

**CID唐人街/国际区进一步研究**

**CID Further Studies**

**研讨会四 Workshop 4:**

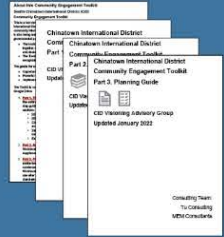
**总结 Summary**

**会议资料 Meeting Materials**

**1/5/2023**

# CID唐人街/国际区互动参与过程

## CID Engagement Process



Process informed by CID Engagement Toolkit and discussions with community

### Key Questions

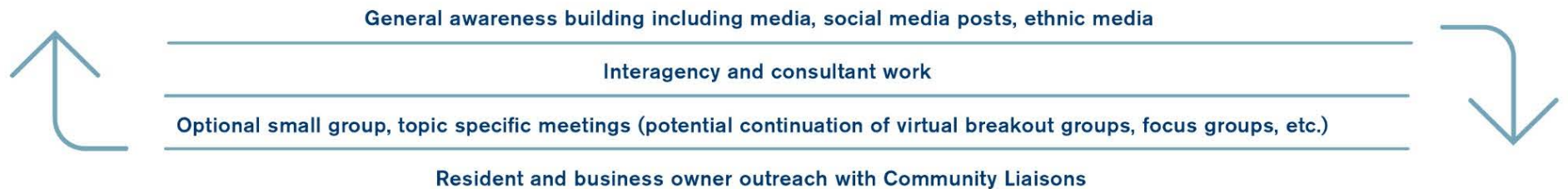
- What hasn't worked with previous engagement?
- What does a transparent process look like?
- What would you like to see in the process?
- Would you like a facilitator?

### WHAT COULD THIS PROCESS LOOK LIKE?

Iterative, facilitated, and responsive process adapts as needed to serve community



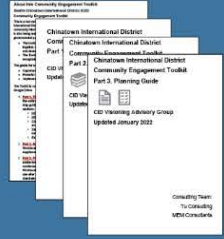
### SUPPORTING THE PROCESS



**Targeted Level of Community Engagement: Involve**  
 We will aim to engage at a Collaborate level wherever possible.

# CID唐人街/国际区互动参与过程

## CID Engagement Process



Process informed by CID Engagement Toolkit and discussions with community

### Key Questions

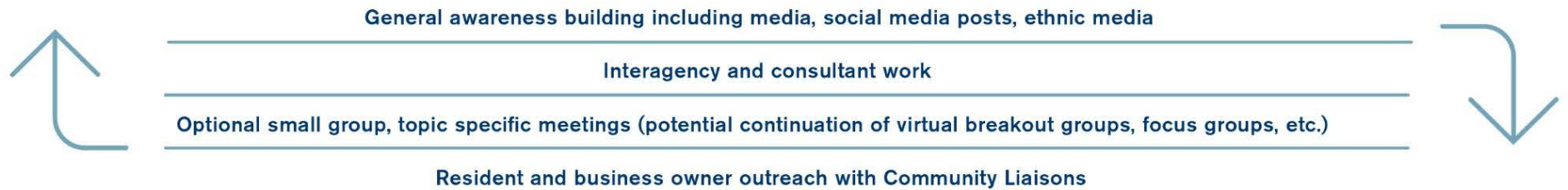
- What hasn't worked with previous engagement?
- What does a transparent process look like?
- What would you like to see in the process?
- Would you like a facilitator?

### WHAT COULD THIS PROCESS LOOK LIKE?

Iterative, facilitated, and responsive process adapts as needed to serve community



### SUPPORTING THE PROCESS



**Targeted Level of Community Engagement: Involve**  
 We will aim to engage at a Collaborate level wherever possible.

# 今天研讨会的议程

## Agenda for today's workshop

5:00-5:45 PM

欢迎和摘要概述简报

Welcome and summary snapshot presentation

5:45-6:30 PM

小组讨论

Small group discussion

6:30-7:00 PM

报告和后续步骤

Report-out & next steps

WHAT COULD THIS PROCESS LOOK LIKE?  
Iterative, facilitated, and responsive process adapts as needed to serve community



### SUPPORTING THE PROCESS

General awareness building including media, social media posts, ethnic media

Interagency and consultant work

Optional small group, topic specific meetings (potential continuation of virtual breakout groups, focus groups, etc.)

Resident and business owner outreach with Community Liaisons

Targeted Level of Community Engagement: Involve  
We will aim to engage at a Collaborate level wherever possible.

Process in CID Engagement Toolkit and discussion with community

Key Questions

- What hasn't previous engagement done well at?
- What does a transparent process look like?
- What would you like to see in the process?
- Would you like a facilitator?

# 今天研讨会的目标

## Goals for today's workshop

### 分享进一步研究总结:

- 交通和社区连接
- 建筑和交通影响
- 车站概念机遇与问题

### 收集您的反馈:

您对进一步的研究结果有何看法, 以及研究结果如何与社区目标保持一致?

您希望我们与Sound Transit委员会分享什么?

我们如何为您提供后续步骤并继续参与?

### Share summary of further studies:

- Access and connections
- Construction and traffic effects
- Station concept opportunities and issues

### Gather your feedback:

- *What are your thoughts on the further study findings and how do they align with neighborhood goals?*
- *What would you like us to share with the Sound Transit Board?*
- *How can we support you with next steps and continuing to engage?*

**联合车站和广场激活**

***Union Station and plaza activation***

# 联合车站和广场激活

## Union Station and plaza activation

咨询会  
社区目标和价值观

Open House  
Neighborhood  
goals and values



研讨会一  
你想看的活动

Workshop #1  
Activities you  
would like to see



研讨会二和三  
定位活动

Workshop #2 & #3  
Locating activities



研讨会四  
工作总结

Workshop #4  
Summarizing  
the work

# 联合车站和广场激活

## Union Station and plaza activation

咨询会  
社区目标和价值观

Open House  
Neighborhood goals and values

### CID参与工具包的核心价值

- 这些价值观对本项目有何影响？
- 在本项目中按照这些价值观来采取行动有多容易或具有挑战性？
- 为确保在本项目中贯彻这些价值观和原则，我们应该注意什么？



### CID参与工具包的核心价值

本流程如何体现社区核心价值？

#### CID社区流程的核心价值

##### 透明与责任

- 对流程和决策保持透明和开放。
- 汇报意见和反馈如何用于工作或影响工作。

##### 协作和共同目标

- 回顾过去，展望未来，连接社区的历史，从而向前发展。
- 专注于一起为共同利益而努力。
- 以尊重和建设性的方式解决意见分歧。
- 对错误，学习持开放态度，并日臻改进。

##### 礼貌相待

- 创造民众可以自由分享意见的空间。
- 倾听并理解他人的想法和观点。

##### 包容与公平

- 创造民众可以自由分享意见的空间。
- 倾听并理解他人的想法和观点。

##### 包容与公平

- 认识并努力减轻历史不平等的影响。
- 建立对不平等和权力体系之根源的共同理解。
- 为社区恢复创造机会。
- 将公平融入工作的各个方面。
- 包括不同的人、声音、想法和意见，并平等地认可不同的社区。
- 优先考虑代表性不足的群体和社区以及受影响最大的人士。
- 提供多种参与机会，包括响应特定群体/文化的需求。
- 避免出现“替罪羊”。
- 不要将人标签化或指派人员参与。
- 营造公平竞争环境，确保人们可以有意义地参与。
- 解决参与障碍，例如语言、知识差距、物流和交通运输以及家庭支持。
- 投资于建立社区知识和能力，以便人们切实参与其中。
- 确保高质量的语音支持。
- 为参与的社区成员提供补助，重视其付出的时间。





# 联合车站和广场激活 Union Station and plaza activation

研讨会一  
你想看的活动

Workshop #1  
Activities you would like to see

您会想看到联合车站被如何被使用?  
What uses would you like to see in Union Station?

锻炼课程 Exercise classes ○○○	展览 Exhibitions ○○○	社区活动 Community events ○○○	其他想法? Other ideas?
咖啡店/茶店 Cafe/tea shop ○○○	室内集市 Indoor market ○○○	座位 ○○○	
晚宴 Formal Dining ○○○	"即拿即走"的快餐 "Grab and go" dining ○○○	零售/餐 ○○○	
演出 Performances ○○○	音乐 Music ○○○	交通讯 ○○○	

您会想如何利用这个广场?  
How would you like the plaza to be used?

室外餐饮/食物 Outdoor dining/food ○○○	自动售货机 Vending carts ○○○	其他想法? Other ideas?
零售空间/售货亭 Retail spaces/kiosks ○○○	艺术或文化展览 Art or cultural exhibitions ○○○	
社区节庆 Community celebrations ○○○	锻炼课程 Exercise classes ○○○	室外夜市 Outdoor night market ○○○
表演 Performances ○○○		



# 联合车站的潜在用途

## Union Station potential uses

您會想看到聯合車站被如何被使用?  
What uses would you like to see in Union Station?

其他想法? Other ideas?

Handwritten notes on the board:

- KEEP FACILITIES TO BEING FUNCTIONAL. SOME THINGS TO SUPPORT COMMERCIAL AFFORDABILITY FOR ALL. OR A BIPOC SUPERMARKET
- A Police presence is a better stop for other small businesses
- LIKE BOSTON FANEUIL HALL OR LIKE SAN DIEGO'S LIBERTY STATION
- PRESERVE Historic Character as much as possible

**SOUNDTRANSIT**

您會想看到聯合車站被如何使用?  
What uses would you like to see in Union Station?

尽可能地保留历史特征  
Preserve Historic character as much as possible

锻炼课程 Exercise classes 交通讯息 Transit information

“即拿即走”的快餐 “Grab and go” dining

**室內集市 Indoor market**

展览 Exhibitions 座位区 Sitting areas  
警务人员 Police presence

咖啡店/茶店 Café/tea shop

社区活动 Community events 零售/餐車 Vending/food carts

音乐 Music 声学效果更好，功能更适用。支持BIPOC商店可支付的空间  
Better acoustics, more functional. Other spaces to support commercial affordability for BIPOC businesses

表演 Performances

其它小型企业 Other small businesses 致力于亚洲艺术的艺术中心（电影、戏剧）  
Art center dedicated to Asian arts (films, theater)

像波士顿Faneuil Hall或圣地亚哥的Liberty Station一样  
Like Boston Faneuil Hall or San Diego's Liberty Station

Online Survey Results 網絡調查結果

# 广场潜在用途

## Plaza potential uses

您會想如何利用這個廣場?  
How would you like the plaza to be used?

室外餐飲/食物 Outdoor dining/food

零售空間/售貨亭 Retail spaces/kiosks

社區節慶 Community celebrations

表演 Performances

自動售貨機 Vending carts

藝術或文化展覽 Art or cultural exhibitions

鍛煉課程 Exercise classes

室外夜市 Outdoor night market

INTERGENERATIONAL use of space / facilities

Add Asian (Chinese) characteristics as per ISRD

SOUNDTRANSIT

您會想如何利用這個廣場?  
How would you like the plaza to be used?

Online Survey Results 網絡問卷結果

具有亞洲特色的多元文化农贸市场  
Multicultural farmers market (Asian specialty)

室外餐饮/食物 Outdoor dining/food

鍛煉課程 Exercise classes 藝術或文化展覽 Art or cultural exhibitions

零售空間/售貨亭  
Retail spaces/kiosks

室外夜市  
Outdoor night market

自動售貨機 Vending carts 社區節慶 Community celebrations

適合各年齡段使用的設施 Intergenerational use of plaza space/facilities

表演 Performances 根据国际特别审查区 (ISRD) 的指导，增设具有亚洲特色的设计  
Add Asian (Chinese) design characteristics as per International Special Review District (ISRD)

# 广场潜在便利设施

## Plaza potential amenities

您希望在这个广场上看到什么设施?  
What amenities would you like to see in the plaza?

**園境設計 Landscaped areas**

**公共藝術 Public art**

**放置自行車的地方 Places for bicycles**

**社區介紹的訊息 Neighborhood information**

**行人導向標示 Wayfinding signs**

**座位區 Sitting Areas**

**路燈 Overhead lights**

**其他想法? Other ideas?**

Multilingual signs

Pretty lights - string fairy

REMOVE ALL SEATING... DRUG USERS LOVE THE CURRENT SEATING AREA

**SOUNDTRANSIT**

您希望在这个广场上看到什么设施?  
What amenities would you like to see in the plaza?

Online Survey Results 网络问卷结果

社区介绍的讯息 **Neighborhood Information**

行人导向标示 **Wayfinding signs**

多语言标示 **Multilingual signs**      放置自行车的地方 **Places for bicycles**

**座位区 Sitting areas**

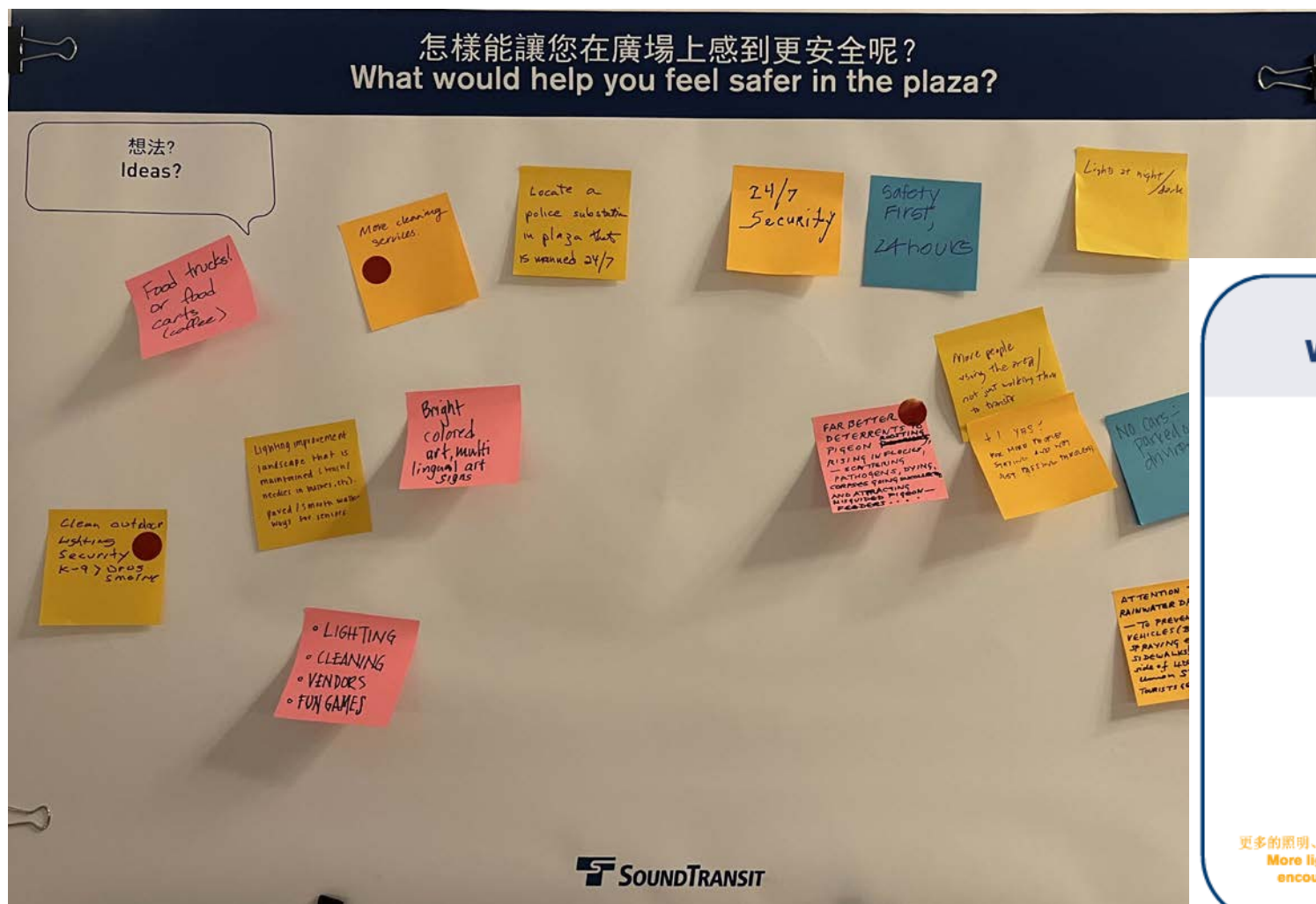
**公共艺术 Public art**

**园境设计 Landscaped areas**

**路灯 Overhead lights**      漂亮的灯——串联的仙女灯 **Pretty lights - string fairy lights**

# 广场公共安全

## Plaza public safety



怎样能让您在广场上感到更安全呢?

What would help you feel safer in the plaza?

在广场上设置一个24小时有人当值的警务站

Locate a police substation in plaza that is manned 24/7

晚上入黑要多街灯  
Lights at night/dark

希望有更多人来光临这区/不只是走过的游客

More people visiting the area/  
not just walking through to tourist

有24小时的安全感  
Safety first, 24 hours

一个熙熙攘攘的社区，人们在吃饭、社交和放松  
A bustling community; people eating, socializing and relaxing

更多的照明、食品车和现场表演，鼓励更多有组织的入夜后活动  
More lighting, food carts and live performances to encourage more organized after dark activities

安全摄像机  
Security cameras

紧急电话  
Emergency phones

# 定位活动

## Locating activities

## 研讨会二和三 定位活动

## Workshop #2 & #3 Locating activities

**联合车站和广场周边活动构想**  
**Union Station and plaza activation**

**活动 Events**  
“快闪”活动 Pop-ups

**室内“快闪”活动**  
Indoor pop-ups  
室内活动 Events

**座位区 Seating**

**公共艺术 Public art**  
园林景观 Landscaping  
行人导向标示 Wayfinding

**自行车停放区 Bicycle parking**

**室内座位区 Seating**

**公共艺术 Public art**  
园林景观 Landscaping

**公共艺术 Public art**  
园林景观 Landscaping  
座位区 Seating

Uwajimaya  
Chinatown Gate  
International District Chinatown Station  
Union Station  
King Street Station  
Sounder Station Entrance

8th Ave S  
4th Ave S  
Jackson St

139029

构想的活动和地点是根据公众参与的反馈，包括两个研讨会和网络问卷。  
Potential activities and locations are based on input from public engagement process including two workshops and online survey.

