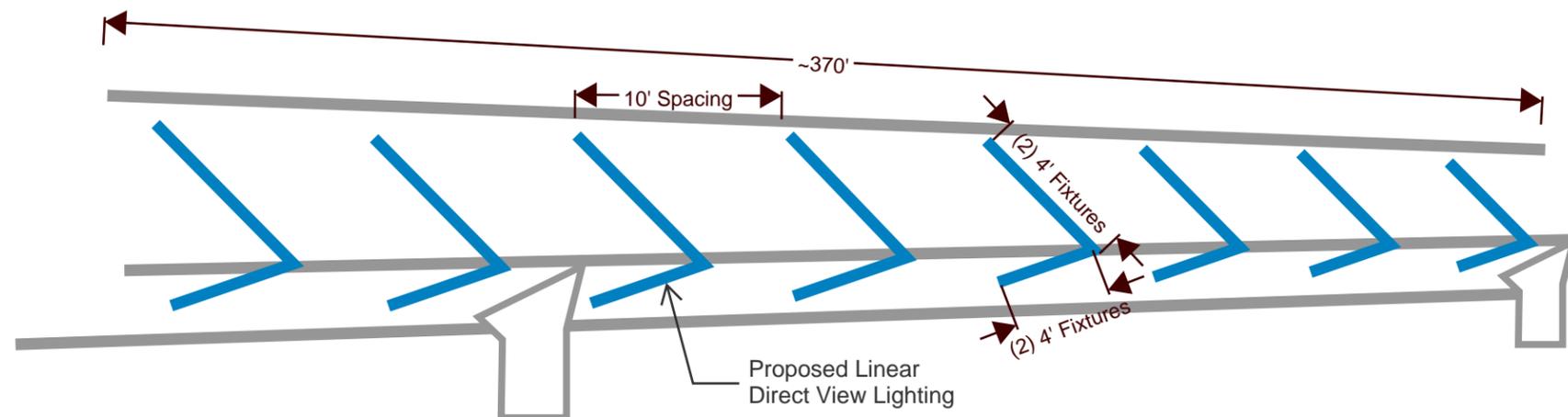
Royal Brougham/King County Metro Parking





Proposed Conduit Route

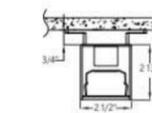
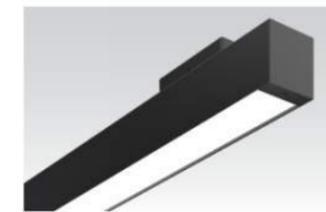
Conceptual Rendering - Night Time Scene



Conceptual Under Deck Lighting Layout

Extend 2

Surface mount



Project _____
Type _____
Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K, 80 CRI

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1000 lm/ft	9.8 W/ft	101 lm/W	SO
750 lm/ft	7.2 W/ft	103 lm/W	GZ
750 lm/ft	7.4 W/ft	101 lm/W	ASO
1000 lm/ft	9.7 W/ft	102 lm/W	BW
750 lm/ft	7.4 W/ft	101 lm/W	WW

*Please consult factory for custom lumen output and wattage.



Ordering Guide

PRODUCT ID	NOM. LUM/FT	CRI	COLOR TEMP. (choose one)	SHIELDING
EX2S	300	80	27 2700 K	SO spotless lens
Extend 2 Surface	750	90	30 3000 K	GZ Graze
			35 3500 K	WW Wallwash
			40 4000 K	ASO Asymmetric
			50 5000 K	BW Batwing

Options between listed min and max are available. *750 lm/ft max only for GZ, WW and ASD. Consult factory for outputs outside of the listed range. Choose only one of the options above.

LENGTH (FT)	FINISH	VOLTAGE	DRIVER	CIRCUITS
2 2'	AP aluminum paint	120 120 V	DP dimming (0-10V) 1%	1 1 circuit
3 3'	W white	277 277 V	DPK dimming (0-10V) 1%, extended temp. range (-40°C - +50°C)	2 2 circuits
4 4'	BLK black	347 347 V*	LT(®) Lutron*	+E(®) emergency circuit*
5 5'	C custom	UNV universal	BI bi-level dimming	+NL(®) night light circuit*
6 6'			O(®) other*	+GTD(®) generator transfer device**
7 7'				
8 8'				
12 12'				
S(U) System Run				

Lengths are nominal. Exact lengths can be specified, please consult factory. *Marked surge protection device only. **Please consult factory, see page 2. **Specify quantity. Minimum 18' fixture length. **120V and 277V only. Please specify.

Proposed Fixture Cut Sheet

Electrical Summary

Total Under Deck Linear Lighting Load
(37 Stripes - (4) 4' fixtures Each) = (148 4' fixtures) 5,803 Watts
Proposed Under Deck Lumens = ~592,000 Lumens at full brightness

Lighting Control

Photocell and or time clock in NEMA 3R cabinet to control lighting contractors.

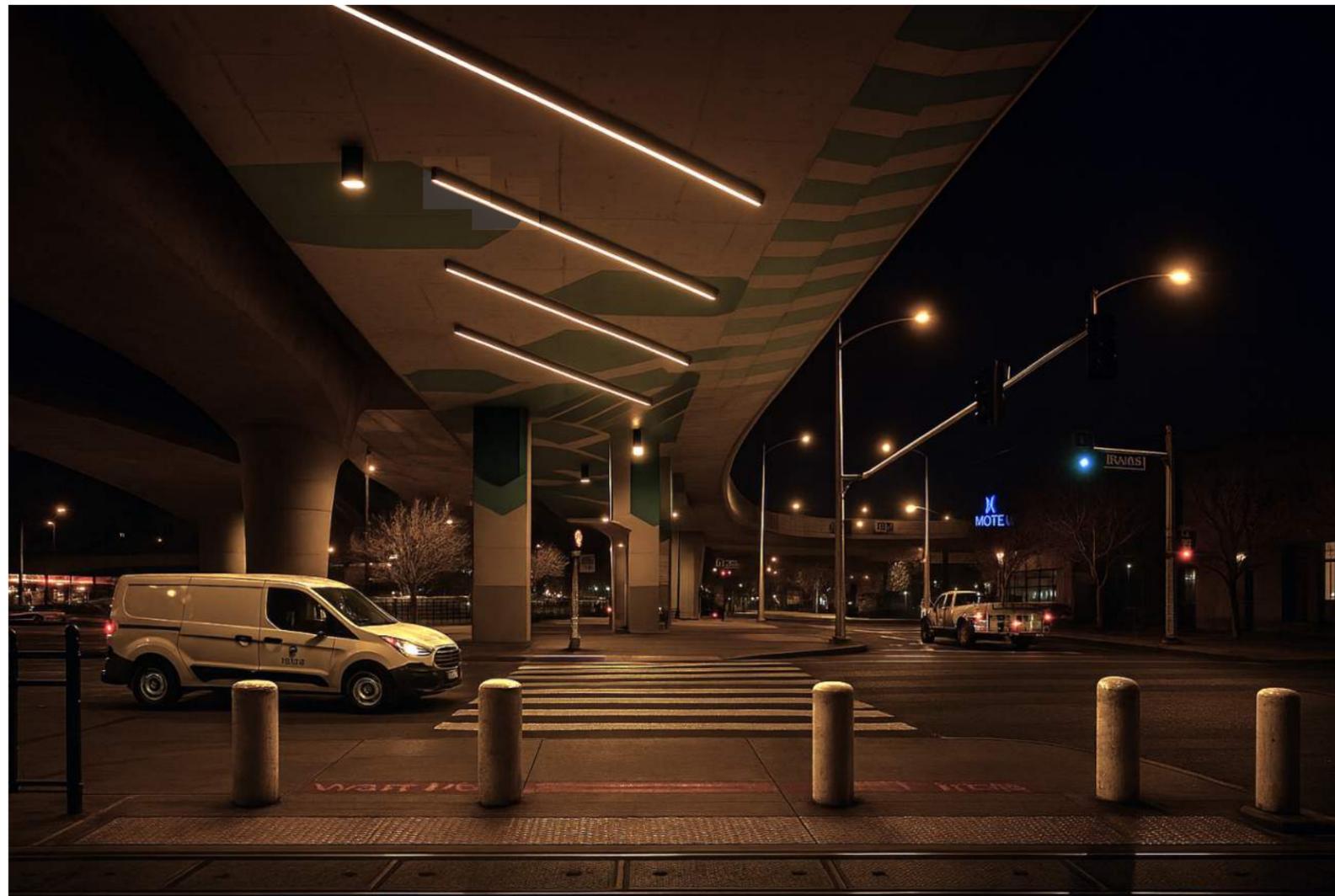
Electrical Source

Option A:

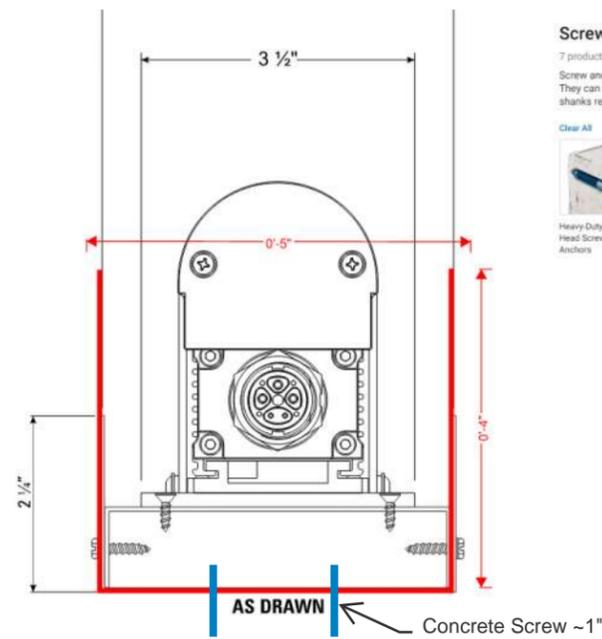
From existing under deck lighting on bridge structure.
Route conduits from junction boxes at existing light locations and route power to new proposed linear lighting.

