

# CID唐人街/國際區進一步研究

## *CID Further Studies*

*研討會四 Workshop 4:*

*總結 Summary*

*會議資料 Meeting Materials*

*1/5/2023*

# CID 唐人街/國際區互動參與過程

## CID Engagement Process



Process informed by CID Engagement Toolkit and discussions with community

### Key Questions

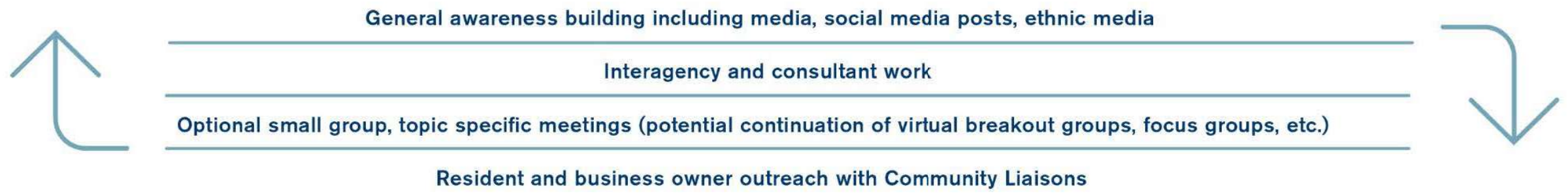
- What hasn't worked with previous engagement?
- What does a transparent process look like?
- What would you like to see in the process?
- Would you like a facilitator?

### 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.

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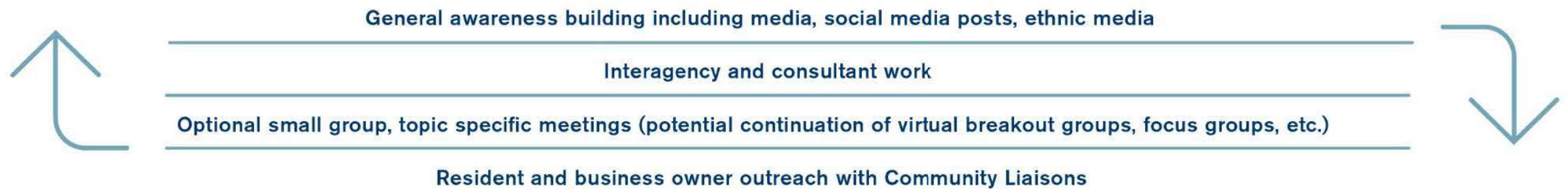
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### SUPPORTING THE PROCESS



**Targeted Level of Community Engagement: Involve**  
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# 今天研討會的議程

## Agenda for today's workshop

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

5:00-5:45 PM

歡迎和摘要概述簡報

Welcome and summary snapshot presentation

5:45-6:30 PM

小組討論

Small group discussion

6:30-7:00 PM

報告和後續步驟

Report-out & next steps



Process in CID Engagement Toolkit and discussion with community

Key Questions

- What hasn't worked in previous engagement?
- What does a transparent process look like?
- What would be the next steps in the process?
- Would you like a facilitator?

# 今天研討會的目標

## Goals for today's workshop

### 分享進一步研究總結：

- 交通和社區連接
- 建築和交通影響
- 車站概念機遇與問題

### 收集您的反饋：

*您對進一步的研究結果有何看法，以及研究結果如何與社區目標保持一致？*

*您希望我們與 Sound Transit 委員會分享什麼？*

*我們如何為您提供後續步驟並繼續參與？*

### 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?*

*聯合車站和廣場激活*

*Union Station and plaza  
activation*

# 聯合車站和廣場激活 *Union Station and plaza activation*

諮詢會  
社區目標和價值觀

Open House  
Neighborhood  
goals and values



研討會一  
你想看的活動

Workshop #1  
Activities you  
would like to see



研討會二和三  
定位活動

Workshop #2 & #3  
Locating activities



研討會四  
工作總結

Workshop #4  
Summarizing  
the work

# 聯合車站和廣場激活

## Union Station and plaza activation

諮詢會  
社區目標和價值觀

Open House  
Neighborhood goals and values

### CID互動參與工具包的核心價值 Core Values from the CID Engagement Toolkit

- 這些價值觀對本項目有何影響？
- 在本項目中按照這些價值觀來採取行動有多容易或具有挑戰性？
- 為確保在本項目中貫徹這些價值觀和原則，我們應該注意什麼？
- What are the implications of these values for this project?
- How will it be easy or challenging to act on these values for this project?
- What should we pay attention to in order to ensure that these values and principles are activated in this project?