**SOUNDTRANSIT**

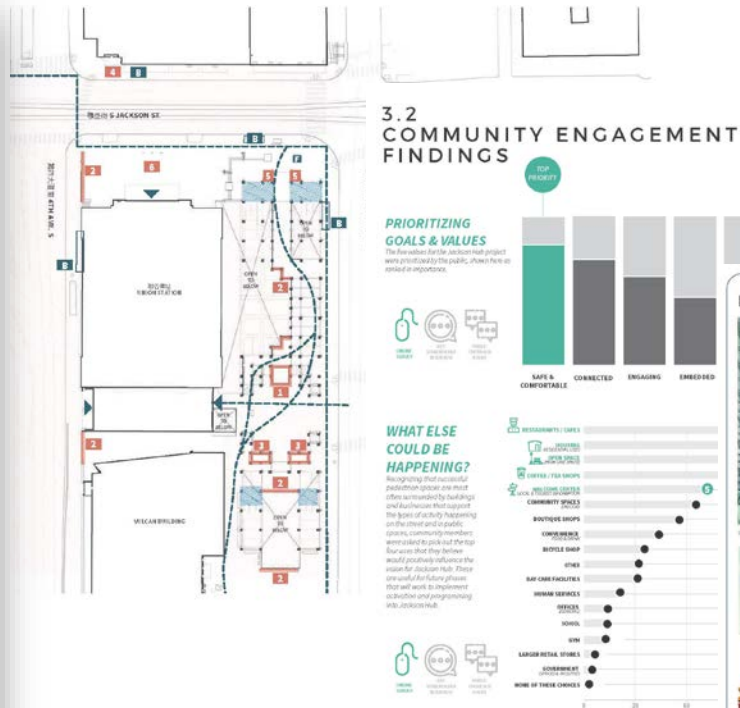
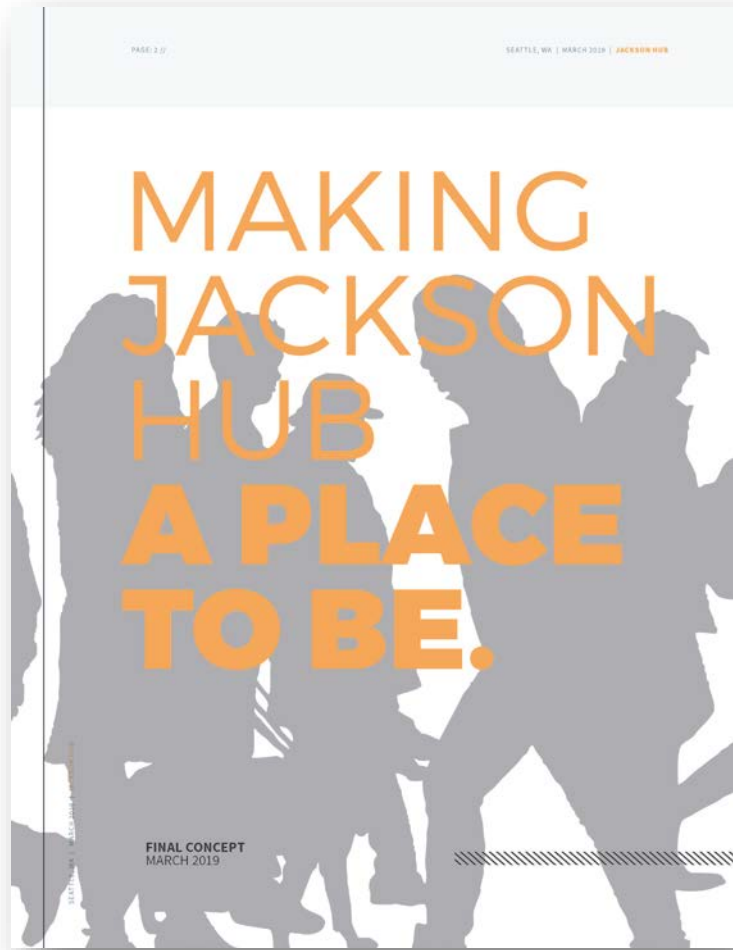
你希望在广场上和联合车站内设置以下的项目？  
Where would you like to see these uses on the plaza and in the Union Station?

139029

**SOUNDTRANSIT**

# Jackson Hub 过去的工作

## Jackson Hub past work



PEOPLE PICKED THESE IMAGES SHOWING WHAT THEY WANT TO SEE MORE OF IN JACKSON HUB



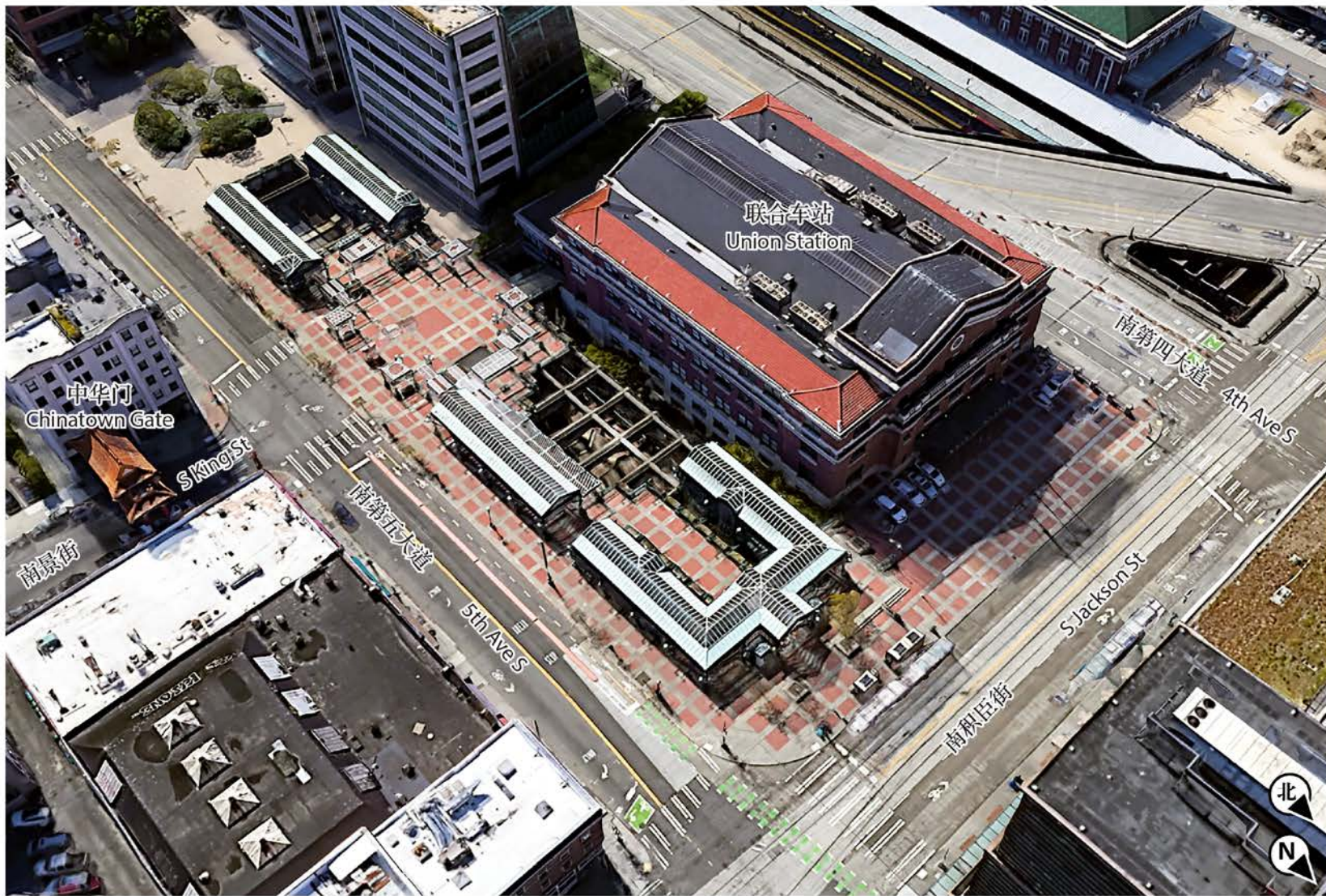
# 激活潜在的愿景

## A potential vision for activation



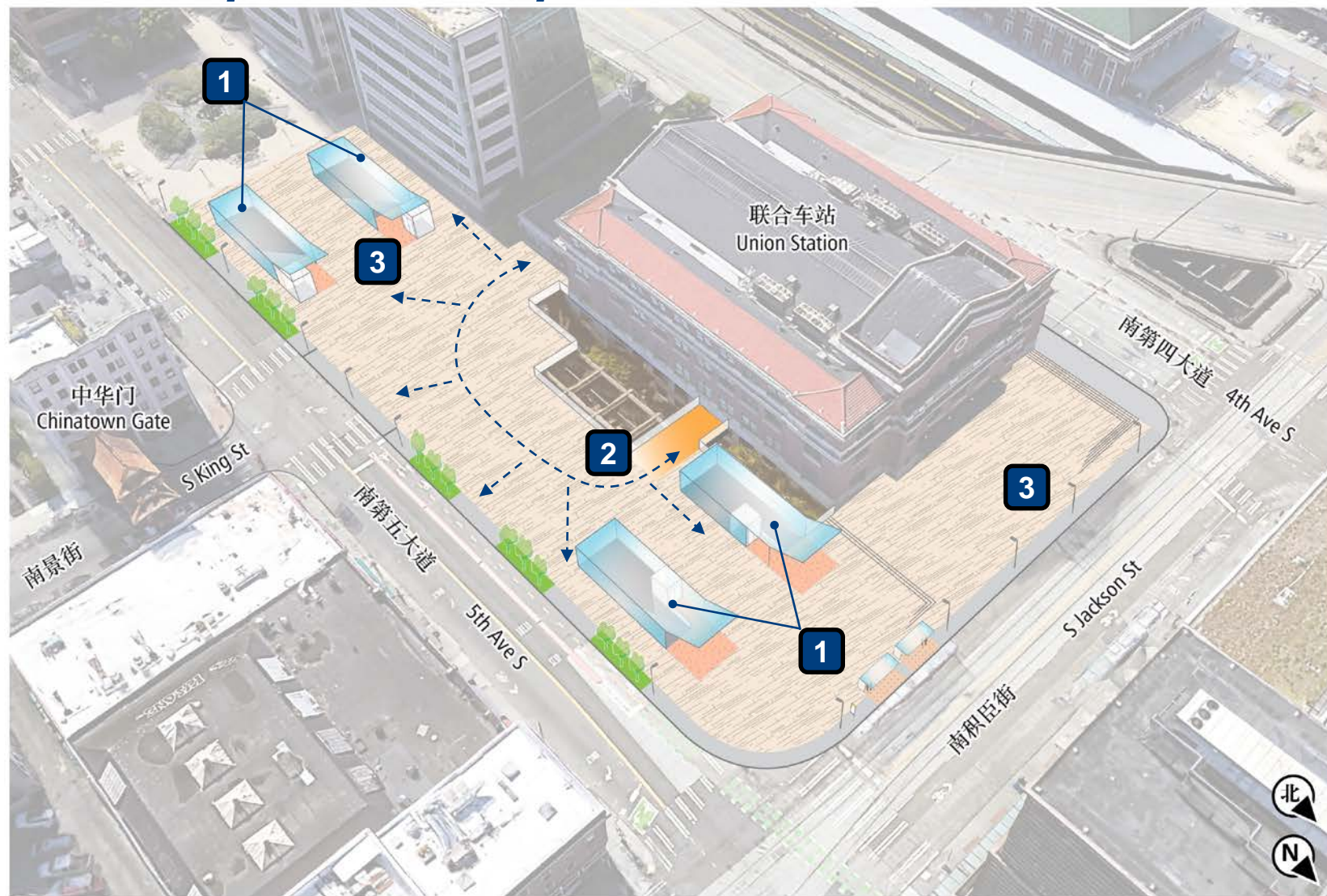


# 现有车站广场 Existing Station Plaza



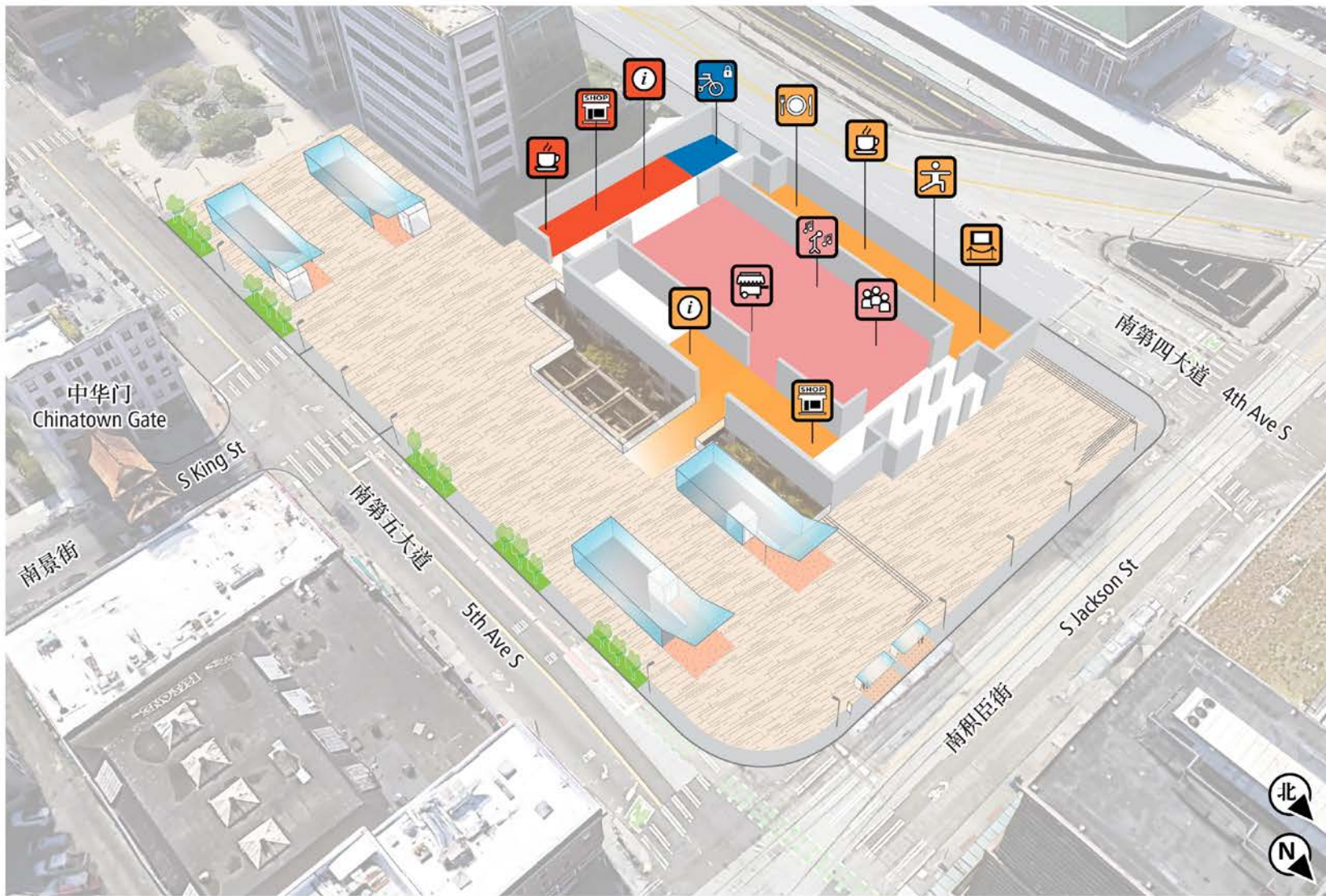
# 新车站广场构思

## Station plaza concept



- 1** 更换车站出入口檐篷  
Replace station entry canopies
- 2** 打通广场并连接到联合车站建筑物东面表面  
Open up plaza and connect into Union Station east facade
- 3** 安装新的统一路面和照明格式  
Install new unified paving and lighting scheme

# 联合车站激活 Union Station activation

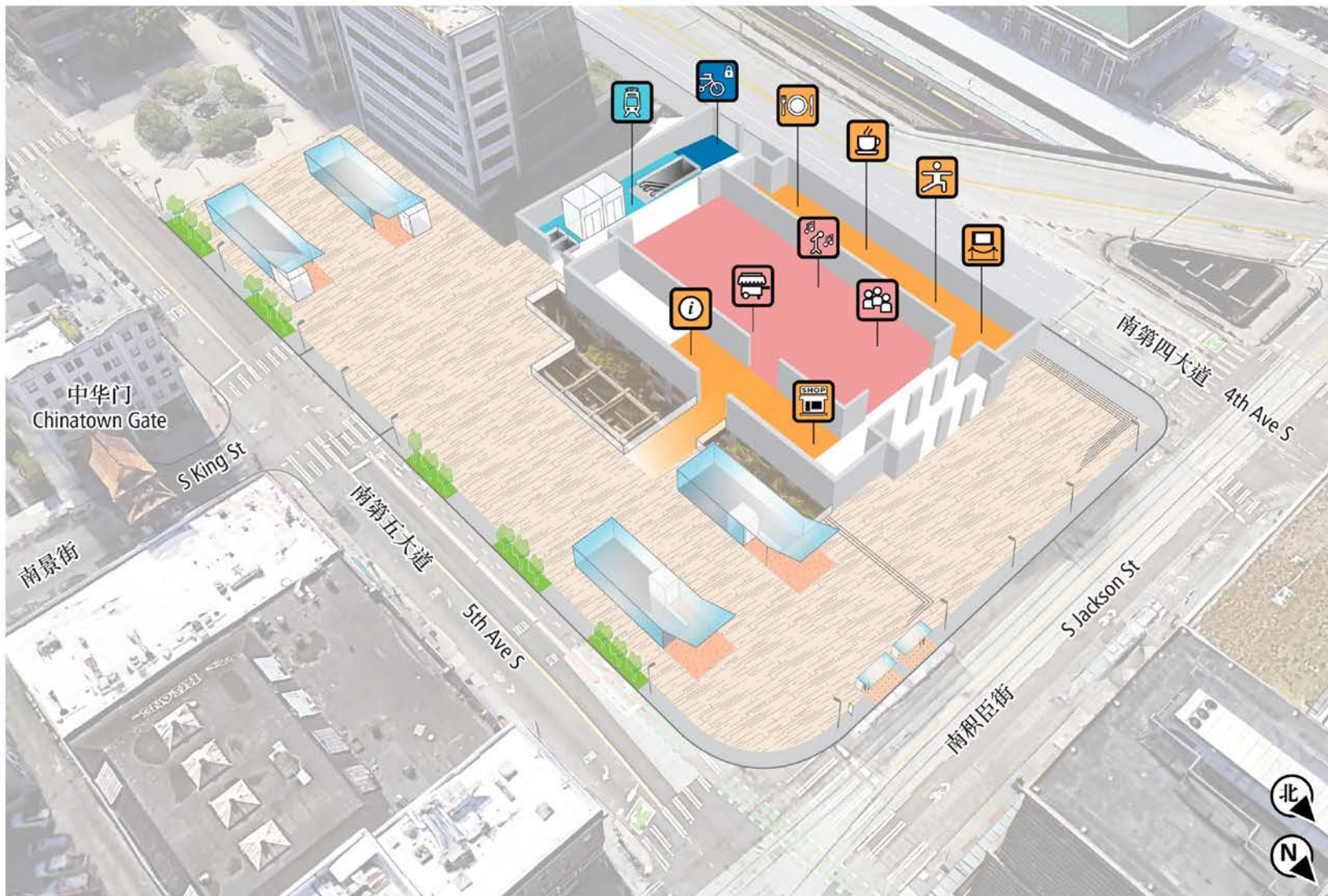


## 联合车站内 Inside Union Station

社区活动 Community events	餐 Dining
音乐/表演 Music/performance	小食/咖啡店 Cafe
零售/餐车 Vending/food carts	活动兴趣班 Classes
公共单车存放处 Public bike storage	展览厅 Gallery
交通询问处 Transit info	快闪活动 Pop-ups
零售处 Retail	询问处 Kiosk
小食/咖啡店 Cafe	