Option B:

From power source under overpass
(Panel In King County Metro Ryerson Base yard may have capacity)
(Existing under deck lighting load center may have capacity)



Conceptual Rendering - Night Time Scene



Screw Anchors

7 products
Screw anchors secure using integrated notched threads that bite into the mounting surface during installation. They can be installed into cracked or damaged concrete and resist loosening from vibrations. Their tapered shanks reduce stress on the mounting surface and provide additional holding power as they wedge into place.

Clear All



Specification Sheet

lumencove
Lumencove XT Direct View
LSTD
COLOR CHANGING

Project Name _____ City _____
Type _____ Catalog / Part Number _____

Photometric Summary

Fixture (305mm)	Delivered output (lm)	Power (W)
RGB	84	5
RGBW30K	83	5
RGBW40K	85	5
RGBA	91	5
Fixture (610mm)	Delivered output (lm)	Power (W)
RGB	168	12
RGBW30K	166	12
RGBW40K	170	12
RGBA	171	12

Description
The Lumencove XT Direct View Color Changing is a system of direct view linear LED luminaires for media facades and delineation of large-scale structures such as bridges and towers. It is suited for sustained outdoor use. Lumencove XT Colour Changing luminaires can be arranged in patterns or in long, continuous lines of light. The luminaires use 11-colour LEDs in a single package, preventing colour to avoid flickers and moiré. A domed acrylic diffuser lens produces perfectly uniform and saturated light that can be controlled with up to 12 in resolution for sophisticated low-resolution video effects in colour. Available with a choice of lengths, finishes, and mounting options, as well as legacy or Custom output modes.

(Optional) Metal Channel for Protection of Lighting - Mounting (Section View)

(Optional) Extra Heavy Duty Direct View IK10 Rating (High Resistant to Impacts)

Royal Brougham/King County Metro Parking **Fencing Option: Perforated - Option A**

1. Ability to laser cut custom patterns throughout, or in specific locations
2. Standard patterns can obscure views of Metro Bus lot



Viva Railings

ARKTURA GRAPHIC PERFORATED EXTERIOR

Applications

Feature Facades
Use Graphic Perf® to create stunning exterior feature facade elements, translating your choice of imagery and patterning to perforated metal.

Rainscreens
Create distinctive screens to protect structures from rain, sleet, or snow while bringing life and character to spaces.

Curved Panels
Map your perforated design across curved panels, manufactured to flow organically within your configuration and design demands.

Sunscreens
Design unique sunscreens that create shade to protect buildings and occupants from harmful UV rays while reinforcing your branding.

www.arktura.com | info@arktura.com Fueling Possibilities® | 5

Arktura

ARKTURA

Case Studies - Workday

Stairwell
Gensler worked with Arktura to design the cladding for the stairwell of Workday's new HQ to aid in masking bike storage areas and new parking garage stairwell. Graphic Perf® panels utilized a gradient perforated panel for the bike storage space on the ground level. The stairwell panels used a uniform, seamless perforated pattern for ventilation.

www.arktura.com | info@arktura.com

Royal Brougham/King County Metro Parking **Fencing Option: Trex Fence - Option B**

1. 8' High fencing
2. Conceals bus parking lot
3. Cleanable if exposed to graffiti
4. Won't fade from sun exposure
5. Multiple colors to choose from



Royal Brougham/King County Metro Parking **Fencing Option: Ameristar - Option C**



TRIDENT™

The Impasse Trident *pale rises above the topmost rail and terminates with a menacing triple-pointed splayed spear tip.* The intimidating look of the Trident corrugated pale is a *visual deterrent* to any who would dare to intrude.

- 3-RAIL PANELS | 6', 7', 8', 9' & 10' HEIGHTS
- 2-RAIL PANELS | 6', 7' & 8' HEIGHTS



STRONGHOLD™

The *blunt, slightly rounded tip* of the Stronghold offers strength when necessary, while providing *safety and security to the general public.* The Stronghold features the *same structural configurations of its high-security counterparts.*

- 3-RAIL PANELS | 6', 7', 8', 9' & 10' HEIGHTS
- 2-RAIL PANELS | 6', 7' & 8' HEIGHTS



WIREWORKS® ANTI-CLIMB

High Security Welded Wire Mesh Fence



Our polyester powder coated steel guarantees a maintenance-free and environmentally friendly fence.



WireWorks welded wire steel fence is backed by over 30 years of excellence in the fencing industry.



COLORS Refer to color sample for actual color



DESIGN INTEGRATION

The WireWorks Anti-Climb framework is a raceway for wiring, conduits and/or security cabling required around the perimeter of a project. This integrated design eliminates the need for costly trenching and boring, becoming a value-added solution for perimeter security upgrades.

When installing these security elements, use WireWorks Anti-Climb as a platform:

- Communication & Video Cables
- Access Control Wiring
- Intrusion Detection / Fiber-Optic Cables
- Conduits
- Anti-Ram Cabling (Stalwart)



(Inside of rail shown above / view from protected side)