### 參與工具包的核心價值 Core Values from the CID Engagement Toolkit

過程如何體現社區核心價值？  
How can the process reflect the neighborhood core values?

**Core Values for CID Community Process**

**Transparency and Trust**

- Be clear and open about the process and decision-making.
- Report back how input and feedback was used or informed the work.

**Collaboration and Shared Purpose**

- Reach back to reach forward, embracing history between neighborhoods move forward!
- Focus on working together for the common good.

**Civility**

- Create spaces where people are comfortable sharing opinions.
- Listen and understand others' ideas and perspectives.

**Inclusion and Equity**

- Recognize and work to mitigate the impact of historic inequities
- Build shared understanding of the roots of inequities and systems of power.
- Create opportunities for community healing.
- Infuse equity into every aspect of the work
- Include diverse people, voices, ideas and information and recognize different communities equally.
- Prioritize underrepresented people and communities, and those most impacted.
- Offer multiple and varied opportunities for participation, including response to the needs of specific groups and/or culture.
- Avoid overreliance on "usual suspects."
- Do not tokenize or co-opt people.
- Level the playing field. Ensure people can participate meaningfully.
- Address barriers to participation such as language, knowledge gaps, logistics, and family support.
- Invest in building community knowledge and capacity to engage meaningfully.
- Ensure high-quality language support.
- Value community members' time by offering compensation for participation.





# 聯合車站和廣場激活 Union Station and plaza activation

研討會一  
你想看的活動

Workshop #1  
Activities you would like to see

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?

鍛煉課程 Exercise classes ○○○	展覽 Exhibitions ○○○	社區活動 Community events ○○○	其他想法? Other ideas?
咖啡店/茶店 Cafe/tea shop ○○○	室內集市 Indoor market ○○○	座位區 Sitting Area ○○○	
晚宴 Formal Dining ○○○	“即拿即走”的快餐 “Grab and go” dining ○○○	零售/餐車 Vending/ ○○○	
演出 Performances ○○○	音樂 Music ○○○	交通訊息 Transit in ○○○	

SOUNDTRANSIT

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 ○○○	自動售貨機 Vending carts ○○○	其他想法? Other ideas?
零售空間/售貨亭 Retail spaces/kiosks ○○○	藝術或文化展覽 Art or cultural exhibitions ○○○	
社區節慶 Community celebrations ○○○	鍛煉課程 Exercise classes ○○○	室外夜市 Outdoor night market ○○○
表演 Performances ○○○		

SOUNDTRANSIT



# 聯合車站的潛在用途

## Union Station potential uses

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

**鍛煉課程 Exercise classes**  
**展覽 Exhibitions**  
**社區活動 Community events**  
**咖啡店/茶店 Cafe/tea shop**  
**室內集市 Indoor market**  
**座位區 Sitting Areas**  
**晚宴 Formal Dining**  
**“即拿即走”的快餐 “Grab and go” dining**  
**零售/餐車 Vending/food carts**  
**演出 Performances**  
**音樂 Music**  
**交通訊息 Transit information**

**其他想法? Other ideas?**

STICKY NOTES:  
- BEING ACQUIRED TO MAKE FUNCTIONAL...  
- MORE TRIP TO SUPPORT COMMERCIAL OPPORTUNITIES FOR BIPOC ENTREPRENEURS  
- POLICE presence is a plus along with small businesses  
- LIKE BOSTON FANEUIL HALL OR LIKE SAN DIEGO'S LIBERTY STATION  
- PRESERVE Historic character as much as possible  
- Art center dedicated to Asian arts