# 联合车站激活—第四大道站出入口

## Union Station activation – with 4th Ave station entrance

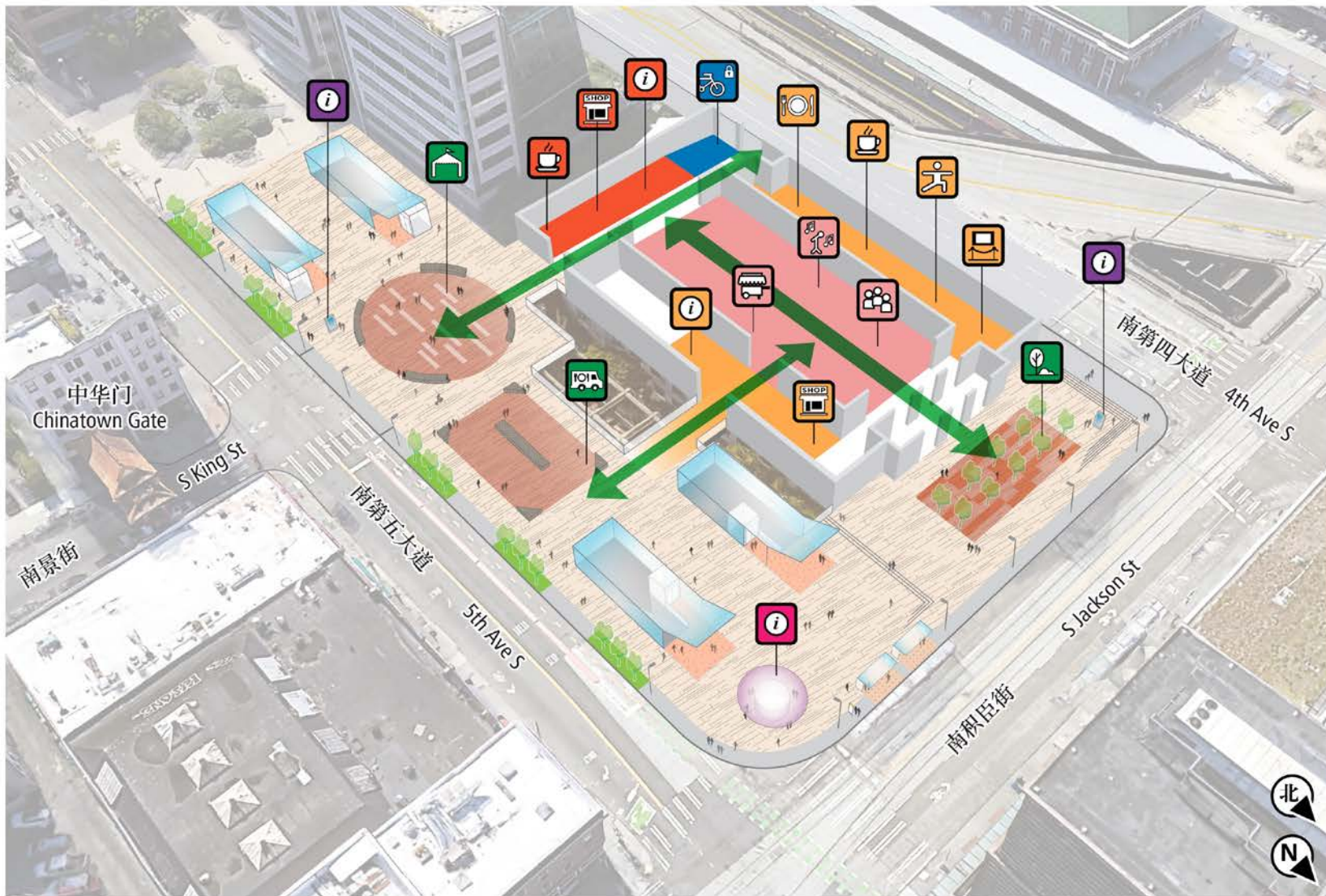


### 联合车站内 Inside Union Station

社区活动 Community events	餐厅 Dining
音乐/表演 Music/performance	小食/咖啡店 Cafe
零售/餐车 Vending/food carts	活动兴趣班 Classes
公共单车存放处 Public bike storage	展览厅 Gallery
第四大道车站出入口 4th Ave station entrance	快闪活动 Pop-ups
	询问处 Kiosk

# 联合车站和广场的概念和用途

## Union Station. plaza concept and uses



### 联合车站内 Inside Union Station

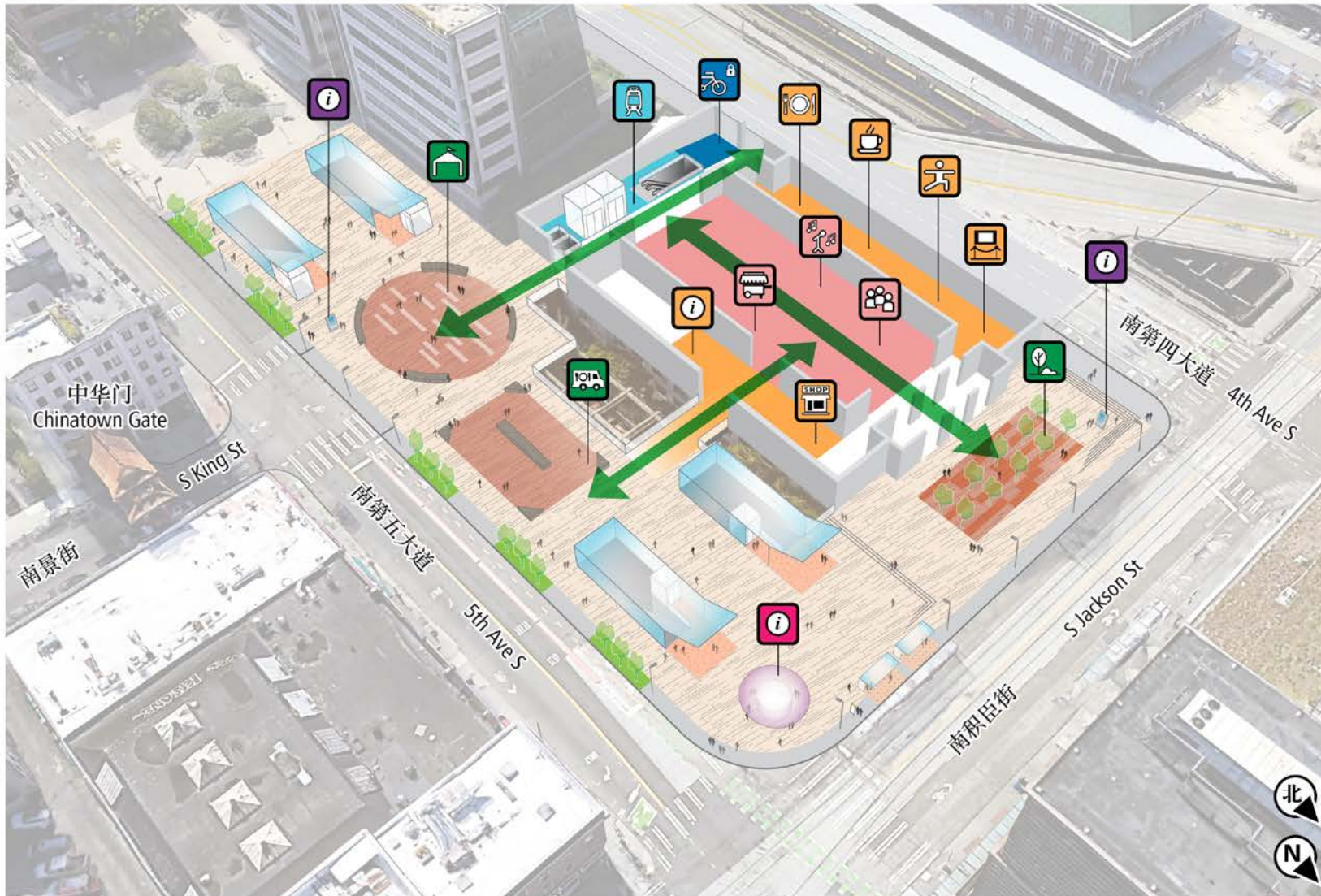
社区活动 Community events	餐 Dining
音乐/表演 Music/performance	小食/咖啡店 Cafe
零售/餐车 Vending/food carts	活动兴趣班 Classes
公共单车存放处 Public bike storage	展览厅 Gallery
交通询问处 Transit info	快闪活动 Pop-ups
零售处 Retail	询问处 Kiosk
小食/咖啡店 Cafe	

### 车站广场 Station plaza

行人导向标示 Wayfinding	季节性市场/饮食/ 座位区 Seasonal market/ food/seating
公用广场/ 园林景观/艺术 Open plaza/ landscape/art	室外活动/表演/ 弹性空间 Events/performance/ flexible space
询问亭(有当席人员) Kiosk (with staff)	

# 聯合車站和廣場的概念和用途 – 第四大道站出入口

## Union Station, plaza concept and uses – with 4th Ave station entrance



### 联合车站内 Inside Union Station

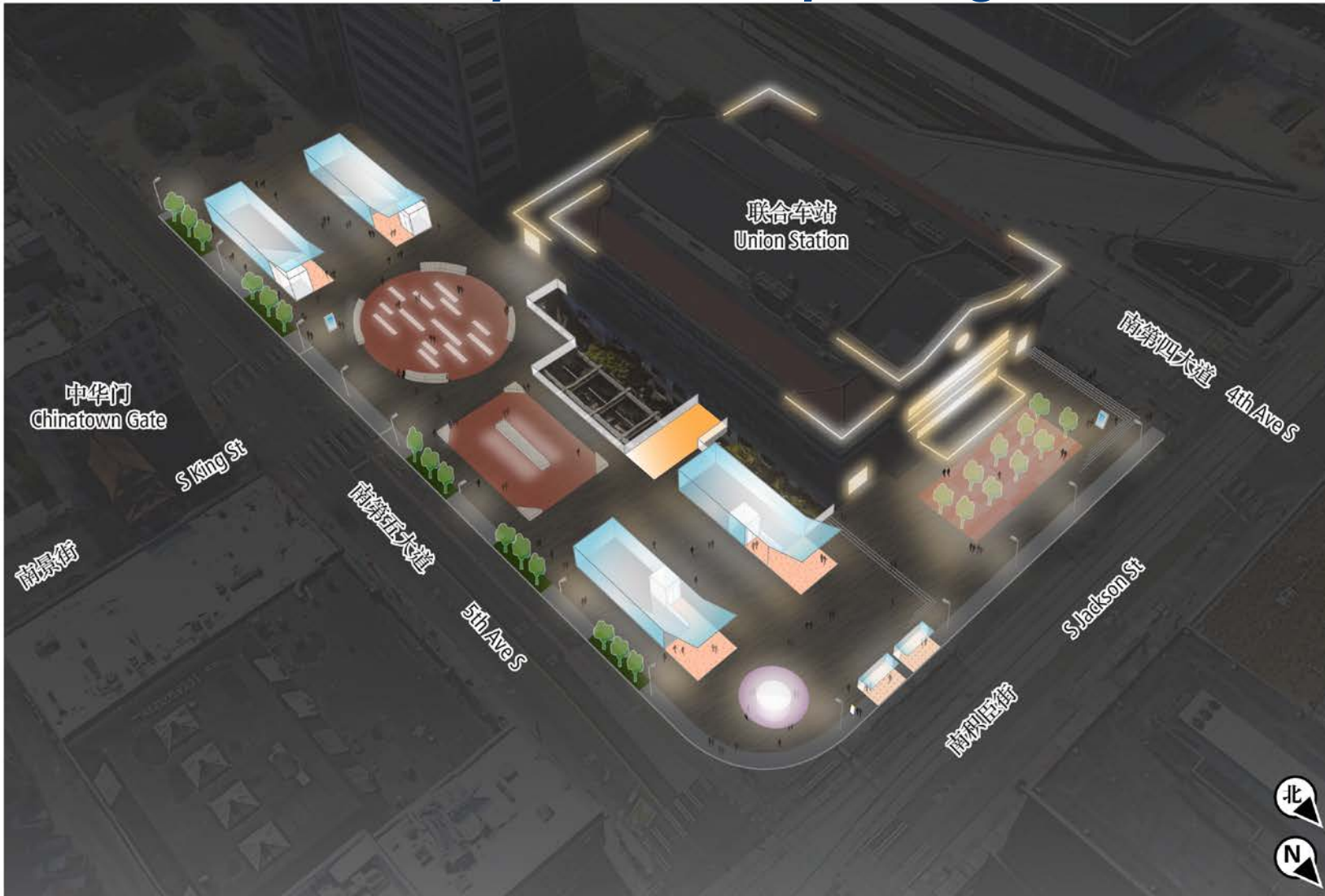
社区活动 Community events	餐厅 Dining
音乐/表演 Music/performance	小食/咖啡店 Cafe
零售/餐车 Vending/food carts	活动兴趣班 Classes
公共单车存放处 Public bike storage	展览厅 Gallery
第四大道车站出入口 4th Ave station entrance	快闪活动 Pop-ups
	询问处 Kiosk

### 车站广场 Station plaza

行人导向标示 Wayfinding	季节性市场/饮食/ 座位区 Seasonal market/ food/seating
公用广场/ 园林景观/艺术 Open plaza/ landscape/art	室外活动/表演/ 弹性空间 Events/performance/ flexible space
询问亭(有当席人员) Kiosk (with staff)	

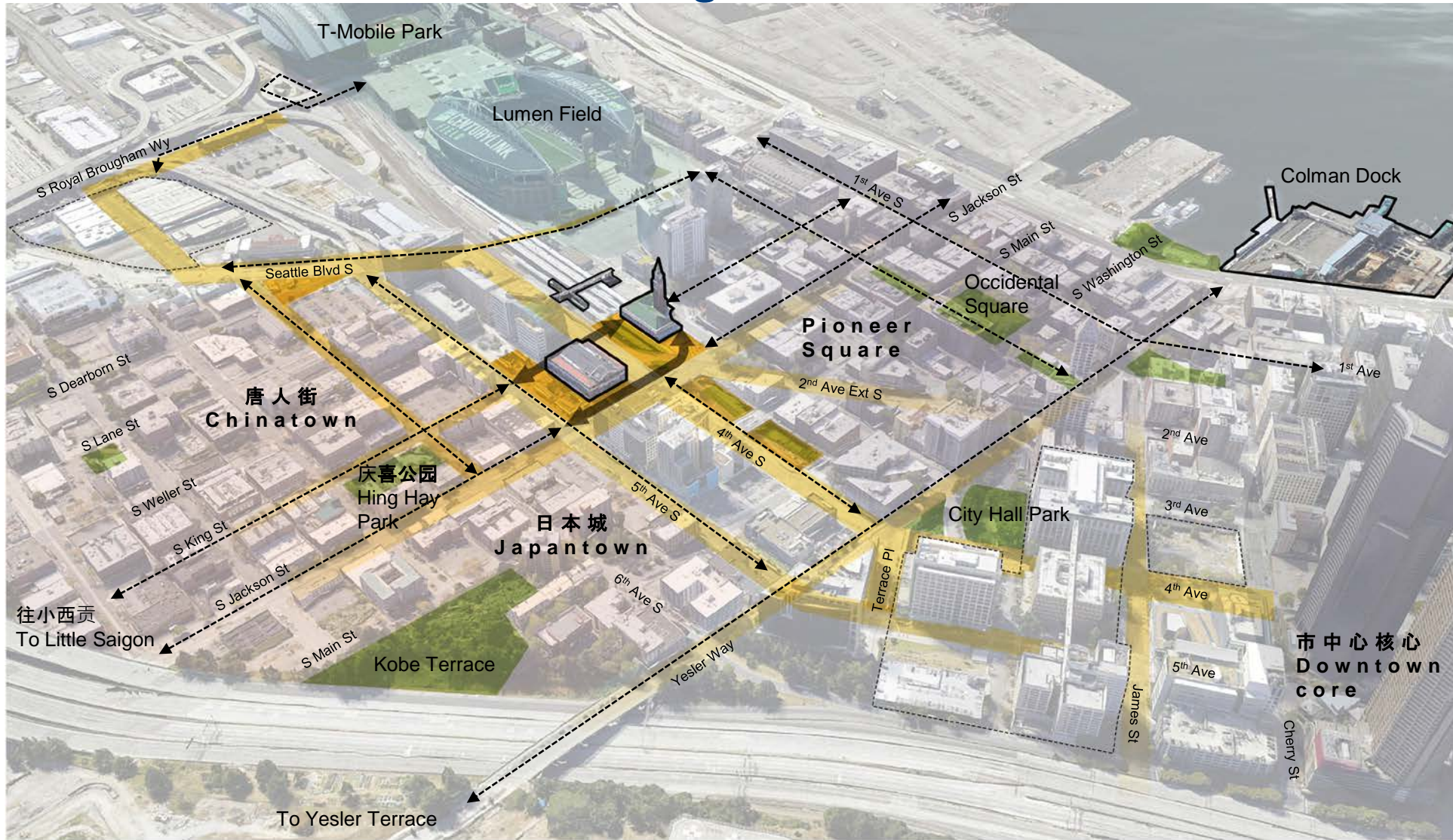
# 联合车站和广场的概念—夜间方案

## Union Station and plaza concept – night scheme



# 历史悠久的车站枢纽和连接社区

## Historic station hub and neighborhood connections



	公共广场 (现有的和潜在的) Public plaza (existing and potential)
	步行街 (现有的和潜在的) Pedestrian-focused street (existing and potential)
	公共公园 Public park
	计划的未来发展 Planned future development
	重点步行路线 Key walking route