Royal Brougham/King County Metro Parking **Graphics References**

Crosswalk Graphics



Sidewalk Directional Graphics



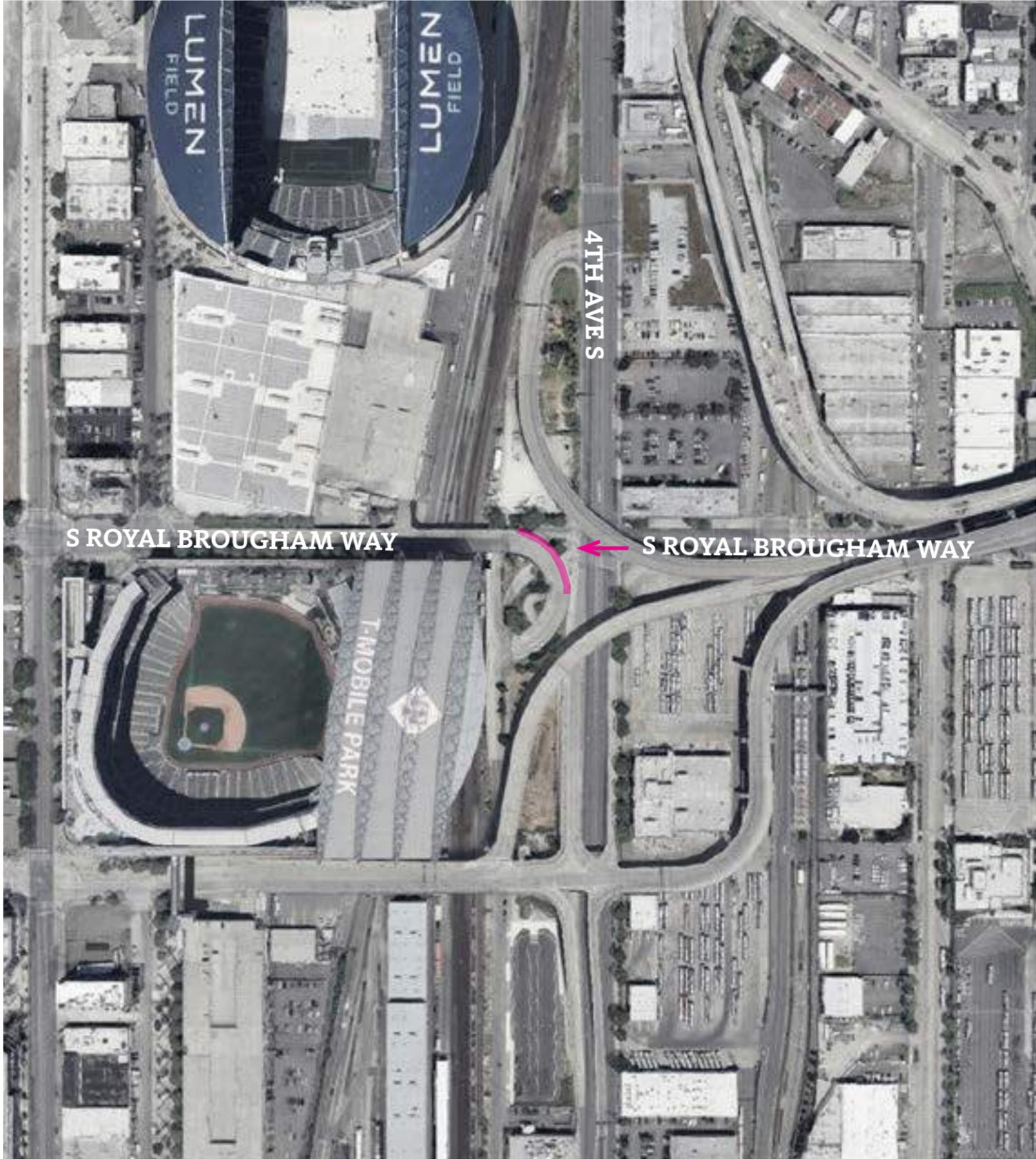
#04

Snail Tunnel

Pedestrian Improvement Project

- Improve lighting,
- Introduce art,
- Add Audio,
- Create a welcoming transition to the Stadium District.

Snail Tunnel Overview



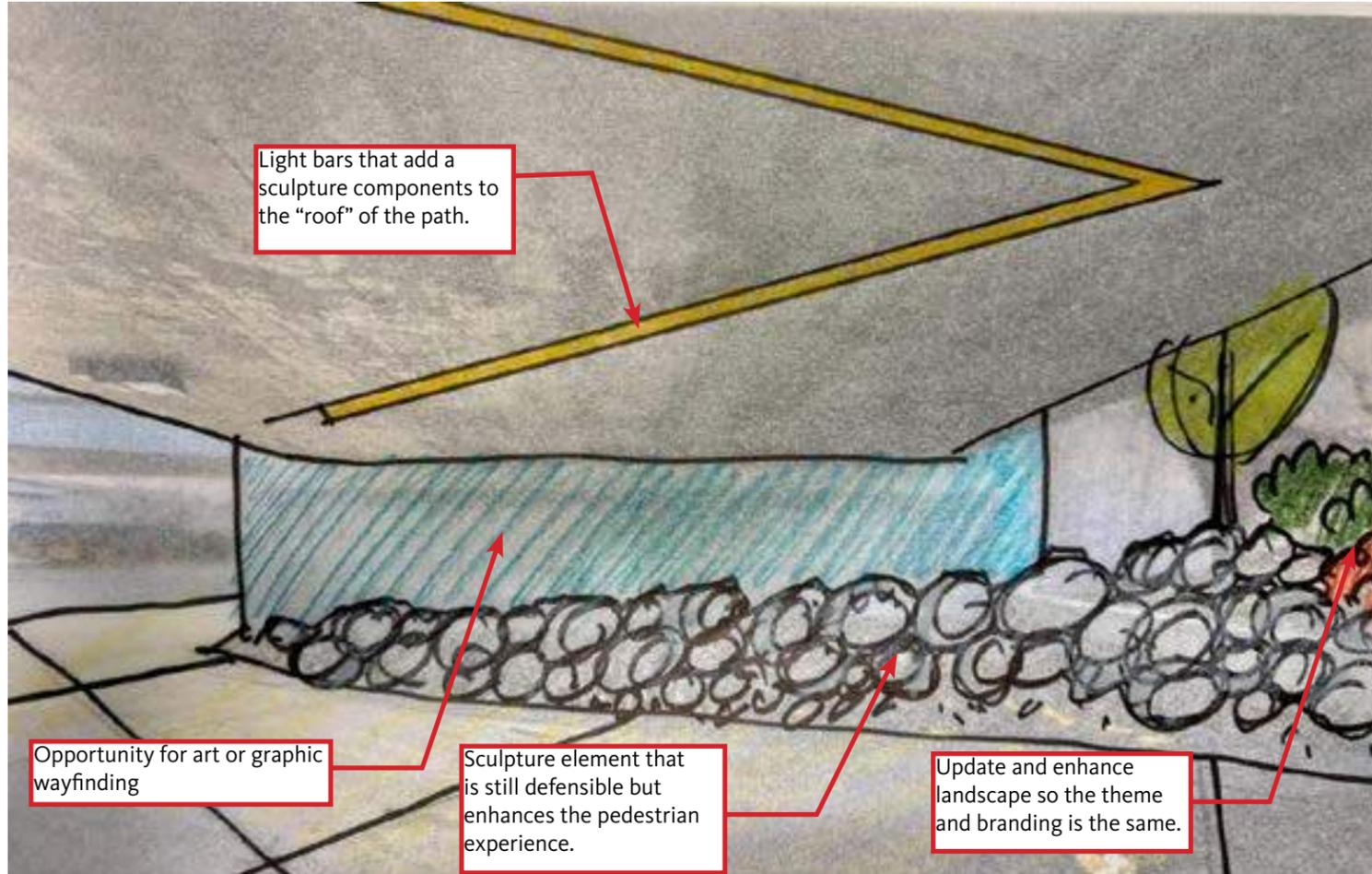
Snail Tunnel Existing Conditions



Improve Lighting and create an 'Entry' to the stadiums



Snail Tunnel Landscape and Lighting Options



Snail Tunnel **Concept Updates - Snail Activation**

Super Graphic on Wall Under Snail

Large Graphic Text Wraps Under Snail



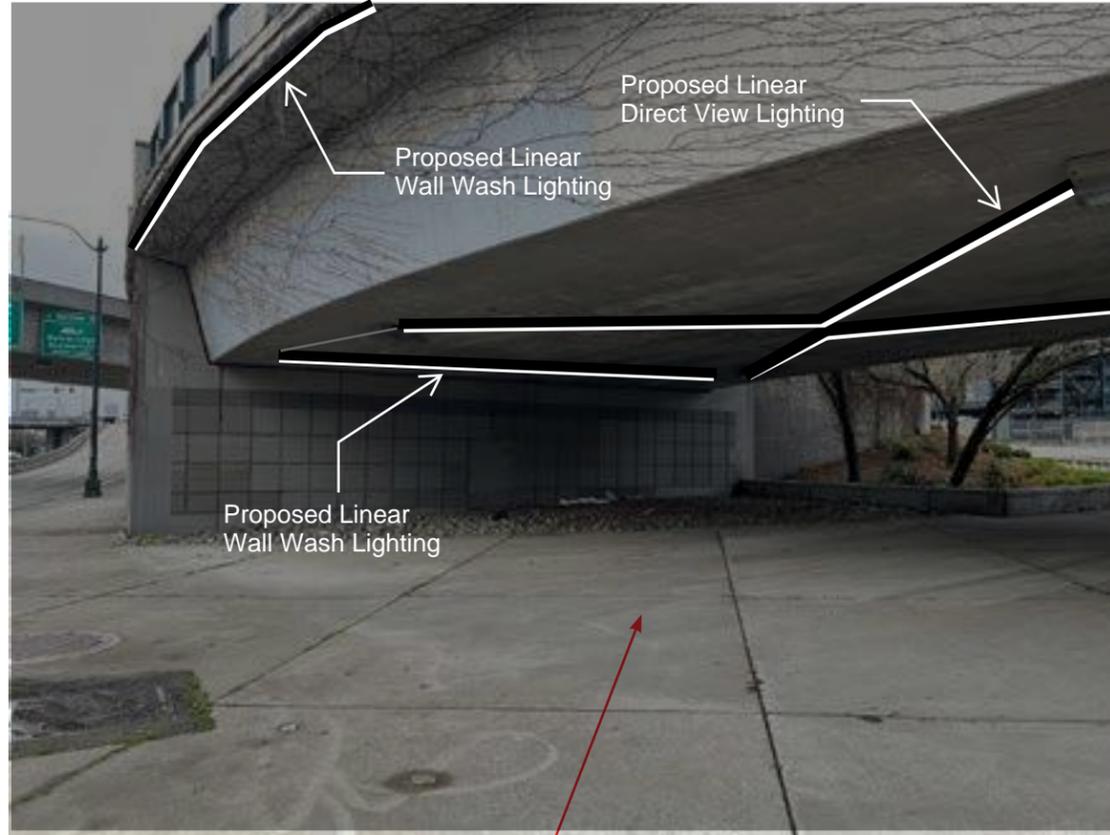
Snail Tunnel **Concept Updates - LED Lighting Option**