**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?

盡可能地保留歷史特徵  
Preserve Historic character as much as possible

鍛煉課程 Exercise classes 交通訊息 Transit information

“即拿即走”的快餐 “Grab and go” dining

**室內集市 Indoor market**

展覽 Exhibitions 座位區 Sitting areas  
警務人員 Police presence

咖啡店/茶店 Café/tea shop

社區活動 Community events 零售/餐車 Vending/food carts

音樂 Music 聲學效果更好，功能更適用。支持BIPOC商店可支付的空間  
Better acoustics, more functional. Other spaces to support commercial affordability for BIPOC businesses

表演 Performances

其它小型企業 Other small businesses 致力於亞洲藝術的藝術中心（電影、戲劇）  
Art center dedicated to Asian arts (films, theater)

像波士頓Faneuil Hall或聖地亞哥的Liberty Station一樣  
Like Boston Faneuil Hall or San Diego's Liberty Station

Online Survey Results 網絡問卷結果

Category	Percent
鍛煉課程	15
展覽	55
社區活動	55
咖啡店/茶店	75
室內集市	75
座位區	75
晚宴	25
“即拿即走”的快餐	60
零售/餐車	60
演出	45
音樂	45
交通訊息	65
其他	10

# 廣場潛在用途 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

其他想法? Other ideas?

Intergenerational use of plaza space / facilities

Add Asian (Chinese) design 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?

具有亞洲特色的多元文化農貿市場  
Multicultural farmers market (Asian specialty)

室外餐飲/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 根據國際特別審查區 (ISRD) 的指導，增設具有亞洲特色的設計  
Add Asian (Chinese) design characteristics as per International Special Review District (ISRD)

Online Survey Results 網絡問卷結果

Use Category	Percent
Outdoor dining/food	~75%
Vending carts	~60%
Retail spaces/kiosks	~55%
Art or cultural exhibitions	~65%
Community celebrations	~65%
Performances	~40%
Exercise classes	~25%
Outdoor night market	~70%
Other ideas	~10%

# 廣場潛在便利設施 Plaza potential amenities

您希望在這個廣場上看到什麼設施?  
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

其他想法? Other ideas?

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

SOUNDTRANSIT

您希望在這個廣場上看到什麼設施?  
What amenities would you like to see in the plaza?

Online Survey Results 網絡問卷結果

Amenity	Percent
園境設計 Landscaped areas	~70%
公共藝術 Public art	~65%
放置自行車的地方 Places for bicycles	~60%
社區介紹的訊息 Neighborhood information	~55%
行人導向標示 Wayfinding signs	~58%
座位區 Sitting areas	~75%
路燈 Overhead lights	~70%
其他想法 Other ideas	~10%

- 社區介紹的訊息 Neighborhood Information
- 行人導向標示 Wayfinding signs
- 多語言標示 Multilingual signs
- 放置自行車的地方 Places for bicycles
- 座位區 Sitting areas
- 公共藝術 Public art
- 園境設計 Landscaped areas
- 路燈 Overhead lights
- 漂亮的燈——串聯的仙女燈 Pretty lights – string fairy lights

# 廣場公共安全

## Plaza public safety



怎樣能讓您在廣場上感到更安全呢?  
What would help you feel safer in the plaza?

在廣場上設置一個24小時有人當值的警務站  
**Locate a police substation in plaza that is manned 24/7**

晚上入黑要多街燈  
**Lights at night/dark**

希望有更多人來光臨這區/不只是走過的遊客  
**More people visiting the area/  
not just walking through to tourist**

有24小時的安全感  
**Safety first, 24 hours**

一個熙熙攘攘的社區：人們在吃飯、社交和放鬆  
**A bustling community; people eating, socializing and relaxing**

更多的照明、食品車和現場表演，鼓勵更多有組織的入夜後活動  
**More lighting, food carts and live performances to  
encourage more organized after dark activities**