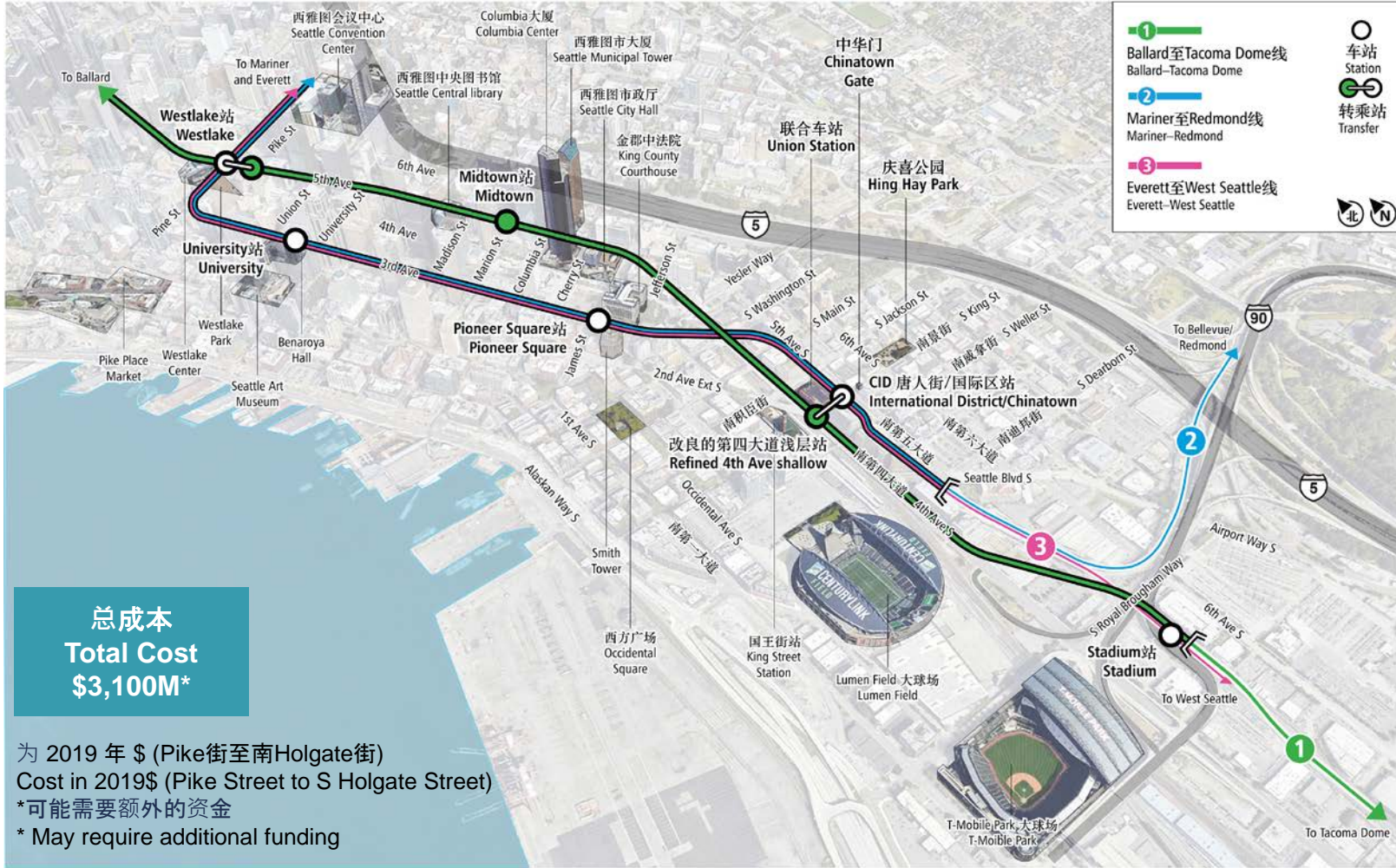
**进一步研究总结：改良的第四大道  
浅层站 + Midtown站**

***Further study summary:***

***Refined 4th Shallow + Midtown***

# 改良的第四大道浅层站 + Midtown站

## Refined 4th Ave Shallow + Midtown



**总成本**  
**Total Cost**  
**\$3,100M\***

为 2019 年 \$ (Pike街至南Holgate街)  
 Cost in 2019\$ (Pike Street to S Holgate Street)  
 \*可能需要额外的资金  
 \* May require additional funding

### 载客量和乘客体验

#### Ridership and passenger experience

一号线在三个车站上的每日登车人次总和  
 Total 1 Line daily boardings at 3 stations

**55,000 乘客**  
**passengers**

第四大道浅层站换乘时间  
 Transfer time at 4th Ave Shallow

**3分 10 秒**  
**3m 10s**

车站深度 Station Depth

Midtown 站 Midtown  
 第四大道浅层站 4th Ave Shallow

**195-205 英尺 feet**  
**80 英尺 feet**

### 社区和区域交通连接

#### Community and regional access

庆喜公园往SeaTac/机场站  
 Hing Hay Park to SeaTac/Airport Station

**39 分钟 minutes**

西方广场往SeaTac/机场站  
 Occidental Square to SeaTac/Airport Station

**46 分钟 minutes**

Bellevue 市中心站往  
 Columbia City站  
 Downtown Bellevue to Columbia City

**41 分钟 minutes**

# 第四大道淺層方案 - 施工要點與支援策略

## 4th Avenue Shallow - construction key findings and supporting strategies

### 要點 Key finding

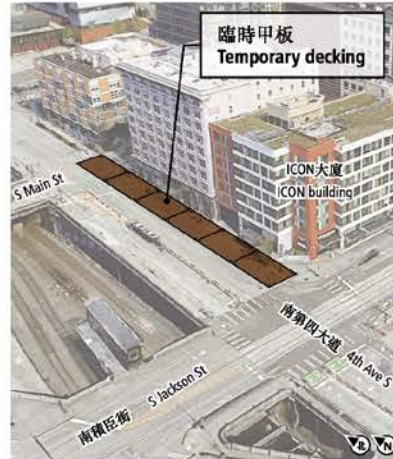
1

可將ICON居民遷移期間從4年減少到兩次，每次為期2個月  
ICON displacements can be reduced from 4 years to two 2 months periods

#### 支援策略 Supporting Strategies

1a

在第四大道安裝臨時甲板，允許地下施工繼續進行  
Install temporary decking on 4th Avenue to allow construction below grade to continue



### 要點 Key finding

3

第四大道部分車道關閉時間可縮短近1年  
Reduction in duration of partial closure on 4th Avenue by 1 year

#### 支援策略 Supporting Strategies

3a

分段施工放棄採用臨時甲板，為第四大道高架橋建造永久結構  
Stage construction without temporary decking. Build permanent structure for 4th Ave viaduct



### 要點 Key finding

2

通過一系列策略可減少施工時的噪音和空氣質量影響  
Reduction in noise and air quality construction effects through a range of strategies

#### 支援策略 Supporting Strategies

2a

盡量減少空氣質量影響的措施（包括覆蓋卡車裝載、卡車引擎空轉限制、車輪清洗等）  
Measures to minimize air quality impact (cover truck loads, truck idling restrictions, wheel washing, etc.)

2b

盡量減少噪音影響的措施（隔音屏障，盡可能讓嘈雜的設備和活動遠離噪音敏感地點等）  
Measures to minimize noise impact (noise barriers, keep noisy equipment and activities away from noise-sensitive locations as much as possible. etc.)



### 要點 Key finding

4

可減少對BNSF鐵路的潛在影響，但將建設工期延長1年  
Reduction in potential impacts to BNSF, but lengthens construction duration by 1 year

#### 支援策略 Supporting Strategies

4a

使用不同的施工方法來支撐開挖牆（例如改用割線樁牆而不採用泥漿牆）  
Use different construction method for support of excavation walls (such as secant pile walls instead of slurry walls)



# 第四大道淺層方案 - 交通要點與潛在策略

## 4th Avenue Shallow - traffic key findings and potential strategies

### 要點 Key finding

1

大量行駛交通需要繞道到其他地方  
Substantial traffic would need to divert elsewhere

#### 潛在策略 Potential Strategies

- 1a 將行駛交通轉移到其他道路，例如 SR 99、I-5、Alaskan Way和第一大道  
Divert traffic to other roadways such as SR 99, I-5, Alaskan Way, and 1st Ave
- 1b 探索增加繞行路線交通流量的潛力  
Explore potential to add capacity to detour routes
- 1c 探索建造臨時 I-5 逆流車道想法以舒緩繞行路線上增加的行駛交通  
Explore ideas such as creating a temporary I-5 contraflow lane to accommodate increased traffic on detour routes
- 1d 提供交通信息，乘搭其他交通工具改動的資訊，和增強使用其他交通工具服務  
Provide information, access, and enhancement to other modes

### 要點 Key finding

2

巴士路線和街車服務將受到影響  
Transit routes and streetcar service would be impacted

#### 潛在策略 Potential Strategies

- 2a 指定一條巴士專用的走廊（即第五大道）以保持巴士服務速度並提供CID唐人街-國際區巴士服務  
Designate a dedicated transit corridor (i.e., 5th Ave) to maintain transit speeds and provide access to CID

### 要點 Key finding

3

行人繞路會增加步行時間5-10分鐘  
Detours could add 5-10 minutes to walk time

#### 潛在策略 Potential Strategies

- 3a 辨認行人繞行路線  
Identify pedestrian detour routes
- 3b 興建臨時行人道和行人過馬路橫道，方便行人出行  
Construct temporary pathways and crosswalks to facilitate pedestrian travel
- 3c 在威拿街人行天橋關閉期間探索替代行人通道  
Explore alternative pedestrian pathway while Weller St Bridge is closed

### 要點 Key finding

4

如果不採取緩解措施，高峰時段可能會有 160-180 輛車分流到CID唐人街-國際區裡  
Without mitigating measures, an additional 160-180 vehicles may divert into CID neighborhood during peak hour

#### 潛在策略 Potential Strategies

- 4a 將CID唐人街-國際區內部分區域指定為商業和當地人出入的專用區  
Designate portion of CID as business and local access only zone
- 4b 探索限制行駛穿過交通的方法，例如轉彎限制和/或交通分流  
Explore ways to limit through traffic, such as turn restrictions and/or traffic diverters

### 要點 Key finding

5

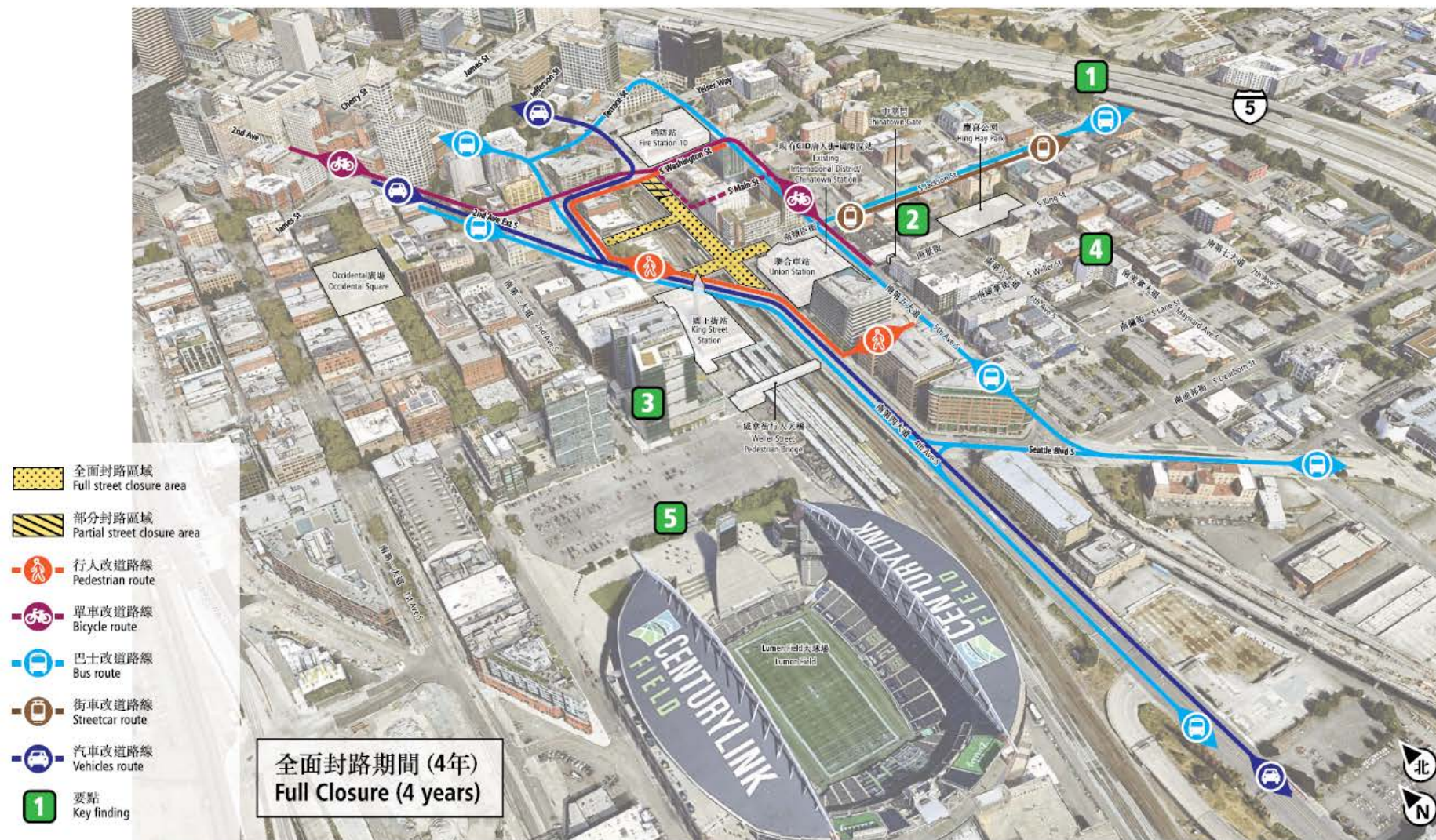
在大型活動期間，多條道路和人行道流量將達至/超出能力負荷  
Multiple roadways and sidewalks would be at/over capacity during large events

#### 潛在策略 Potential Strategies

- 5a 鼓勵使用其他交通模式（其他公共交通工具，多人乘坐私家車，等等）  
Encourage use of other modes (transit, carpool, etc.)
- 5b 在Lumen Field大球場以西和以北提供停車選擇，以防止交通進入CID唐人街-國際區/施工區域  
Provide parking options west and north of Lumen Field to keep traffic out of CID/construction area
- 5c 實施方法以防止私人汽車停泊在CID唐人街-國際區內  
Implement methods to prevent event parking within CID
- 5d 實施比賽日繞行路線和需求管理策略  
Implement game day detour routes and transportation demand management strategies