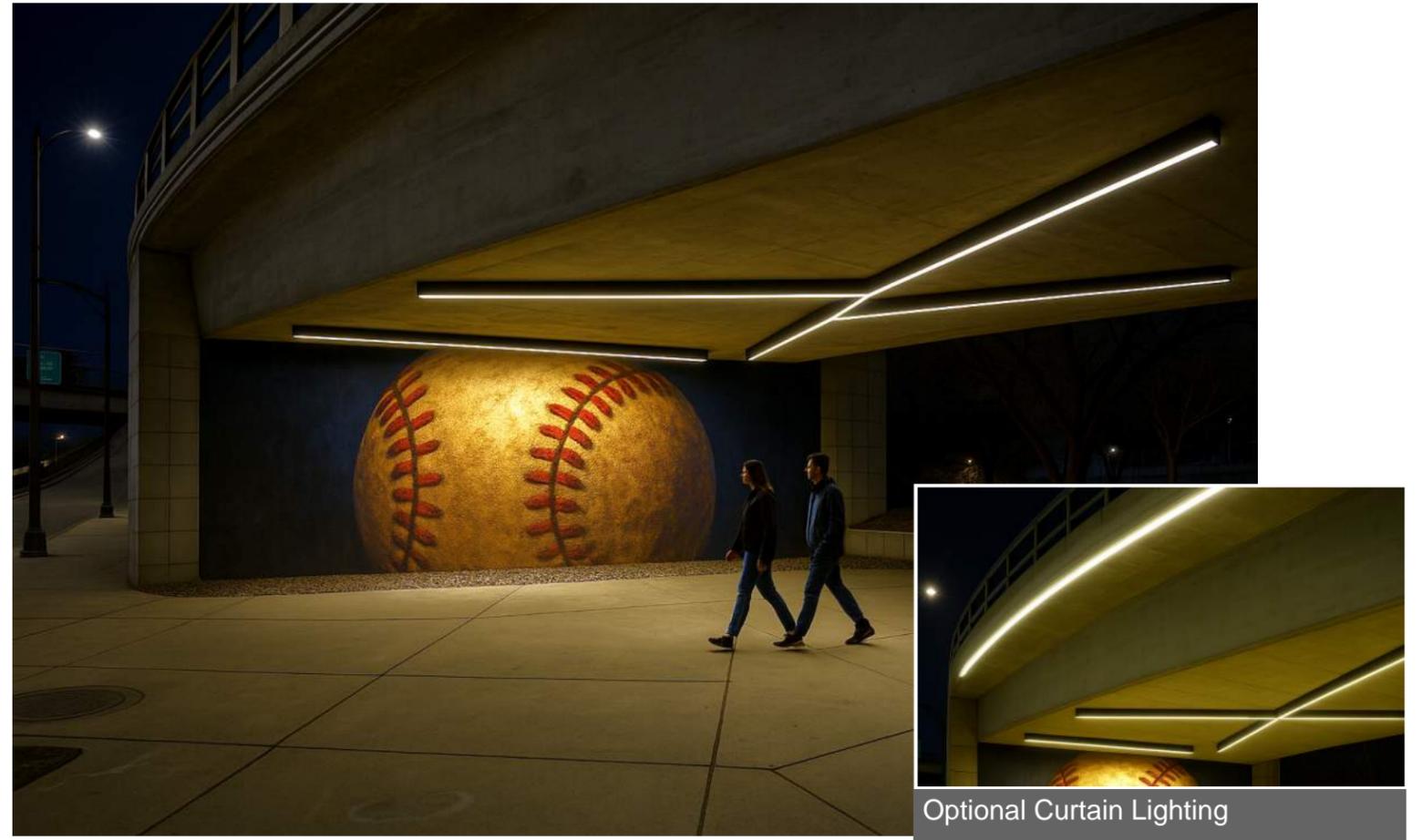
Snail Tunnel **Concept Updates - LED Lighting Option**



Snail Tunnel Concept Design



Conceptual Rendering - Light locations



Conceptual Rendering - Night Time Scene

Extend 2 | Surface mount

Project: _____
Type: _____
Notes: _____

PERFORMANCE PER LINEAR FOOT AT 3500K, 80 CRI			
NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1000 lm/ft	9.8 W/ft	101 lm/W	SO
750 lm/ft	7.2 W/ft	103 lm/W	GZ
750 lm/ft	7.4 W/ft	101 lm/W	ASO
1000 lm/ft	9.7 W/ft	102 lm/W	BW
750 lm/ft	7.4 W/ft	101 lm/W	WW

*Please consult factory for custom lumen output and wattage.

IK10 IP66 eUL10

Ordering Guide

PRODUCT ID	NOM. LUM./FT	CRI	COLOR TEMP. (choose one)	SHIELDING
EX2S	300 300 lm/ft - min	80 80 CRI	27 2700 K	SO spotless lens
	750 750 lm/ft - max for GZ, WW, ASO*	90 90 CRI	30 3000 K	GZ Graze
	1000 1000 lm/ft - max		35 3500 K	WW Wallwash
			40 4000 K	ASO Asymmetric
			50 5000 K	BW Barwing

Output between listed min and max is available. *750 lm/ft max only for GZ, WW and ASO. Consult factory for outputs outside of the listed range.

LENGTH (FT)	FINISH	VOLTAGE	DRIVER	CIRCUITS
2' 2'	AP aluminum paint	120 120 V	DP dimming (0-10V) 1%	1 1 circuit
3' 3'	W white	277 277 V	DPX dimming (0-10V) 1%, extended temp. range (-40°C - +50°C)	2 2 circuits
4' 4'	BLK black	347 347 V*	LT(I) Lutron**	+E(I) emergency circuit*
5' 5'	C custom	UNV universal	LT(I) Lutron**	+NL(E) night light circuit*
6' 6'			DI bi-level dimming	+GTD(I) generator transfer device**
7' 7'			DI other*	
8' 8'				
12' 12'				
S(U) System Run				

Lengths are nominal. Exact lengths can be specified, please consult factory. *Remote surge protection device only. **Please consult factory, see page 2. *Specify quantity. Minimum 3ft fixture length. **120V and 277V only. Please specify.

Proposed Fixture Cut Sheet

Electrical Source

From existing under deck lighting.

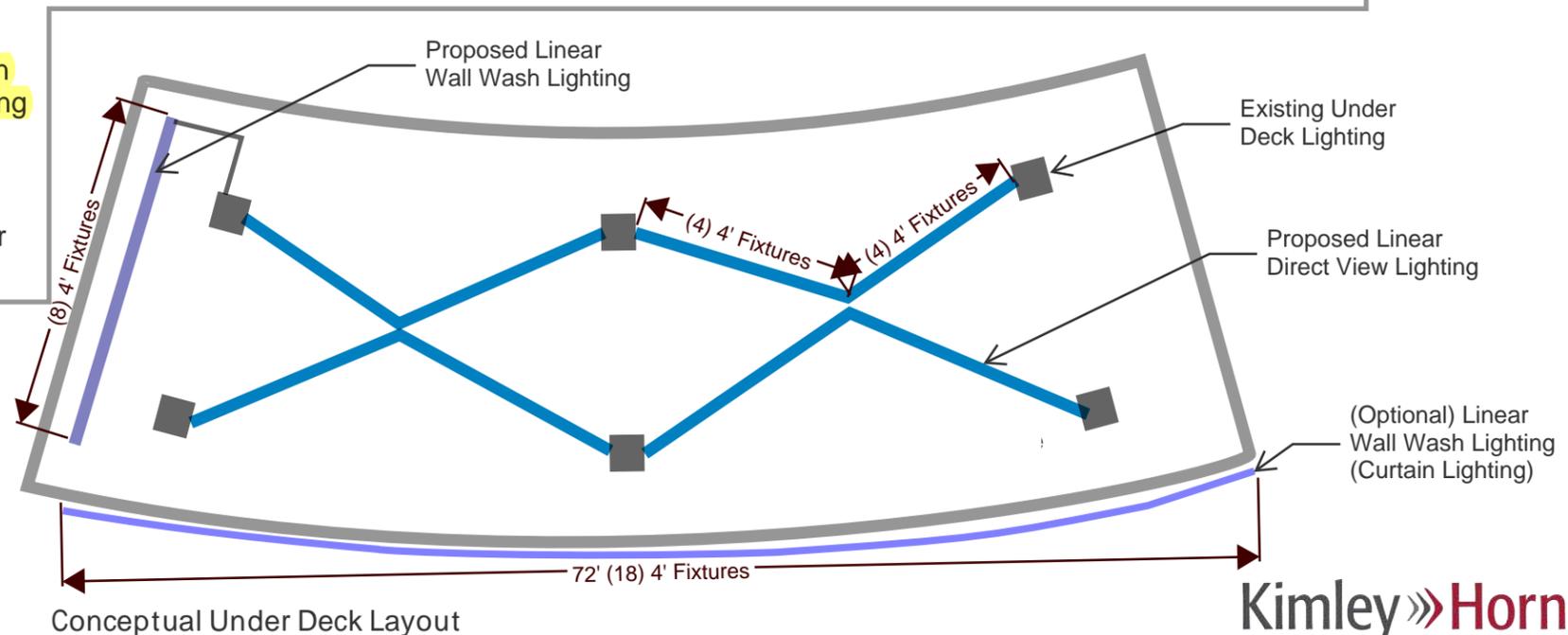
Lighting Control

Option 1: New photocell and or time clock in NEMA 3R cabinet to control lighting contractors.