安全攝像機  
**Security cameras**

緊急電話  
**Emergency phones**

# 定位活動

## Locating activities

### 研討會二和三 定位活動

### Workshop #2 & #3 Locating activities

**聯合車站和廣場周邊活動構想**  
**Union Station and plaza activation**

活動 Events  
“快閃”活動 Pop-ups

室內“快閃”活動  
Indoor pop-ups  
室內活動 Events

座位區 Seating

公共藝術 Public art  
園林景觀 Landscaping

行人導向標示 Wayfinding

自行車停放區

室內座位區 Seating

公共藝術 Public art  
園林景觀 Landscaping

座位區 Seating

聯合車站和廣場 Union Station and plaza area

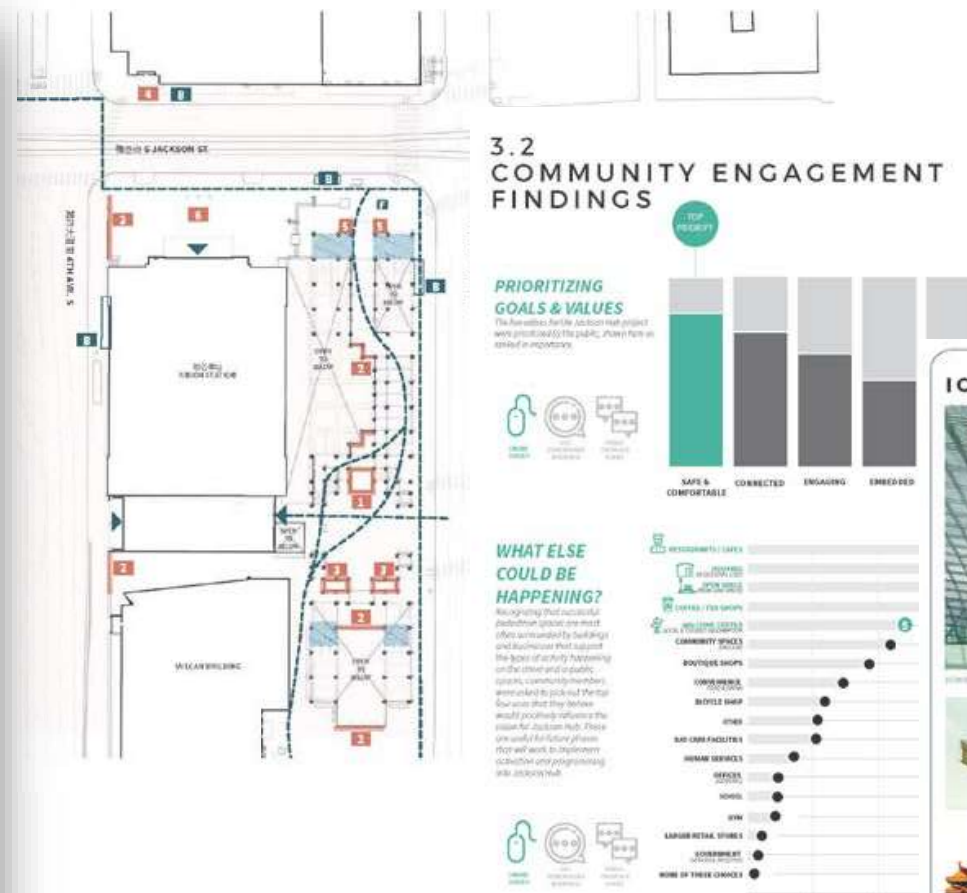
構想的活動和地點是根據公眾參與的反饋，包括兩個研討會和網絡問卷。  
Potential activities and locations are based on input from public engagement process including two workshops and online survey.

**SOUNDTRANSIT**

你希望在廣場上和聯合車站內設置以下的項目?  
Where would you like to see these uses on the plaza and in the Union Station?