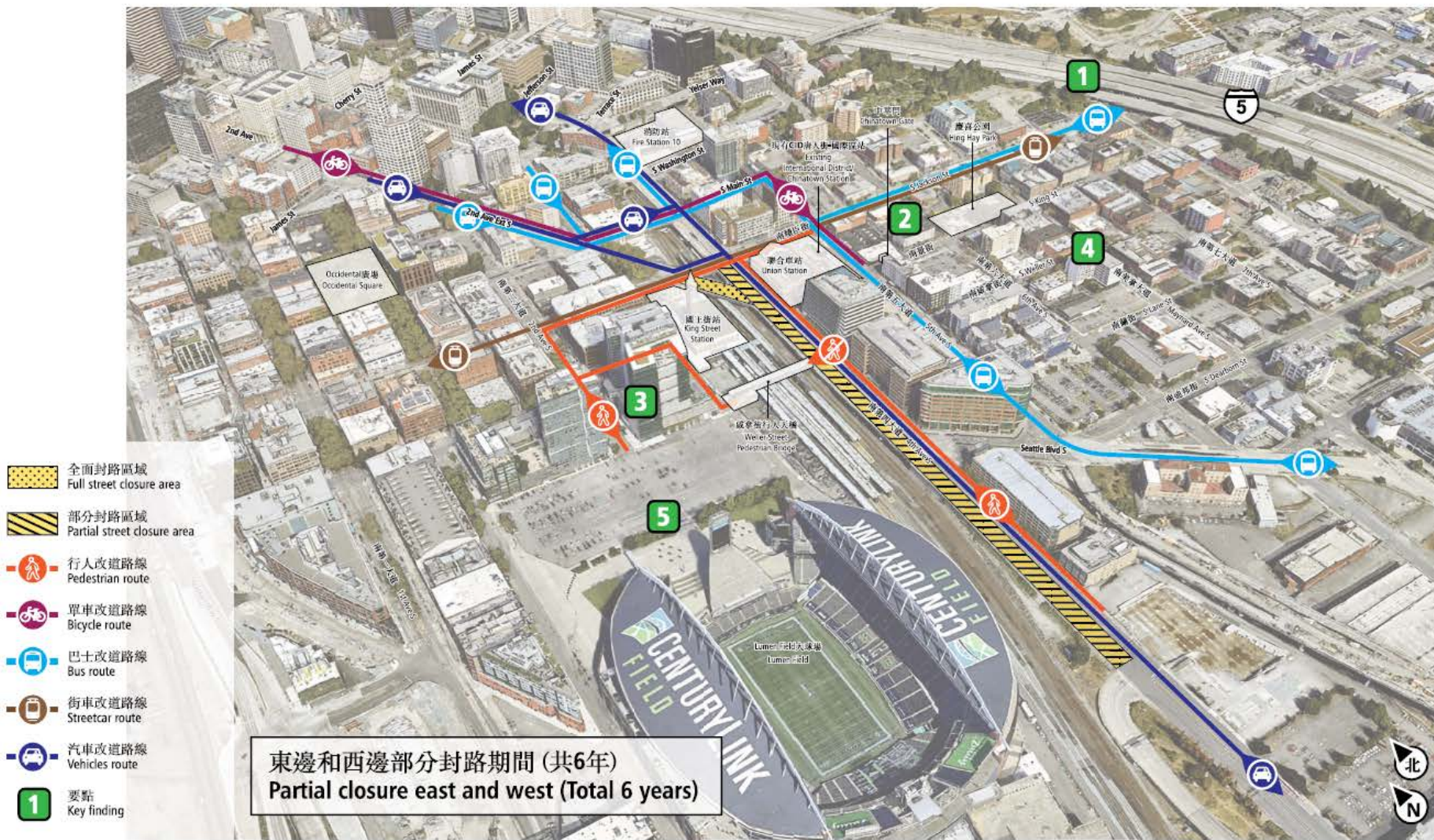
# 第四大道淺層方案 - 全面封路區域和改道路線

## 4th Avenue Shallow - full closure area and detour routes



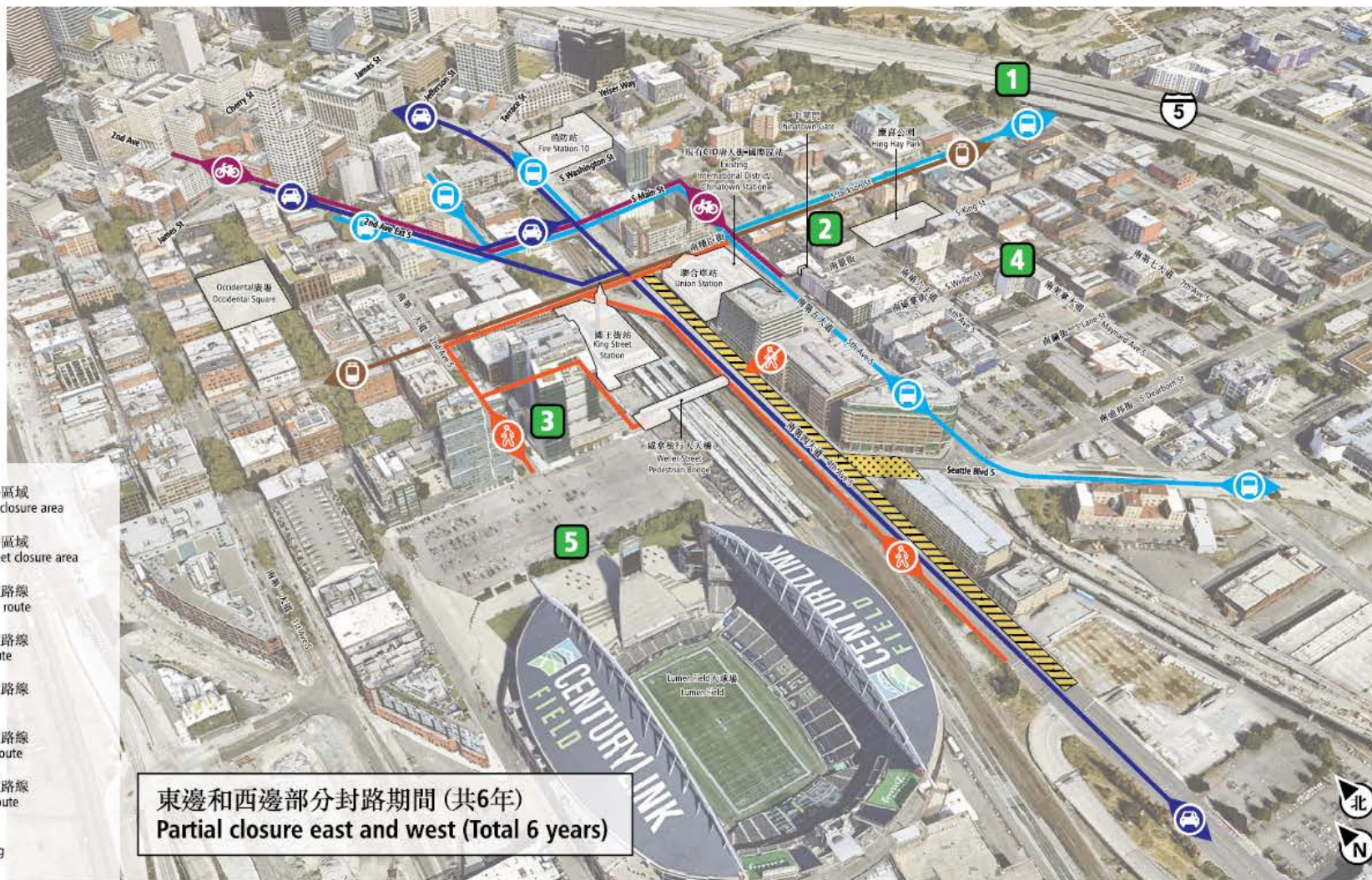
# 第四大道淺層方案 - 部分封路區域(西邊)和改道路線

## 4th Avenue Shallow - partial closure (west) and detour routes



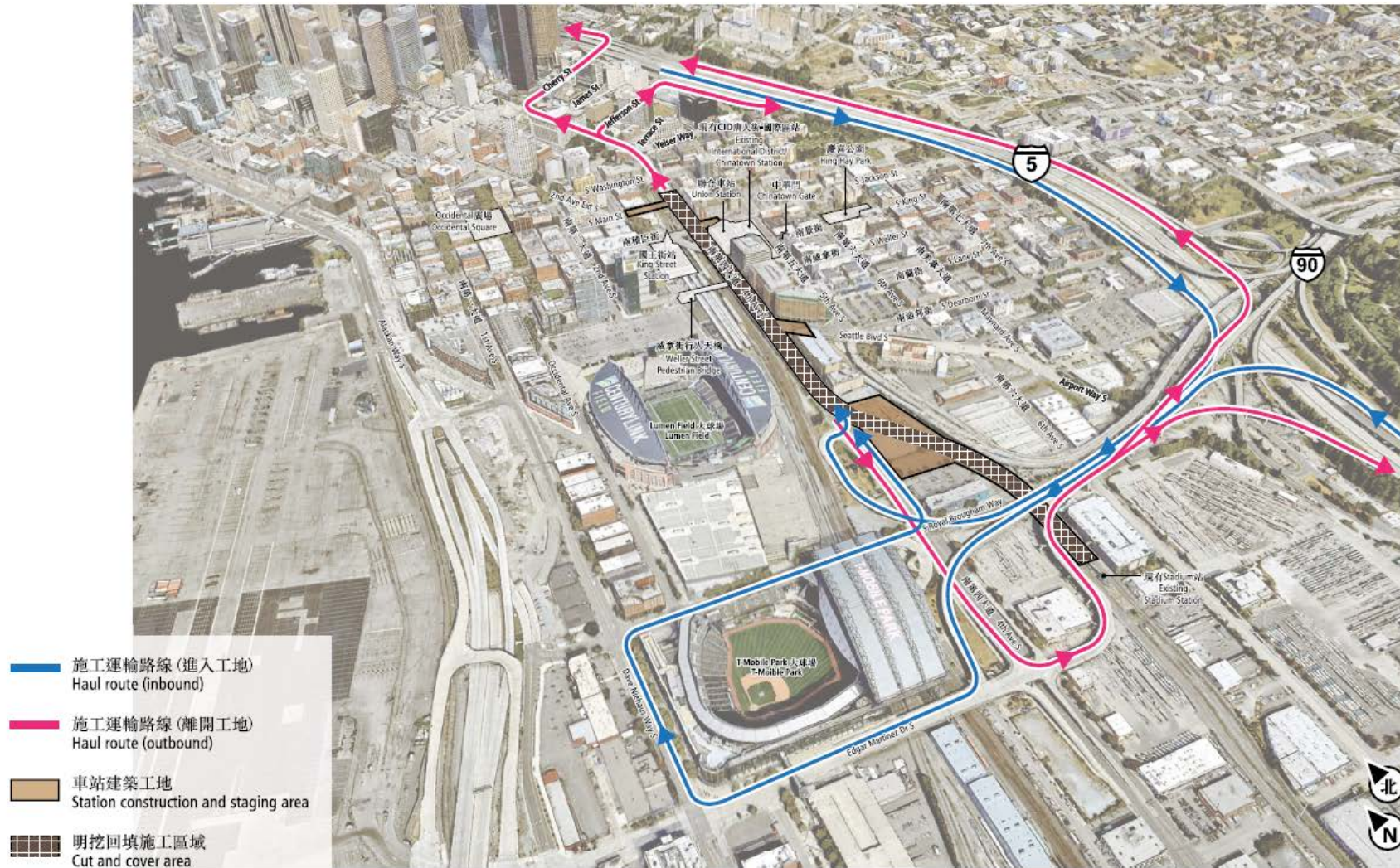
# 第四大道淺層方案 - 部分封路區域(東邊)和改道路線

## 4th Avenue Shallow - partial closure (east) and detour routes



# 第四大道淺層方案 - 車站建築工地和運輸路線

## 4th Avenue Shallow - station construction area and haul routes





# 通风和紧急出口选项 - 第四大道浅层车站方案

## Ventilation and emergency egress options - 4th Ave Shallow station

### 隧道通风的设计和运作

#### Design and operation of tunnel ventilation

车站两端都需要通风

Ventilation needed at both ends of station

轻轨车辆使用电力运作

Light rail vehicles operate using electric power

通风扇仅在紧急情况下启动，以排出隧道内的烟雾

Vent fans would be activated only in emergencies to exhaust smoke from tunnel

通风扇每月短暂运行一次，目的是测试其有效性

Vents are run once a month for a brief period to validate functionality

结构的高度决定在与运作的建筑距离

Structure height determined by proximity to occupied buildings

### 案例 Examples



这个紧急出口位于波士顿的车站结合了凳子和遮阳棚

Incorporating benches and weather protection at a station emergency egress stair in Boston



位于西雅图UW车站的垂直通风口  
Vertical ventilation at UW Station in Seattle



这个波士顿的例子将通风设施与历史建筑结合  
This example in Boston illustrates an example of integrating ventilation with historic building

以上图表展示车站的地点和构造并非按比例绘制，目的仅供参考和说明。

南积巨街北边的两端  
Both north of South Jackson Street

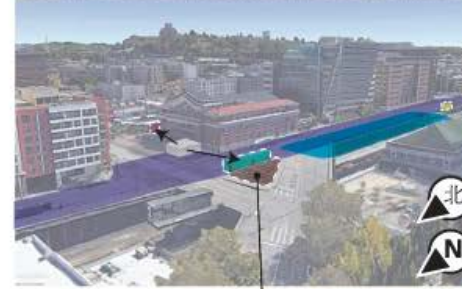


分布于南积巨街的两端  
Split on either side of South Jackson Street

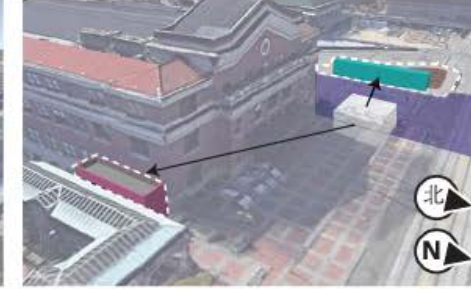


有可能需要在这个位置加一个上盖  
Potential need to add a lid in this location

联合车站的东侧和南积巨街的南端  
East side of Union Station and south of South Jackson Street



有可能需要在这个位置加一个上盖  
Potential need to add a lid in this location



#### 图例 Legend

- 《环境影响报告草案》北部隧道通风和紧急出口位置  
DEIS location for North Tunnel Ventilation and Emergency Egress
- 北部隧道通风  
Ventilation Building - North Tunnel
- 南部隧道通风  
Ventilation Building - South Tunnel
- 北部紧急出口  
Emergency Egress North
- 高架桥更换工程  
Viaduct replacement work
- 车站位置  
Station location

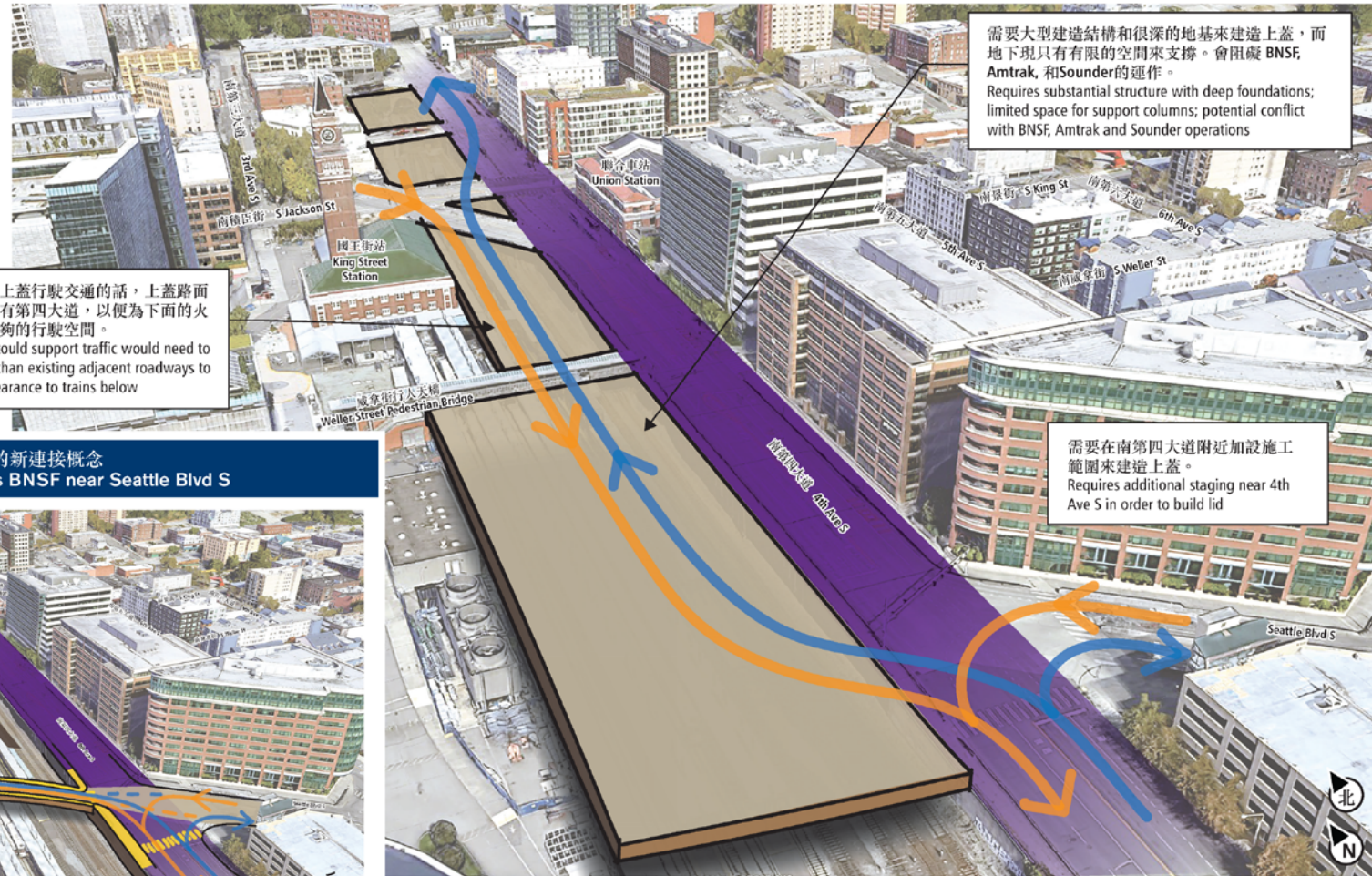


Diagrams are an approximate representation of station location for illustrative purposes only. 11/16/2022

# 《環境影響報告草案》第四大道淺層方案車站加建上蓋概念:社區提出第四大道交通繞道構想

## Lid concept for Draft EIS 4th Shallow station – community proposed 4th Ave traffic detour idea

- 道路工程的界限  
Limits of roadway construction
- 上蓋  
Lid
- 往北行繞道  
Northbound detour
- 往南行繞道  
Southbound detour

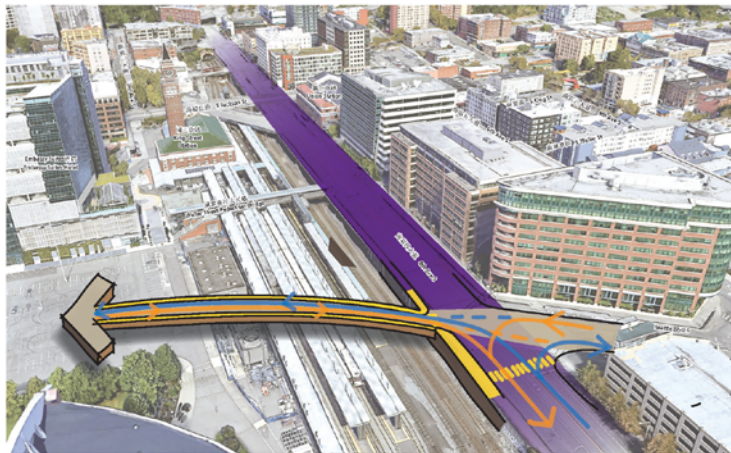


如需要在上蓋行駛交通的話，上蓋路面會高於現有第四大道，以便為下面的火車提供足夠的行駛空間。  
A lid that could support traffic would need to be higher than existing adjacent roadways to provide clearance to trains below

需要大型建造結構和很深的地基來建造上蓋，而地下現只有有限的空間來支撐。會阻礙 BNSF, Amtrak, 和Sounder 的運作。  
Requires substantial structure with deep foundations; limited space for support columns; potential conflict with BNSF, Amtrak and Sounder operations

需要在南第四大道附近加設施工範圍來建造上蓋。  
Requires additional staging near 4th Ave S in order to build lid

### 其他構想: 近Seattle Blvd S橫過BNSF的新連接概念 Other idea: new connection across BNSF near Seattle Blvd S



以上圖表僅展示社區要求的構想，目的只供討論。此構想尚未有作進一步設計。  
Diagram illustrates community-requested concept for discussion purposes only. Concepts have not been engineered.