Option 2: Utilize existing lighting controls for existing lighting circuits.

Electrical Summary

Proposed Under Deck Linear Lighting Load ((32) 4' Direct View & (8) Wall Wash) = 1,313 Watts
 Proposed Curtain Wall Wash Lighting Load ((18) 4' Wall Wash) = 532 Watts
 Proposed Under Deck Lumens = ~160,000 Lumens at full brightness
 Possible Existing Lighting Load (Each light at 250W) = ~1500 Watts



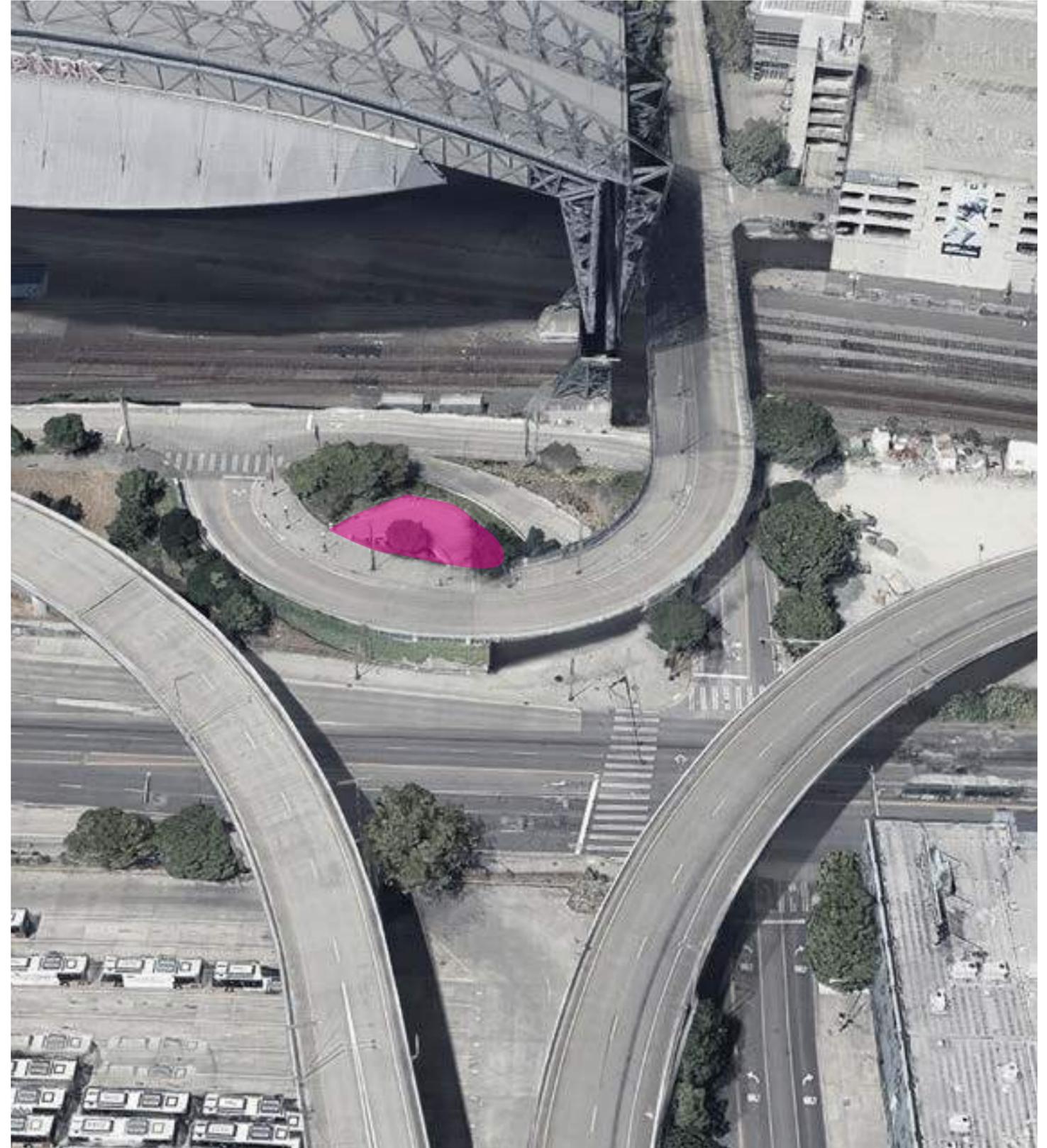
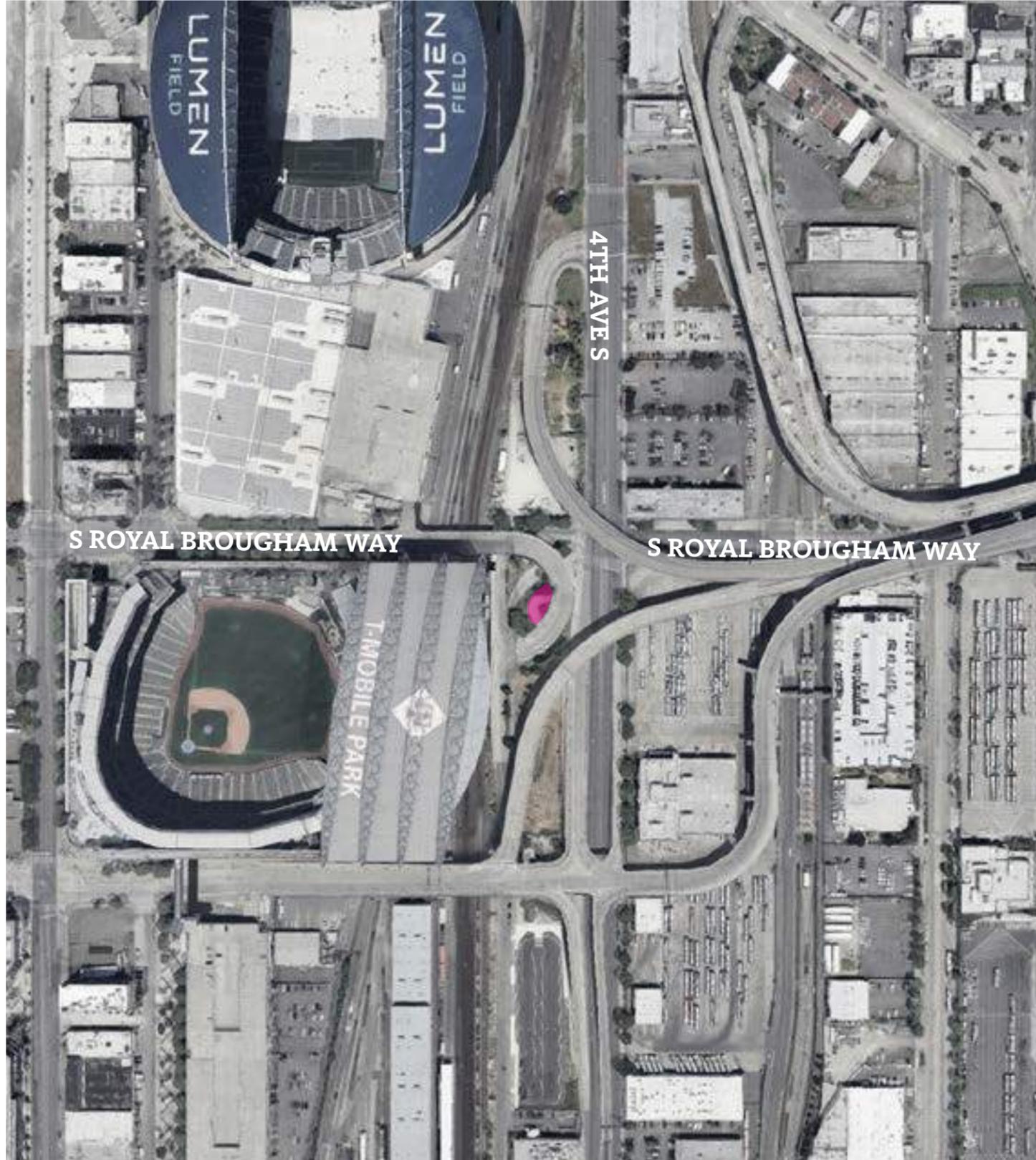
Conceptual Under Deck Layout

#06

Scooter & Bike Parking Pedestrian Improvement Project

- Create a visually appealing space with
- Add lighting,
- Add audio,
- Add artistic elements,
- Potentially serving as a photo-worthy spot
- Functional bike and scooter parking area.