**SOUNDTRANSIT**

# Jackson Hub 過去的工作 Jackson Hub past work



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



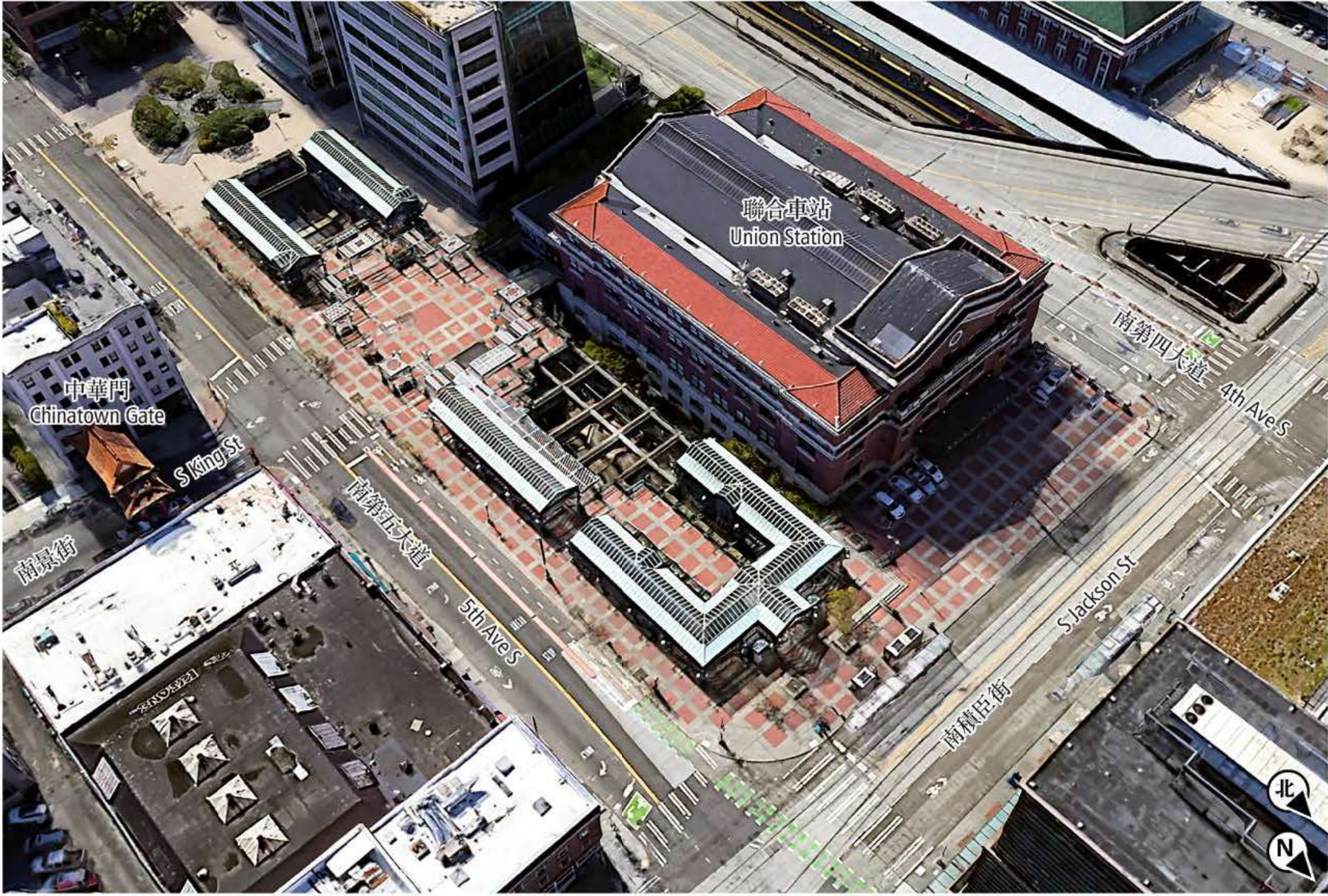
# 激活潛在的願景

## A potential vision