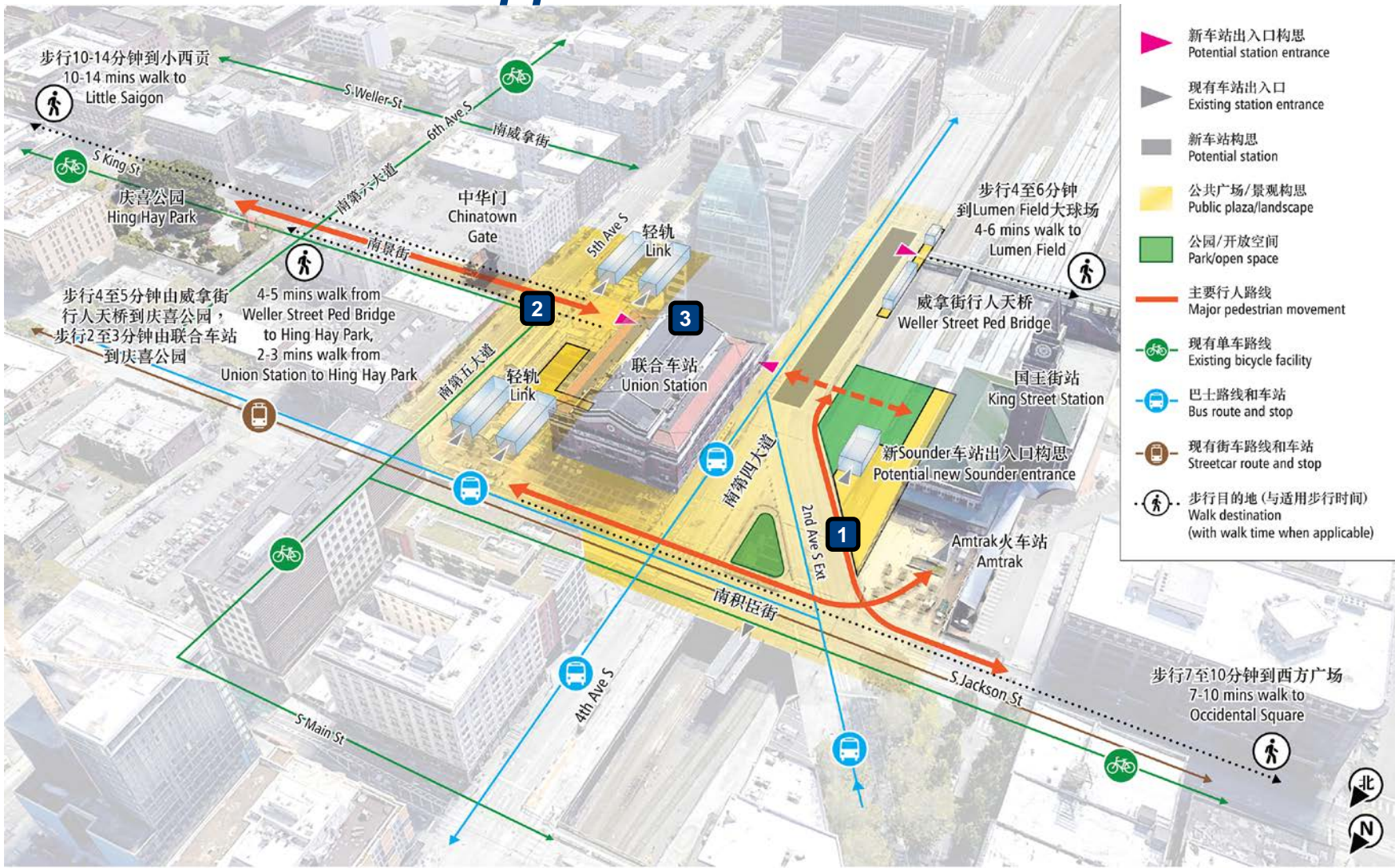


11/16/2022



# 南第四大道浅层: 机遇与问题

## 4th Ave Shallow: opportunities and issues



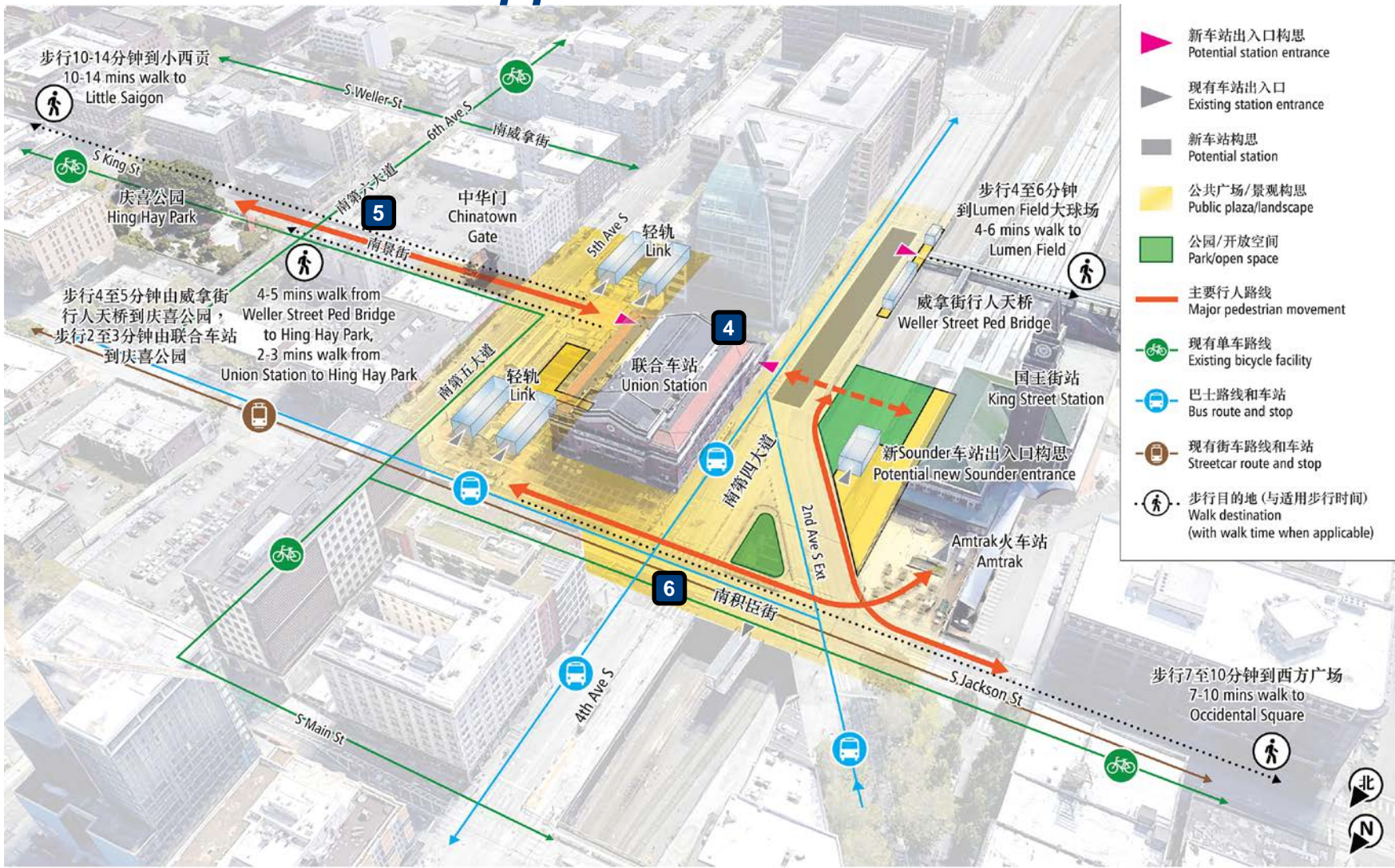
**1** 具有公园空间, Sounder车站出入口和活动空间的潜在上盖  
 Potential lid with park space, Sounder access, and space for activities

**2** 改善和激活广场空间, 创造充满活力的空间, 将社区成员聚集在一起  
 Improve and activate plaza space, to create lively space with uses to bring community members together

**3** 车站大堂出入口将有助于激活联合车站  
 Station entrance in the concourse would help to activate Union Station

# 南第四大道浅层: 机遇与问题

## 4th Ave Shallow: opportunities and issues



**4** 有良好的视线和光线充足的通道和南景街横过南第四大道行人通道

Visible and well-lit pedestrian connection to and across 4th Ave S at S King St

**5** 通过绿色连接/节日街改善社区连接

Improve neighborhood linkage with green connection/festival street

**6** 改善十字路口, 以方便行人过马路和连接先锋广场

Improve intersection to facilitate pedestrian crossings and connection to Pioneer Square

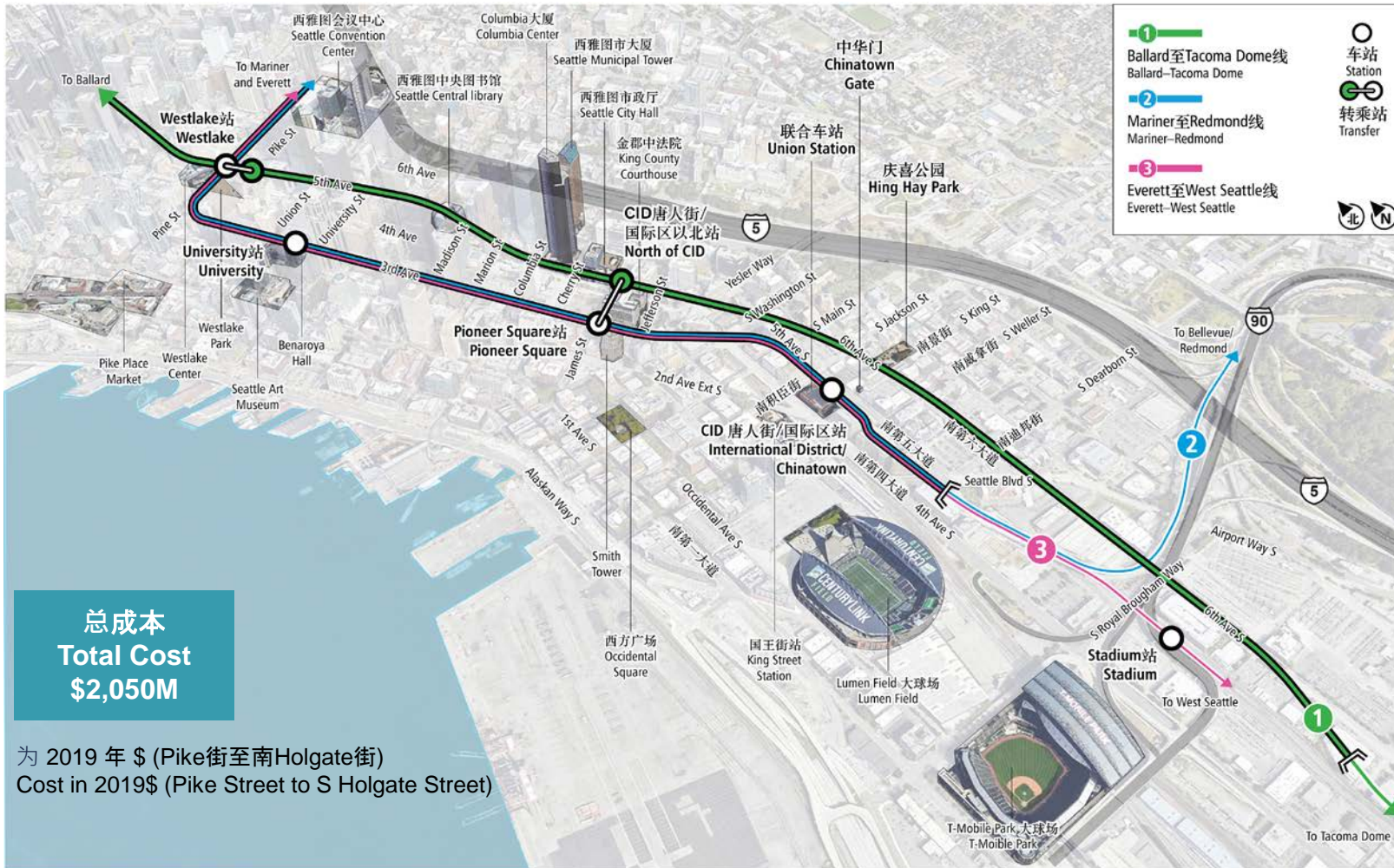
**进一步研究总结:**

**CID唐人街/国际区以北(没有Midtown站)**

***Further study summary:***

***North of CID (No Midtown)***

# CID唐人街/国际区以北 (没有Midtown站) North of CID (No Midtown)



**总成本**  
Total Cost  
\$2,050M

为 2019 年 \$ (Pike街至南Holgate街)  
Cost in 2019\$ (Pike Street to S Holgate Street)

**载客量和乘客体验**  
Ridership and passenger experience

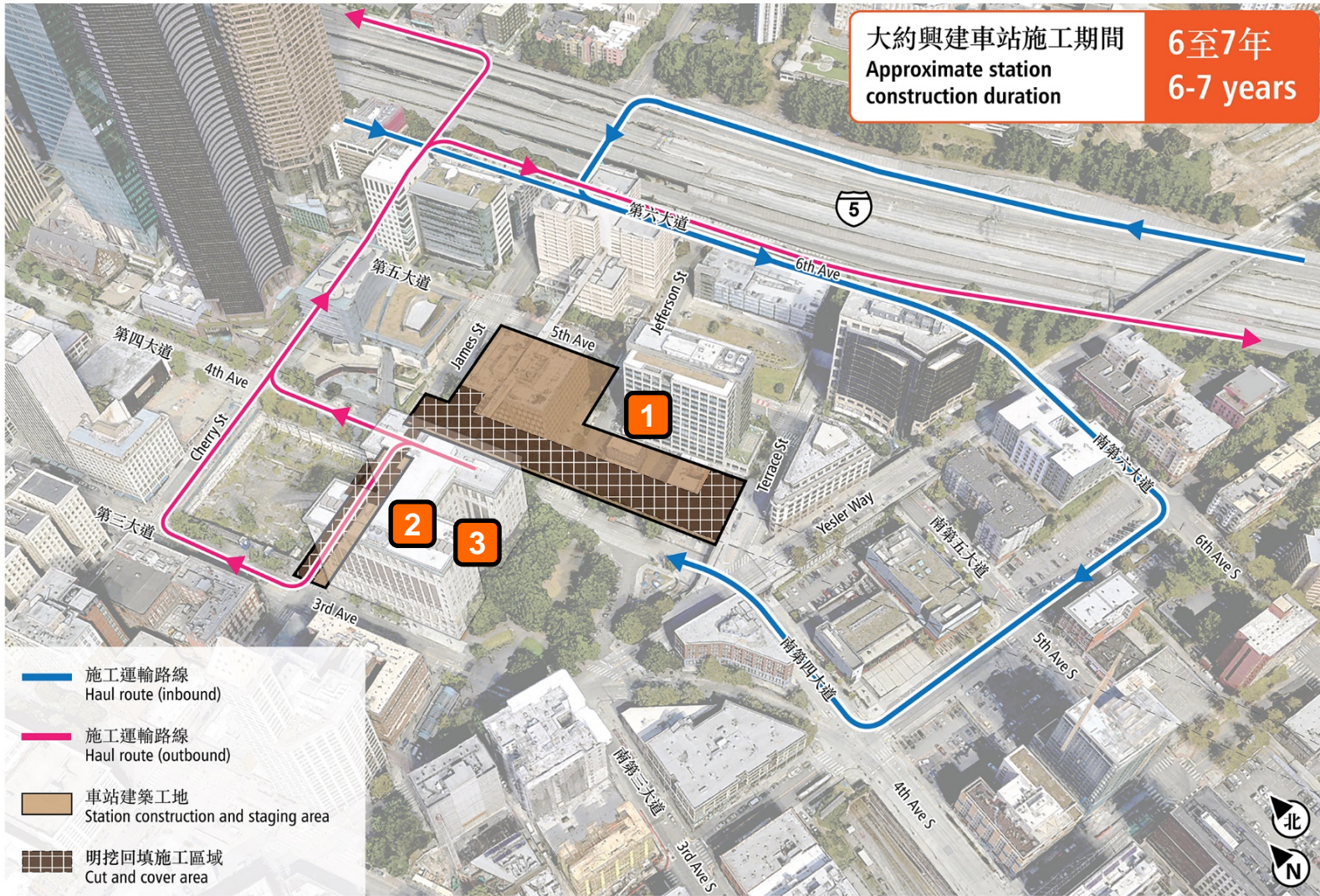
- 一号线在两个车站上的每日登车人次总和  
Total 1 Line daily boardings at 2 stations **51,200 乘客 passengers**
- CID唐人街/国际区以北站换乘时间  
Transfer time at North of CID **3分 15 秒 3m 15s**
- 车站深度  
Station Depth  
CID唐人街/国际区以北站  
North of CID **80-105 英尺 feet**

**社区和区域交通连接**  
Community and regional access

- 庆喜公园往SeaTac/机场站  
Hing Hay Park to SeaTac/Airport Station **44 分钟 minutes**
- 西方广场往SeaTac/机场站  
Occidental Square to SeaTac/Airport Station **45 分钟 minutes**
- Bellevue 市中心站往  
Columbia City站  
Downtown Bellevue to Columbia City **44 分钟 minutes**

# CID唐人街/国际区以北车站:施工时的影响

## North of CID: construction effects



- 1 搬遷金縣行政大樓和其他提供社會服務的建築物, 包括Hotel Reynolds (工作釋放設施)和團體護理之家/公寓  
Displaces King County Administration Building and other buildings that house social services, including Hotel Reynolds (Work Release Facility) & Group Care Home/Apartments
- 2 未發展物業的潛在車站入口機遇, 需要與發展計劃協調  
Opportunity for a potential station entrance at undeveloped property, requires coordination with development plans
- 3 可以暫時將無軌電車從 James St 轉移到附近的走廊(取決於車站格局設計)  
Could temporarily relocate trolley wire buses from James St to nearby corridor (depending on configuration)