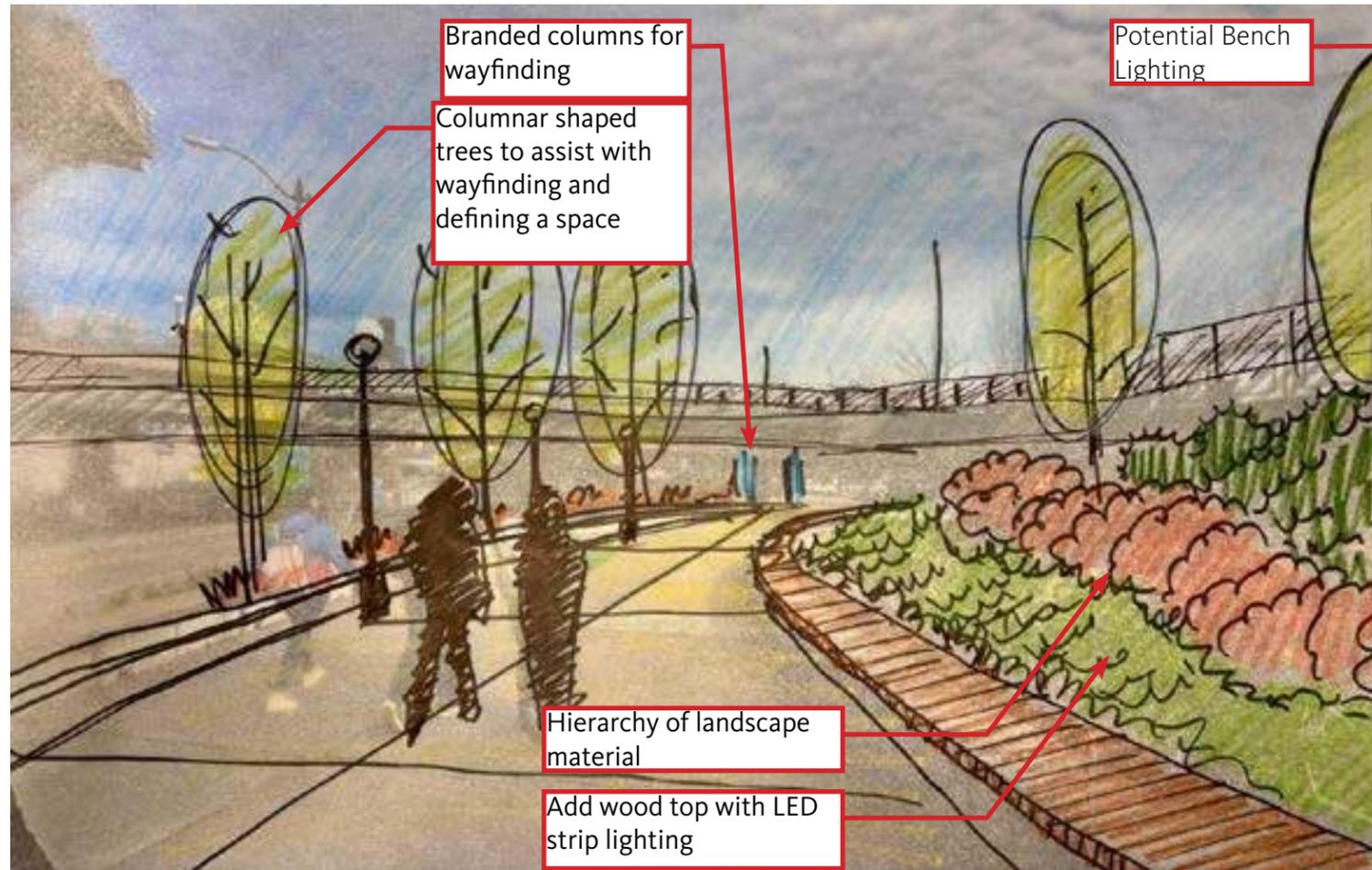
Scooter and Bike Parking **Overview**



Scooter and Bike Parking **Existing Conditions**



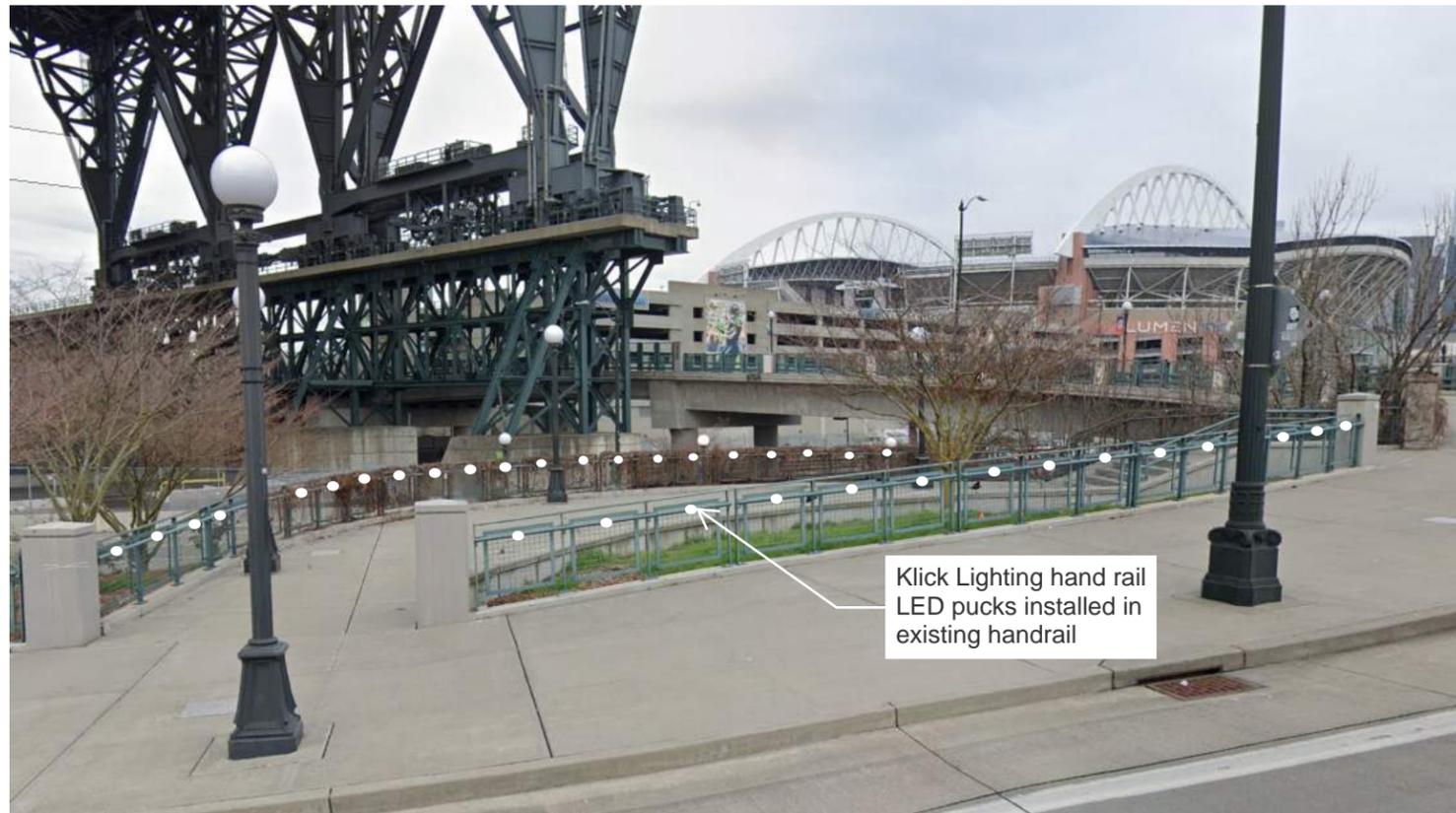
Scooter and Bike Parking **Landscape and Lighting Options**



Scooter and Bike Parking **Concept Updates**



Scooter and Bike Parking Concept Design



Klick Lighting hand rail LED pucks installed in existing handrail

Conceptual Rendering - Light locations



Conceptual Rendering - Night Time Scene

KLK USA 2840 N Brookfield Rd, Suite 3 Brookfield, WI 53045 PH: 262.505.5124 sales@klkusa.com www.klkusa.com

Project Name: _____ Location: _____
 Specifier: _____ Rep Agency: _____
 Fixture Type: _____ Product Code: _____

KLICK LEDpod™ 50 Patented

DESCRIPTION

Discrete, seamless point source LED fixture for use in all code-compliant handrail, especially curving ramps and helical stairs as well as long runs on bridges and pedestrian paths. Asymmetric optic allows mounting at rail nadir, eliminating uncomfortable glare issues. Typical spacing between LEDpods on stairs is 24", and on level runs is 48".