for activation



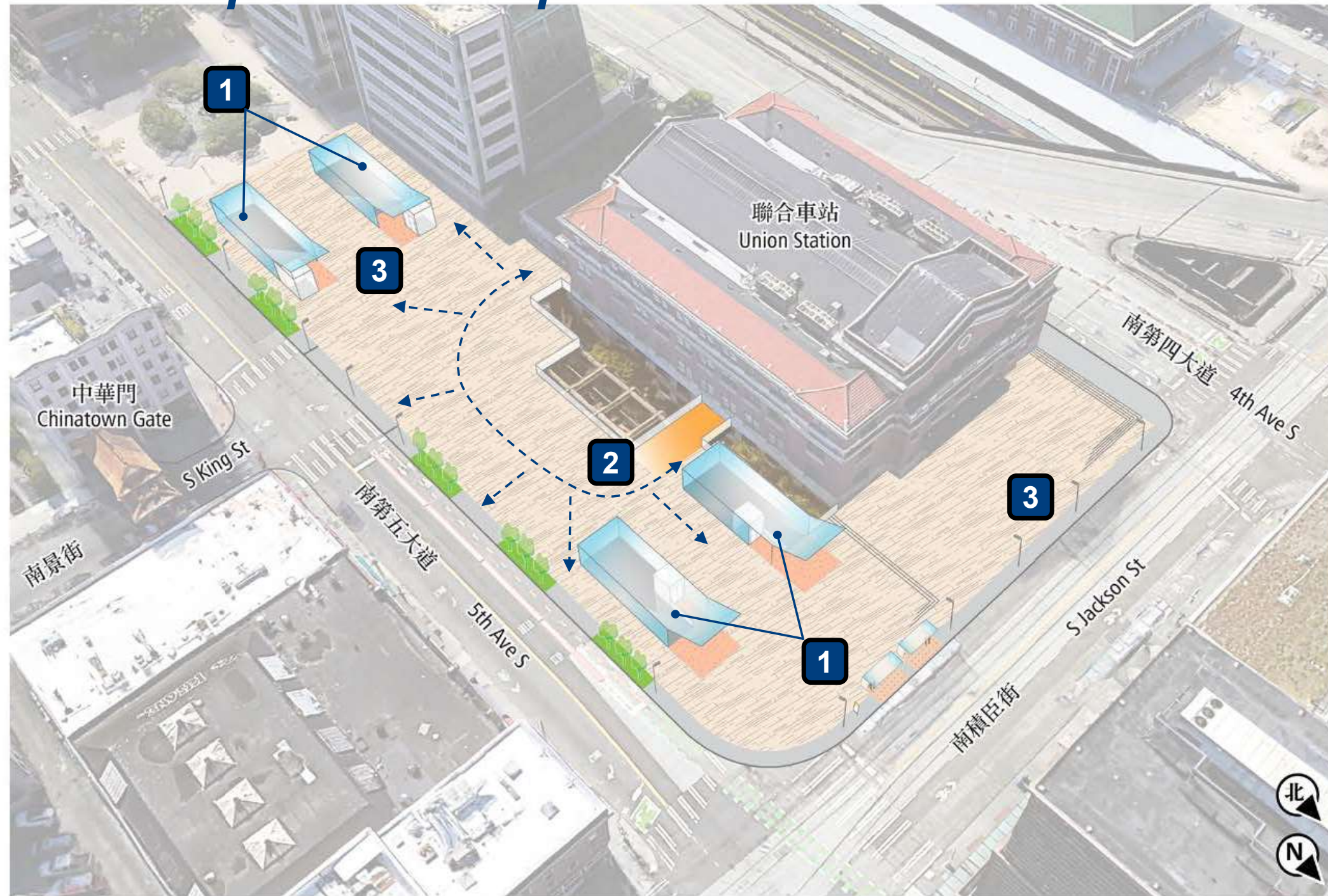


# 現有車站廣場 Existing Station Plaza



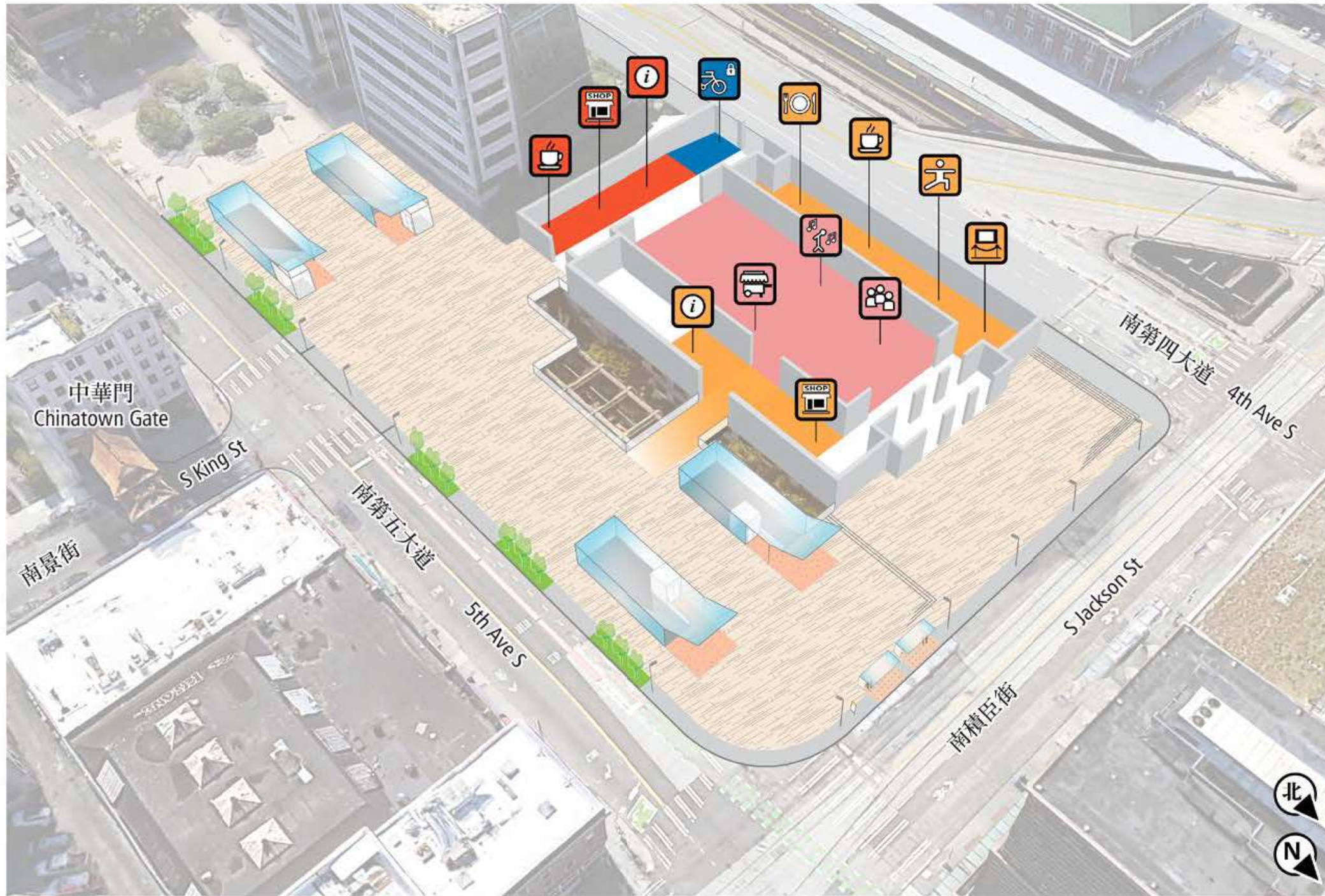
# 新車站廣場構思

## Station plaza concept



- 1** 更換車站出入口簷篷  
Replace station entry canopies
- 2** 打通廣場並連接到聯合車站建築物東面表面  
Open up plaza and connect into Union Station east facade
- 3** 安裝新的統一路面和照明格式  
Install new unified paving and lighting scheme