# CID唐人街/国际区以北车站:交通影响

## North of CID: traffic effects



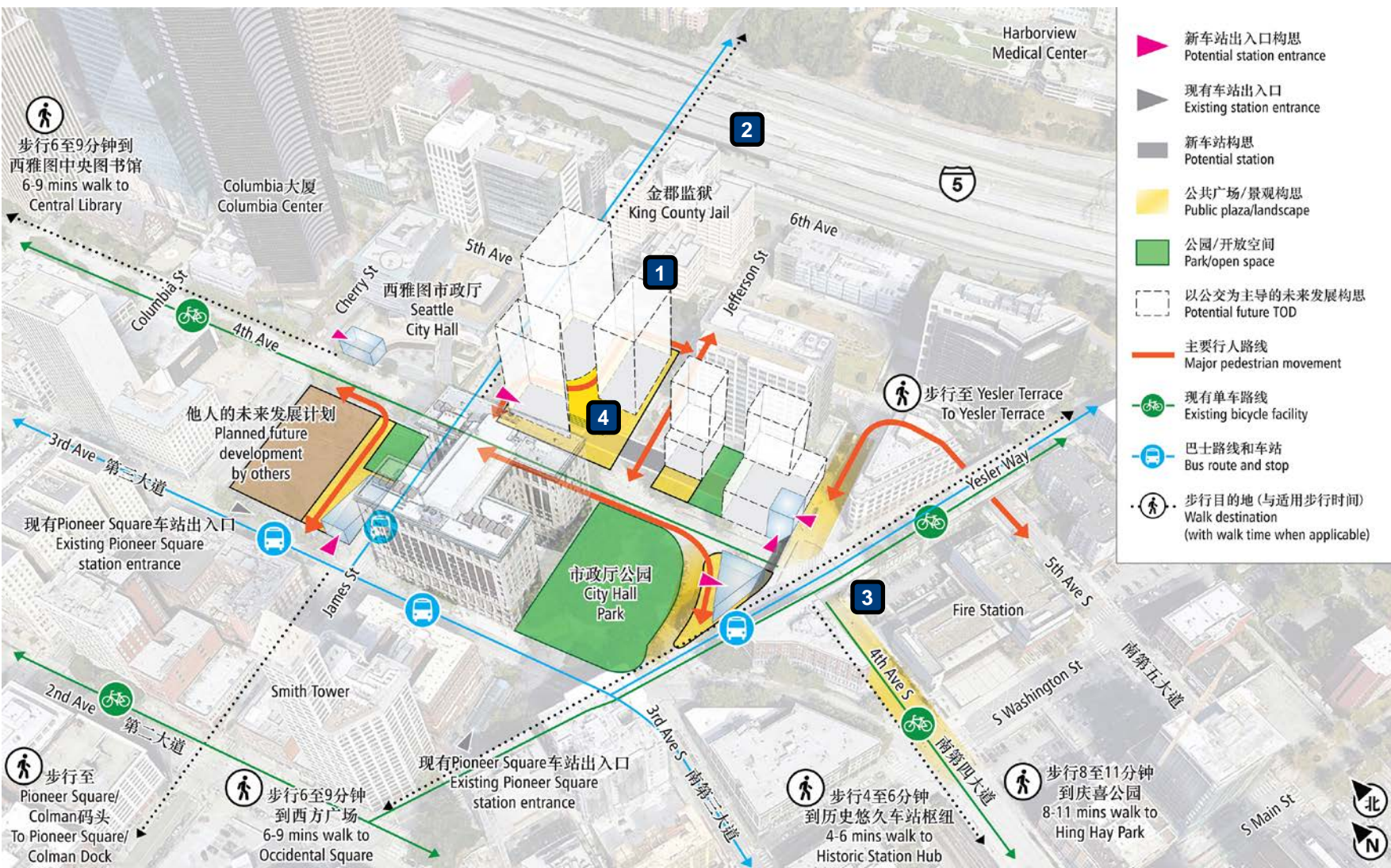
**1** 与现有Pioneer Square站的地下连接走廊建设可能需要关闭第三和第四大道之间的James街, 具体取决于车站格局设计  
Construction of underground connection to existing Pioneer Square station could require closure of James St between 3<sup>rd</sup> and 4<sup>th</sup> Aves depending on configuration

**2** 通过将地下连接走廊移动到私人物业来减少James街关闭的机会  
Opportunity to reduce James Street closure by moving underground connection onto private property



# CID唐人街/国际区以北车站:机遇与问题

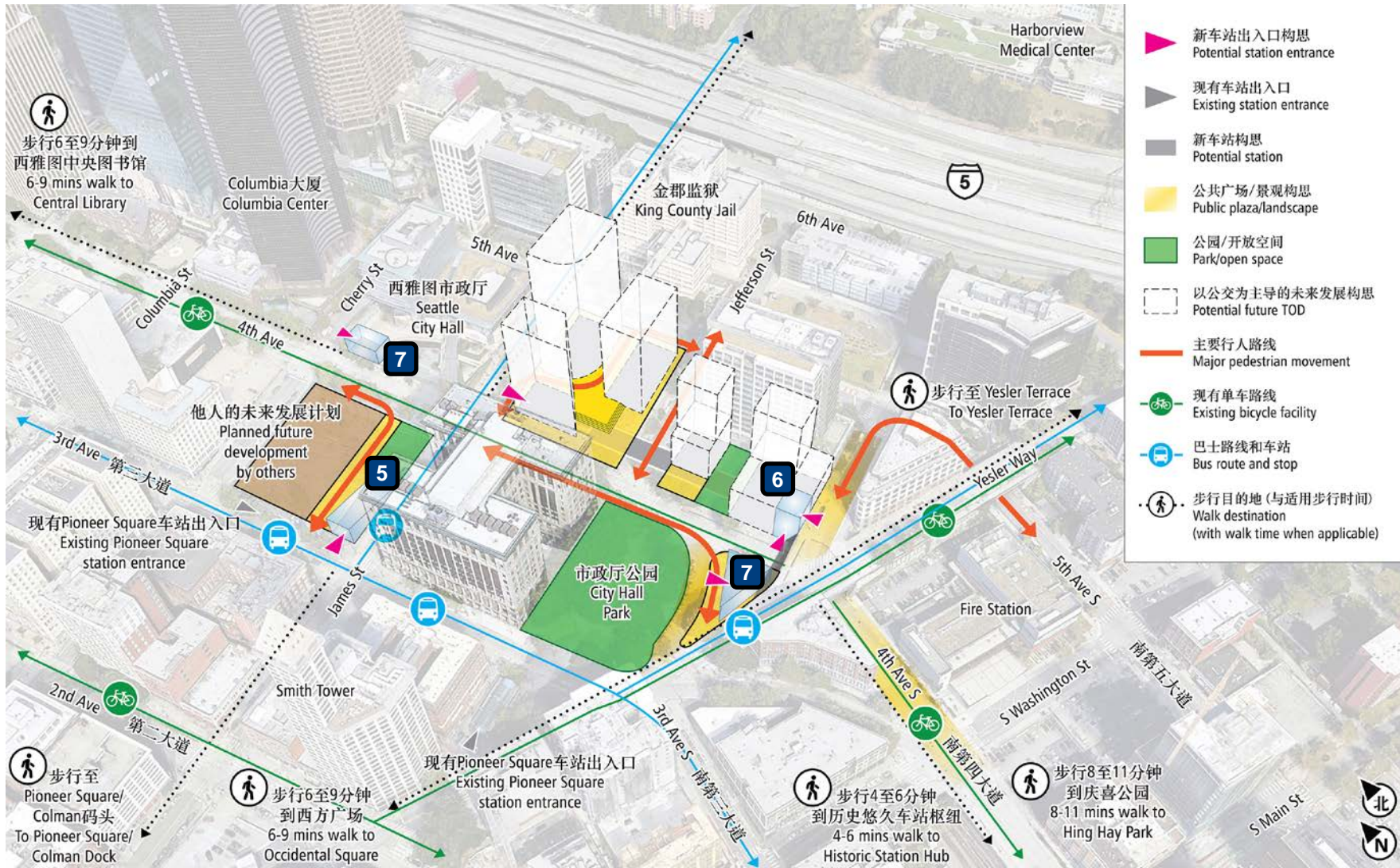
## North of CID: opportunities and issues



- 1** 与金郡合作进行政府设施规划, 重点打造充满活力社区  
 Collaborate with King County on campus planning, focus on creating a vibrant neighborhood
- 2** 横跨I-5到Harborview的额外连接有助于解决高速公路作为障碍的问题  
 Additional connections across I-5 to Harborview to help address the freeway as a barrier
- 3** 提升與CID唐人街/国际区, 以及沿第四大道的历史悠久车站枢纽的连接  
 Improve connection to CID and the historic station hub along 4th Ave
- 4** 车站场地的eTOD, 包括零售、办公室和住房  
 eTOD at station site, incorporating retail, offices, and housing

# CID唐人街/国际区以北车站:机遇与问题

## North of CID: opportunities and issues



**进一步研究总结:**

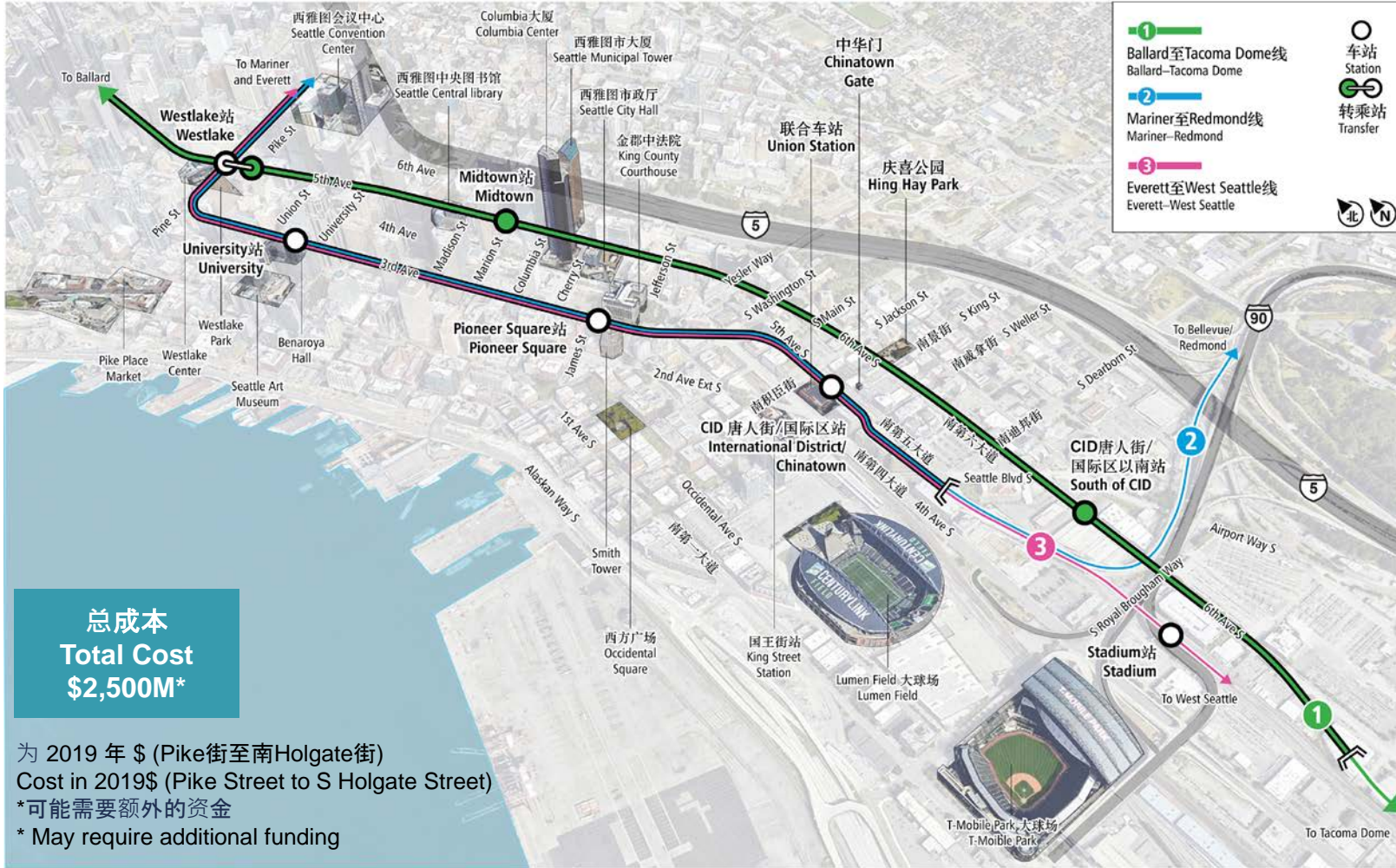
**CID唐人街/国际区以南站 + Midtown站**

**Further study summary:**

**South of CID + Midtown**

# CID唐人街/国际区以南站 + Midtown站

## South of CID + Midtown



**总成本**  
**Total Cost**  
**\$2,500M\***

为 2019 年 \$ (Pike街至南Holgate街)  
 Cost in 2019\$ (Pike Street to S Holgate Street)  
 \*可能需要额外的资金  
 \* May require additional funding

### 载客量和乘客体验

#### Ridership and passenger experience

一号线在三个车站上的每日登车人次总和  
 Total 1 Line daily boardings at 3 stations  
**51,200 乘客**  
**passengers**

从CID唐人街/国际区以南站到现有CID唐人街/国际区换乘时间  
 Transfer/access to existing station in CID from South of CID  
**5-6 分**  
**5-6 minutes**

车站深度 Station Depth  
 Midtown 站 Midtown  
 CID唐人街/国际区以南站 South of CID  
**140-145 英尺 feet**  
**95-115 英尺 feet**

### 社区和区域交通连接

#### Community and regional access

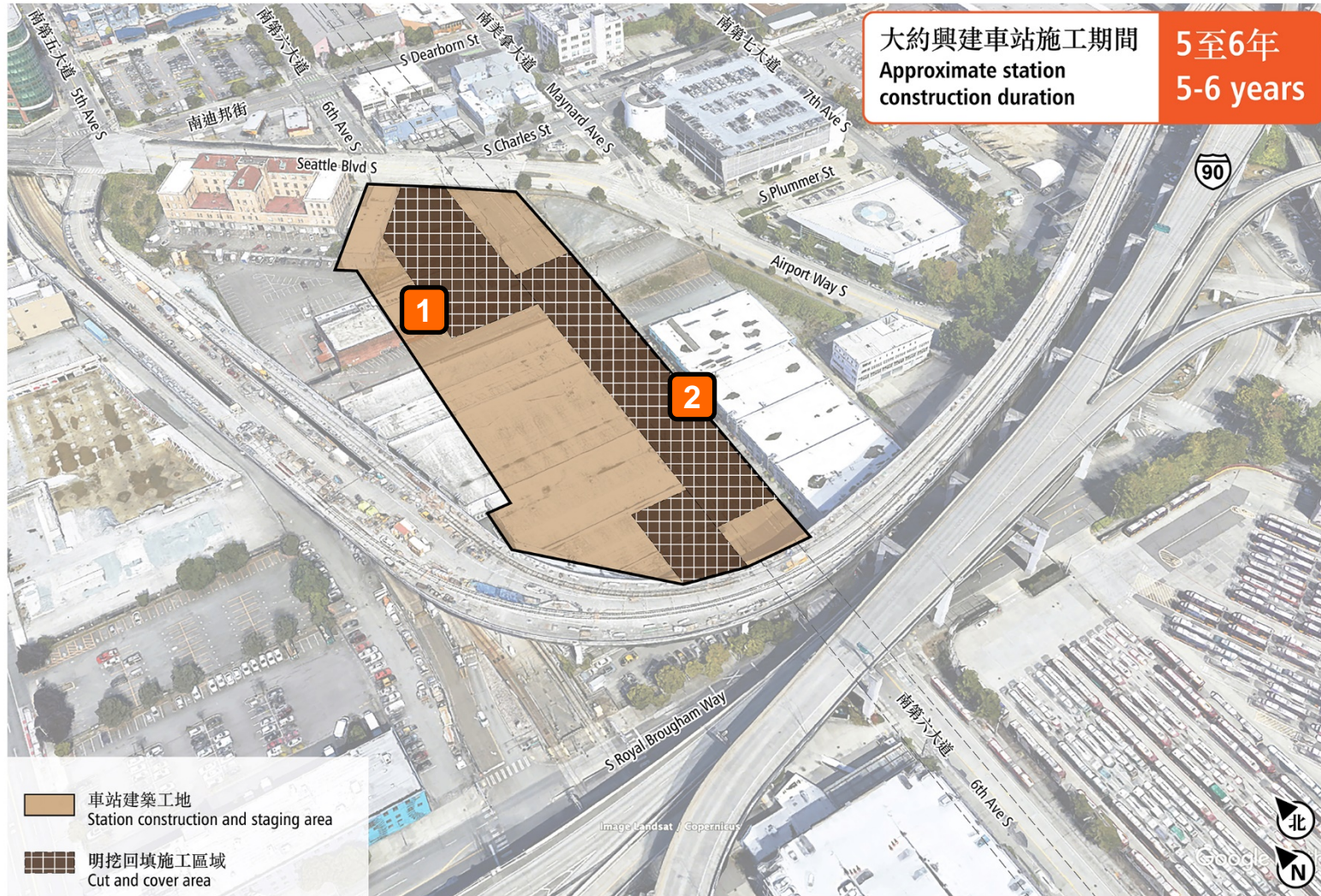
庆喜公园往SeaTac/机场站  
 Hing Hay Park to SeaTac/Airport Station  
**41 分钟 minutes**

西方广场往SeaTac/机场站  
 Occidental Square to SeaTac/Airport Station  
**47 分钟 minutes**

Bellevue 市中心站往Columbia City站  
 Downtown Bellevue to Columbia City  
**44-50 分钟 minutes**