HOUSING

Aluminum body has a fine 25-micron finish and is then hard-coat anodized, thus preventing galvanic corrosion. Silicone gasket seals the installation from water ingress and provides added means of electrical isolation to minimize potential for galvanic reaction.

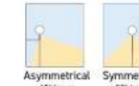
MOUNTING

Patented attachment method offers unparalleled security and ease of mounting. Requires only a simple drilled hole in railing material. All conductors remain internal to railing to provide secure and safe wiring. IK10 Impact rating ensures vandal resistance.

- Tube Size: Ø 1.75" - 2.00", Max. wall .22" Other sizes available upon request.
- Cut Out: 25mm
- Must use a 25mm annular cutter [NOT a 1" cutter].

ELECTRICAL/LED DRIVER

- Input Voltage: 24 VDC
- Driver: Must use class 2 driver
- Primary Driver: 110 - 277 VAC UL Listed Constant Voltage
- Secondary Driver: 350 - 700mA Constant Current (provided with fixture)
- Control: 0-10V, DALI, DMX
- DMX control for dimming only, not for individually addressed LEDpod
- Enclosure: Minimum NEMA2 for indoor, NEMA 3R for outdoor
- Wire connectors provided, factory pre-wire available, consult factory



- ETL listed UL 1598/CSA 22.2:CE
- LED Operating Temp: -40°F - 160°F
- Weatherproof Rating: IP66 Wet location rated
- 3G Vibration per MIL-STD-810G
- Impact resistance: IK10
- Wildlife friendly
- International Dark Sky Association Certified Amber @ 3000K

* All IP rated luminaires tested to AS40837-2004 Degrees of protection provided by enclosures (IP Code)

Proposed Fixture Cut Sheet - Handrail

LPQZ96WUNV24VPH010

QZ LED POWER SUPPLY 96W

The QZ is a versatile Class 2 LED power supply with dimmable or non-dimmable options. QZ can be controlled via phase (forward or reverse) or 0-10V dimming. The Pulse Width Modulation (PWM) output provides smooth flicker-free dimming. When using phase control, a dimmer with a neutral is recommended. The driver has 24VDC constant voltage output and is available in 30-288 watts power up to 288W (96x3). The housing is also listed for indoor or outdoor use.



Part Number Builder

Product: QZ Size: 96W Prim. V: UNV Sec. V: 24V Control: PH010

Proposed LV Driver Cut Sheet

Electrical Summary

Hand Rail Lighting Lighting Load (~75 Spots) = ~187.5 Watts

Electrical Source

Hand rail lighting needs low voltage transformers

Option 1:
Pull new power from stadium all the way to the snail

Option 2:
Replace existing lamps in globe fixtures with new LED Bulbs to decrease wattage and allow for tie in of rail lighting in o the same circuit via the junction boxes in the area.

Option 3:
Pull Power from under-deck lighting power source

Lighting Control

Option 1:
New photocell and or time clock in NEMA 3R cabinet to control lighting contractors.

Option 2:
Utilize existing lighting controls for existing lighting circuits.

Scooter and Bike Parking Concept Design



Conceptual Rendering - Light locations

Conceptual Rendering - Night Time Scene



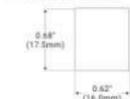
Description

Signwave 3 is the only series offered with Horizontal or Vertical bending options. The perfectly flat top of Signwave 3 provides greatly reduced side-viewing angles and concentrates the incredibly bright illumination onto a single direct-view surface.

Features

- Dimmable
- 50,000 Hour Life
- Flat Profile for Streamline Projects
- Horizontal or Vertical Bending Option
- IP68
- UL-Listed for Indoor and Outdoor Use
- Factory-installed Power Feed
- Injection-Molded Flush End Caps
- For Use with 24V Power Supplies

Dimensions

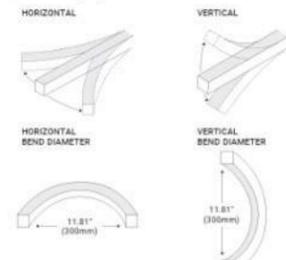


* See Series Data for more information
* To mitigate risks associated with thermal expansion and contraction.

Specifications

Series	SW3S
Temp/Color	Static White, Red, Green, Blue, Amber, RGBW, DW (1800K-3000K), CT
Input Voltage	24V DC
Lumens per Foot	143 lm/ft (Static White)
Watts per Foot	2.4-3.7
Beam Angle	160°
CRI	80+
Max Run Length	Unlimited*
Dimensions	0.62" (16.0mm) x 0.68" (17.0mm)
Dimming Options	PWM, Triac, 0-10V, DMX, H-Lume
Operating Temp	-40°F (-40°C) to 131°F (55°C)

Bending Options



Proposed Fixture Cut Sheet - Landscape Up Lighting

Electrical Requirements

Linear Wall Edge Lighting (54') = ~200 Watts
Landscape Lighting Loads (10 Spot Lights) = ~142 Watts

Lighting Control

Option 1: New photocell and or time clock in NEMA 3R cabinet to control lighting contractors.

Option 2: Utilize existing lighting controls for existing lighting circuits.

Electrical Source

Seat wall lighting needs low voltage transformers

Option 1: Pull new power from stadium all the way to the snail

Option 2: Replace existing lamps in globe fixtures with new LED Bulbs to decrease wattage and allow for tie in of rail lighting in o the same circuit via the junction boxes in the area.

Proposed Fixture Cut Sheet - Seatwall

Snail Tunnel Concept Design



Spot Lighting on walls and landscape

Linear Under Bench Lighting

Conceptual Rendering - Light locations



Conceptual Rendering - Night Time Scene



Proposed Fixture Cut Sheet

Electrical Requirements

Landscape Lighting Load (16 Spots) = ~227 Watts

Linear Wall Edge Lighting (159') = ~588 Watts

Electrical Source

Wall edge lighting needs low voltage transformers

Option 1:
Pull new power from stadium all the way to the snail

Option 2:
Replace existing lamps in globe fixtures with new LED Bulbs to decrease wattage and allow for tie in of rail lighting in o the same circuit via the junction boxes in the area.



Description

Signwave 3 is the only series offered with Horizontal or Vertical bending options. The perfectly flat top of Signwave 3 provides greatly reduced side-viewing angles and concentrates the incredibly bright illumination onto a single direct-view surface.

Features

- Dimmable
- 50,000 Hour Life
- Flat Profile for Streamline Projects
- Horizontal or Vertical Bending Option
- IP68
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- Factory-Installed Power Feed
- Injection-Molded Flush End Caps
- For Use with 24V Power Supplies

Dimensions



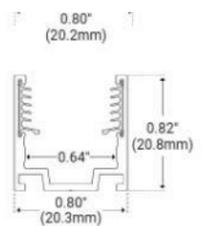
* See Series Data for more information.
* To mitigate risks associated with thermal expansion and contraction, outdoor applications are limited to 98' fixture lengths.

Proposed Fixture Cut Sheet

Aluminum Serrated Flex Channel



Unit Number	SW-K-CH-AL-FLX-1M
Material	Aluminum
Length	39.30' (1m)
Width	0.80" (20.2mm)
Height	0.82" (20.8mm)
Internal Width	0.64" (16.3mm)