# CID唐人街/国际区以南站:施工时的影响

## South of CID: construction effects

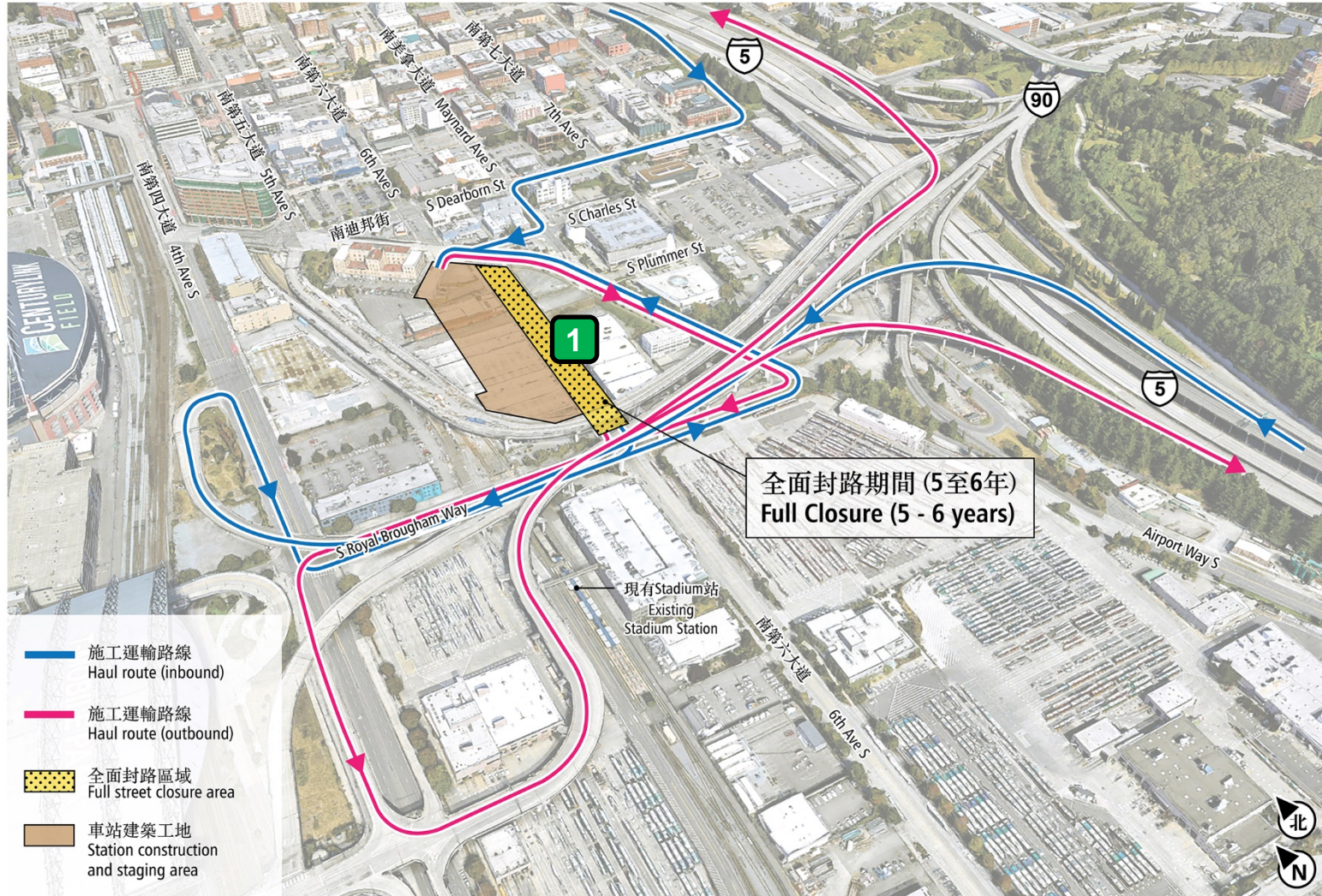


**1** 车站出入口和建筑工地需要与任何未来的发展计划互相协调  
Station entrances and staging areas would need to be coordinated with any future development plans

**2** 与南第六大道的16英寸高压输气管线和计划中的SCL高压电力线存在潜在冲突  
Potential conflict with 16" high pressure gas line and planned SCL high voltage power line on 6th Ave S

# CID唐人街/国际区以南站:交通影响

## South of CID: traffic effects



**1** 施工需要完全关闭Seattle Boulevard S 和 S Royal Brougham之间的南第六大道, 这对整体交通和道路封闭影响较小

Construction requires full closure of 6<sup>th</sup> Ave S between Seattle Boulevard S and S Royal Brougham, which has fewer overall traffic and road closure implications

# CID唐人街/国际区以南站: 机遇与问题

## South of CID: opportunities and issues



- 1** 连接到潜在的 Sounder 车站出入口和 BNSF 上的潜在行人天桥 (合作夥伴關係)

Connection to potential Sounder Station entrance and potential ped bridge over BNSF (partnership)
- 2** 靠近CID唐人街/國際區的車站出入口和新的公共空間

Station entrance closer to CID with new public space
- 3** 重新配置街道/十字路口以改善流通和行人通道

Reconfigure street/intersection to improve circulation and pedestrian access

# CID唐人街/国际区以南站: 机遇与问题

## South of CID: opportunities and issues



**4** 将车站出入口纳入潜在的未  
来eTOD, 提供经济适用住房  
和零售

Incorporate station entrance into potential future eTOD with affordable housing and retail

**5** 激活连接公共空间、车站出  
入口和其他人的开发项目以  
激活的步行路线 (合作伙伴  
关系和潜在的eTOD机会)

Activate pedestrian route connecting public spaces, station entrance, and potential future development (partnership and potential eTOD opportunity)

**6** 通过充足的行人道和照明以  
改善体育场的连接

Improve stadium connection with ample sidewalks and lighting



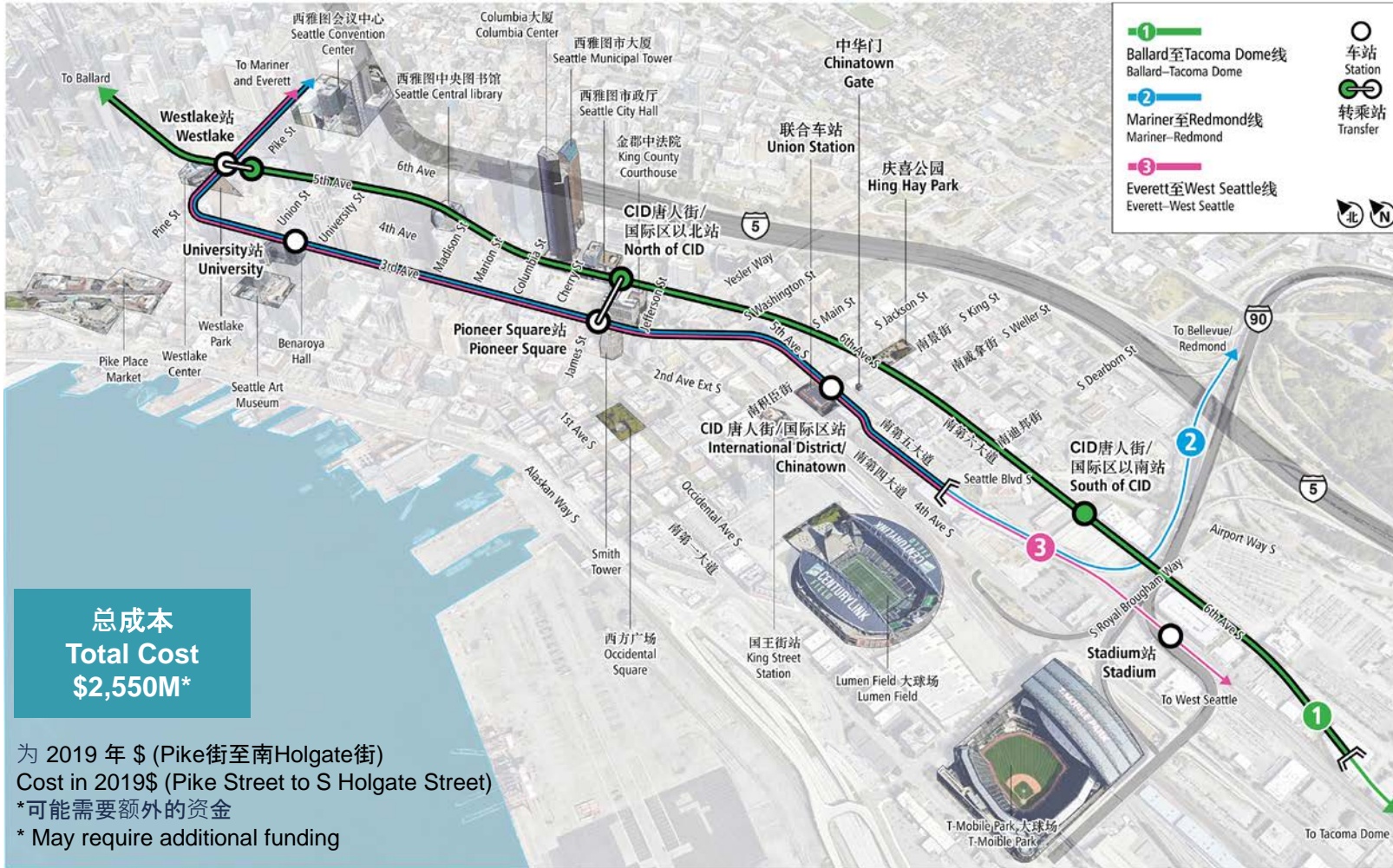
**进一步研究总结:**

**CID唐人街/国际区以北站 + 以南站  
(沒有Midtown站)**

***Further study summary:***

***North + South of CID (No Midtown)***

# CID唐人街/国际区以北站 + 以南站 (沒有Midtown站) North + South of CID (No Midtown)



**总成本**  
**Total Cost**  
**\$2,550M\***

为 2019 年 \$ (Pike街至南Holgate街)  
Cost in 2019\$ (Pike Street to S Holgate Street)  
\*可能需要额外的资金  
\* May require additional funding

### 载客量和乘客体验 Ridership and passenger experience

一号线在三个车站上的每日登车人次总和  
Total 1 Line daily boardings at 3 stations

**51,500 乘客**  
**passengers**

CID唐人街/国际区以北站换乘时间  
Transfer time at North of CID

**3分 15 秒**  
**3m 15s**

车站深度 Station Depth

CID唐人街/国际区以北站  
North of CID

**80-105 英尺 feet**

CID唐人街/国际区以南站  
South of CID

**95-115 英尺 feet**

### 社区和区域交通连接 Community and regional access

庆喜公园往SeaTac/机场站  
Hing Hay Park to SeaTac/Airport Station

**41 分钟 minutes**

西方广场往SeaTac/机场站  
Occidental Square to SeaTac/Airport Station

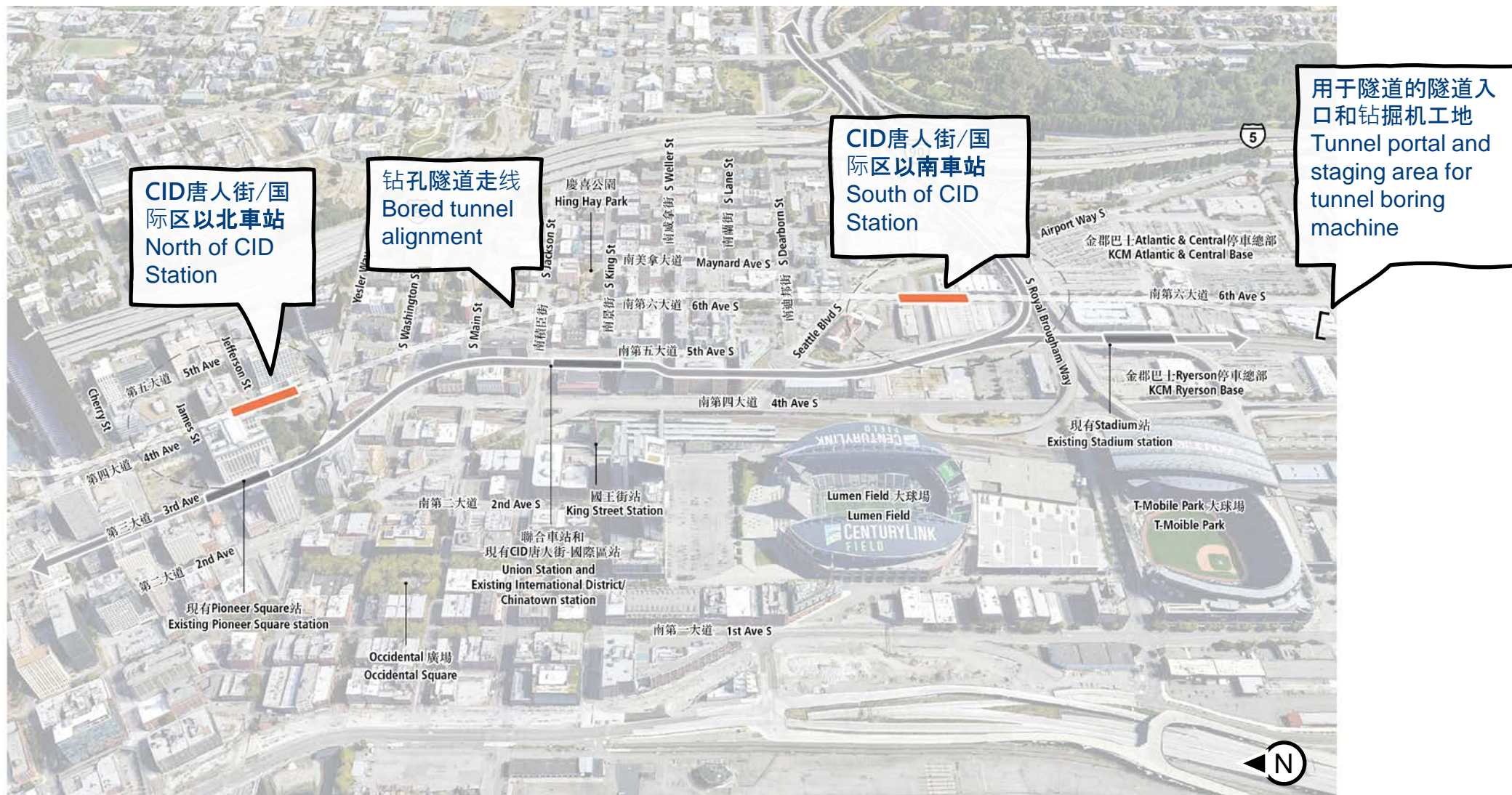
**46 分钟 minutes**

Bellevue 市中心站往  
Columbia City站  
Downtown Bellevue to Columbia City

**45 分钟 minutes**

# CID唐人街/国际区以北站 + 以南站:主要特点概述

## North + South of CID: key features overview



## 行程时间总结

### Travel time summary

第四大道浅层站+  
Midtown站  
4th Avenue Shallow  
+ Midtown

CID唐人街/国际区以北站  
(沒有Midtown站)  
North of CID  
(No Midtown)

CID唐人街/国际区以南站  
+Midtown站  
South of CID  
+ Midtown

CID唐人街/国际区  
以北+以南站  
(沒有Midtown站)  
North + South of CID  
(No Midtown)

庆喜公园往Sea/Tac机场站  
Hing Hay Park to  
SeaTac/Airport Station

**39 min**  
(经现有CID唐人街/国际区  
站)  
(via existing station in  
CID)

**44 min**  
(经现有CID唐人街/国际区站到SODO站)  
(via existing station in CID to SODO)

**41 min**  
(經CID唐人街/国际区以南站)  
(via CID south)

**41 min**  
(經CID唐人街/国际区以南站)  
(via CID south)

西方广场往Sea/Tac机场站  
Occidental Square to  
SeaTac/Airport Station

**46 min**  
(经现有CID唐人街/国际区  
站)  
(via existing station in  
CID)

**45 min**  
(經CID 唐人街/国际区以北站)  
(via CID North)

**47 min**  
(经先锋广场站和在SODO站转乘)  
(via Pioneer Square and transfer at  
SODO)

**46 min**  
(經CID唐人街/国际区以北站)  
(via CID North)

Bellevue 市中心站往Columbia  
City站  
Downtown Bellevue to  
Columbia City Station

**41 min**  
(经现有CID唐人街/国际区  
站转乘)  
(via existing station in CID  
transfer)

**44 min**  
(經CID唐人街/国际区以北站转乘)  
(via CID North transfer)

**44 – 50 min**  
(经现有CID唐人街/国际区站步行至  
CID唐人街/国际区以南站)  
( via existing station in CID to CID  
south walk)  
**49 min**  
(經Westlake站转乘)  
(via Westlake transfer)

**45 min**  
(經CID唐人街/国际区以北站转乘)  
(via CID North transfer)

Kent Sounder 站往SLU站  
Kent Sounder to SLU Station

**53 min**  
(经步行至现有CID唐人街/  
国际区站)  
(via walk to existing  
station in CID)

**58 min**  
(經步行至CID唐人街/国际区以北站)  
(via walk to CID North)  
**56 min**  
(經步行至现有CID唐人街/国际区站和  
在CID唐人街/国际区以北站转乘)  
(via existing station in CID and transfer at  
CID North)

**57 min**  
(經步行至CID唐人街/国际区以南站)  
(via walk to CID South)

**57 min**  
(經CID唐人街/国际区以南站)  
(via walk to CID South)

**转入小组讨论**

***Transition to small group  
discussions***

# 今天研讨会的目标

## Goals for today's workshop

### 分享进一步研究总结:

- 交通和社区连接
- 建筑和交通影响
- 车站概念机遇与问题

### 收集您的反馈:

- 您对进一步的研究结果有何看法, 以及研究结果如何与社区目标保持一致?
- 您希望我们与 Sound Transit委员会分享什么?
- 我们如何为您提供后续步骤并继续参与?

### Share summary of further studies:

- Access and connections
- Construction and traffic effects
- Station concept opportunities and issues

### Gather your feedback:

- *What are your thoughts on the further study findings and how do they align with neighborhood goals?*
- *What would you like us to share with the Sound Transit Board?*
- *How can we support you with next steps and continuing to engage?*

*报告*

*Report out*

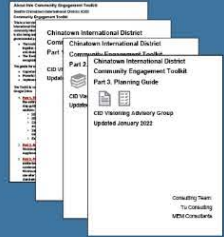
*后续步骤*

*Next steps*



# CID唐人街/国际区互动参与过程

## CID Engagement Process



Process informed by CID Engagement Toolkit and discussions with community

### Key Questions

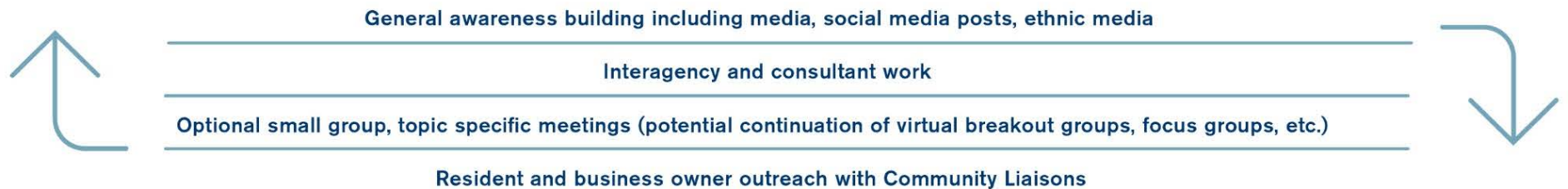
- What hasn't worked with previous engagement?
- What does a transparent process look like?
- What would you like to see in the process?
- Would you like a facilitator?

### WHAT COULD THIS PROCESS LOOK LIKE?

Iterative, facilitated, and responsive process adapts as needed to serve community



### SUPPORTING THE PROCESS



**Targeted Level of Community Engagement: Involve**  
 We will aim to engage at a Collaborate level wherever possible.

谢谢。  
*Thank you.*



 [soundtransit.org](https://www.soundtransit.org)