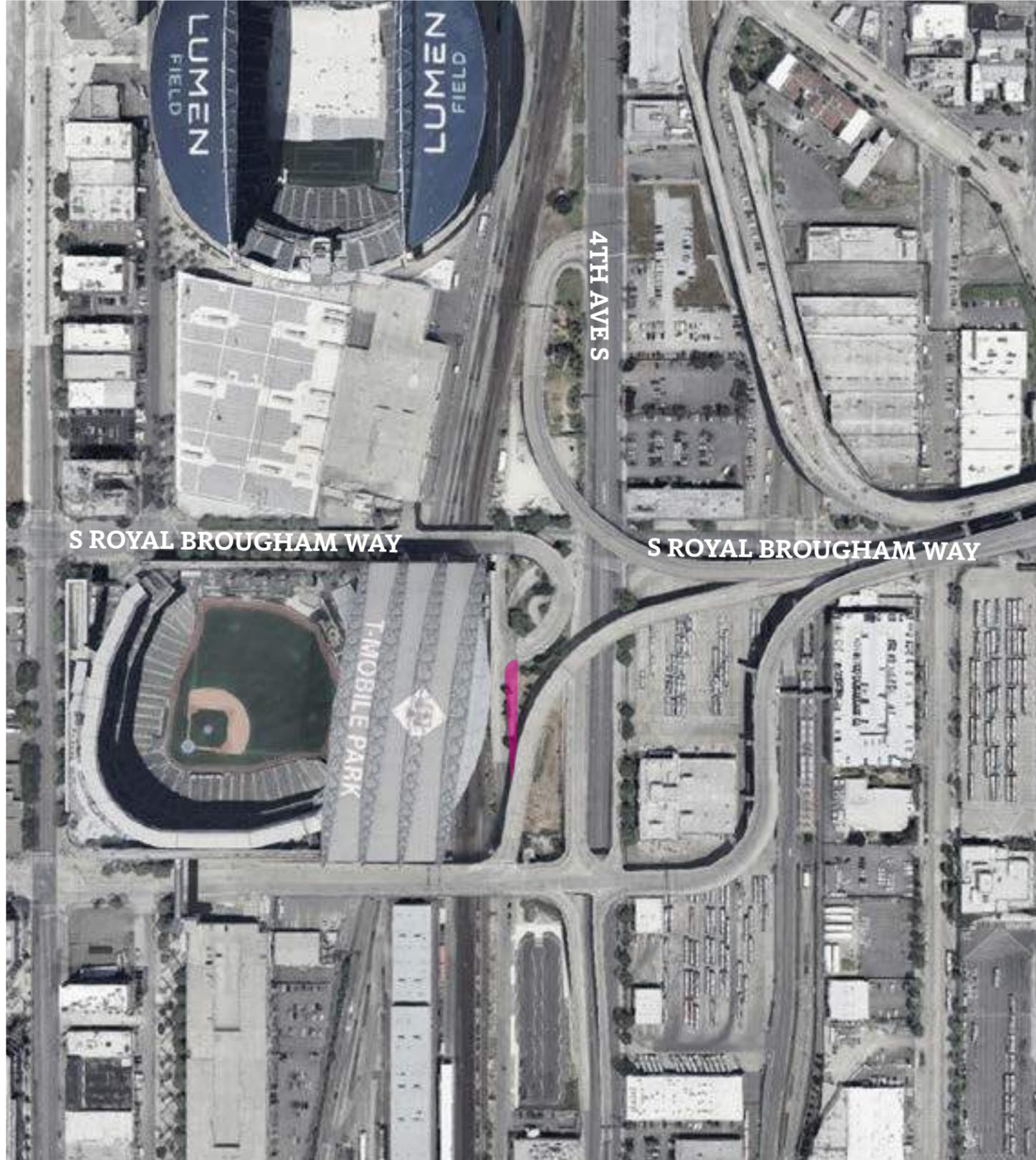


#08

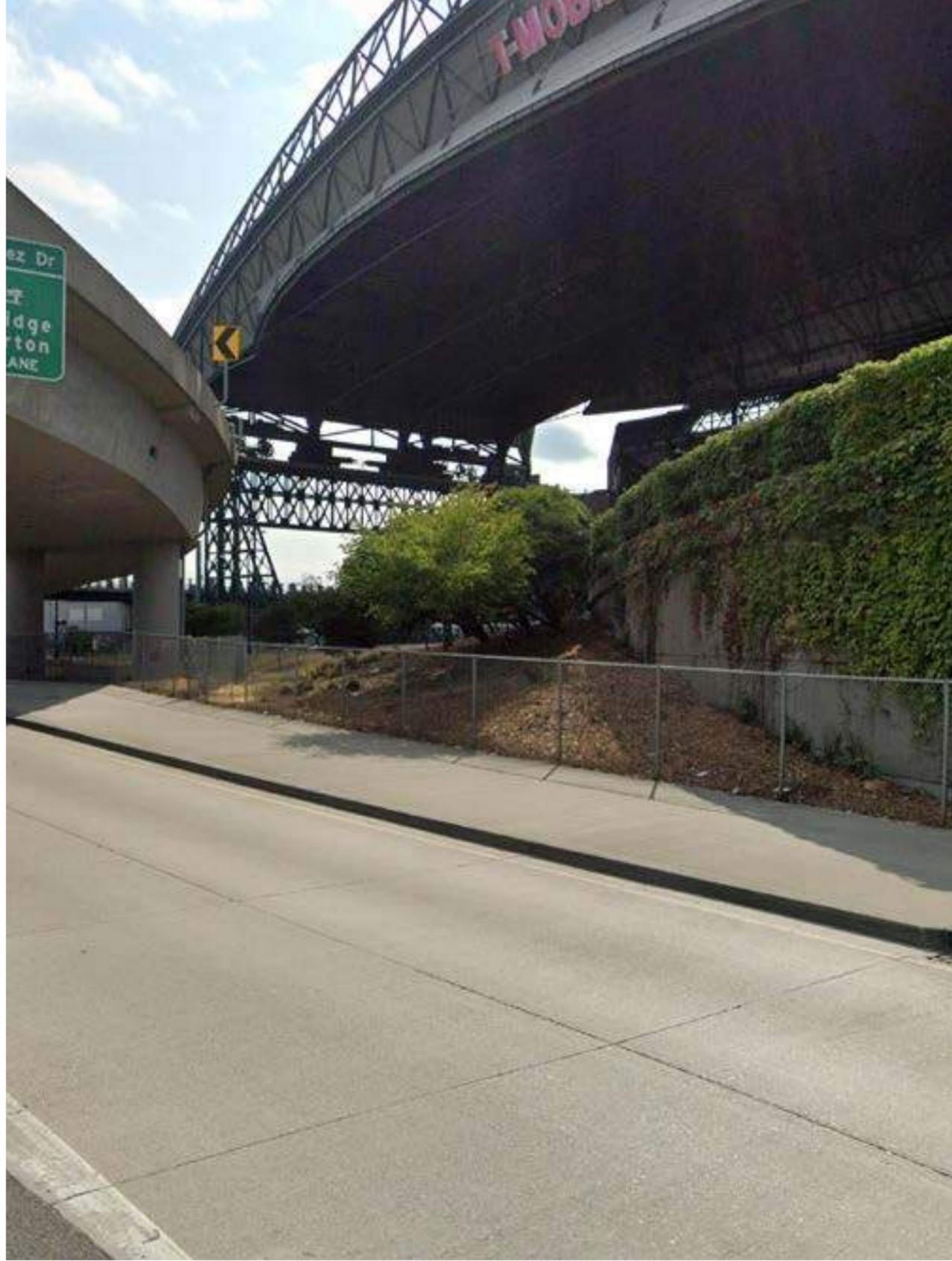
Ride Share Lot Fence Pedestrian Improvement Project

- Replace or enhance fencing with art
- And/or new fencing
- To create a cohesive and visually appealing experience along the sidewalk to the ride share lot.

Ride Share Lot Fence **Overview**



Ride Share Lot Fence **Existing Conditions**



Ride Share Lot Fence **Fencing Option: Fence Branding - Option A**



Ride Share Lot Fence **Fencing Option: Trex Fence - Option B**

1. 8' High fencing
2. Cleanable if exposed to graffiti
3. Won't fade from sun exposure
4. Multiple colors to choose from



Ride Share Lot Fence **Fencing Option: Ameristar - Option C**



TRIDENT™

The Impasse Trident *pale rises above the topmost rail and terminates with a menacing triple-pointed splayed spear tip.* The intimidating look of the Trident corrugated pale is a *visual deterrent* to any who would dare to intrude.

- 3-RAIL PANELS | 6', 7', 8', 9' & 10' HEIGHTS
- 2-RAIL PANELS | 6', 7' & 8' HEIGHTS



STRONGHOLD™

The *blunt, slightly rounded tip* of the Stronghold offers strength when necessary, while providing *safety and security to the general public.* The Stronghold features the *same structural configurations of its high-security counterparts.*

- 3-RAIL PANELS | 6', 7', 8', 9' & 10' HEIGHTS
- 2-RAIL PANELS | 6', 7' & 8' HEIGHTS



WIREWORKS® ANTI-CLIMB

High Security Welded Wire Mesh Fence



Our polyester powder coated steel guarantees a maintenance-free and environmentally friendly fence.



WireWorks welded wire steel fence is backed by over 30 years of excellence in the fencing industry.



COLORS

Refer to color sample for actual color



DESIGN INTEGRATION

The WireWorks Anti-Climb framework is a raceway for wiring, conduits and/or security cabling required around the perimeter of a project. This integrated design eliminates the need for costly trenching and boring, becoming a value-added solution for perimeter security upgrades.

When installing these security elements, use WireWorks Anti-Climb as a platform:

- Communication & Video Cables
- Access Control Wiring
- Intrusion Detection / Fiber-Optic Cables
- Conduits
- Anti-Ram Cabling (Stalwart)



(Inside of rail shown above / view from protected side)