# 聯合車站激活 Union Station activation

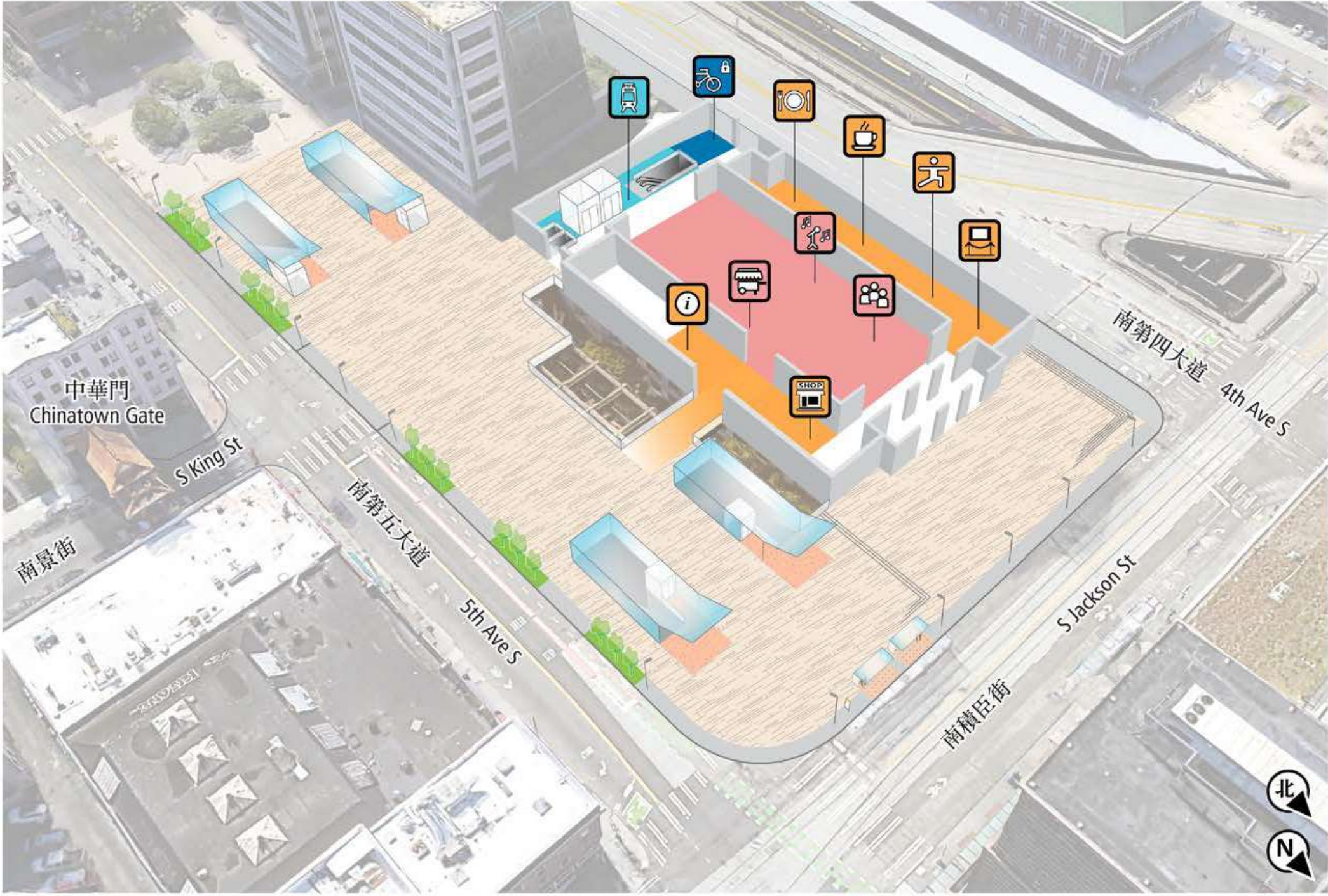


## 聯合車站內 Inside Union Station

社區活動 Community events	餐廳 Dining
音樂/表演 Music/performance	小食/咖啡店 Cafe
零售/餐車 Vending/food carts	活動興趣班 Classes
公共單車存放處 Public bike storage	展覽廳 Gallery
交通詢問處 Transit info	快閃活動 Pop-ups
零售處 Retail	詢問處 Kiosk
小食/咖啡店 Cafe	

# 聯合車站激活 – 第四大道站出入口

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

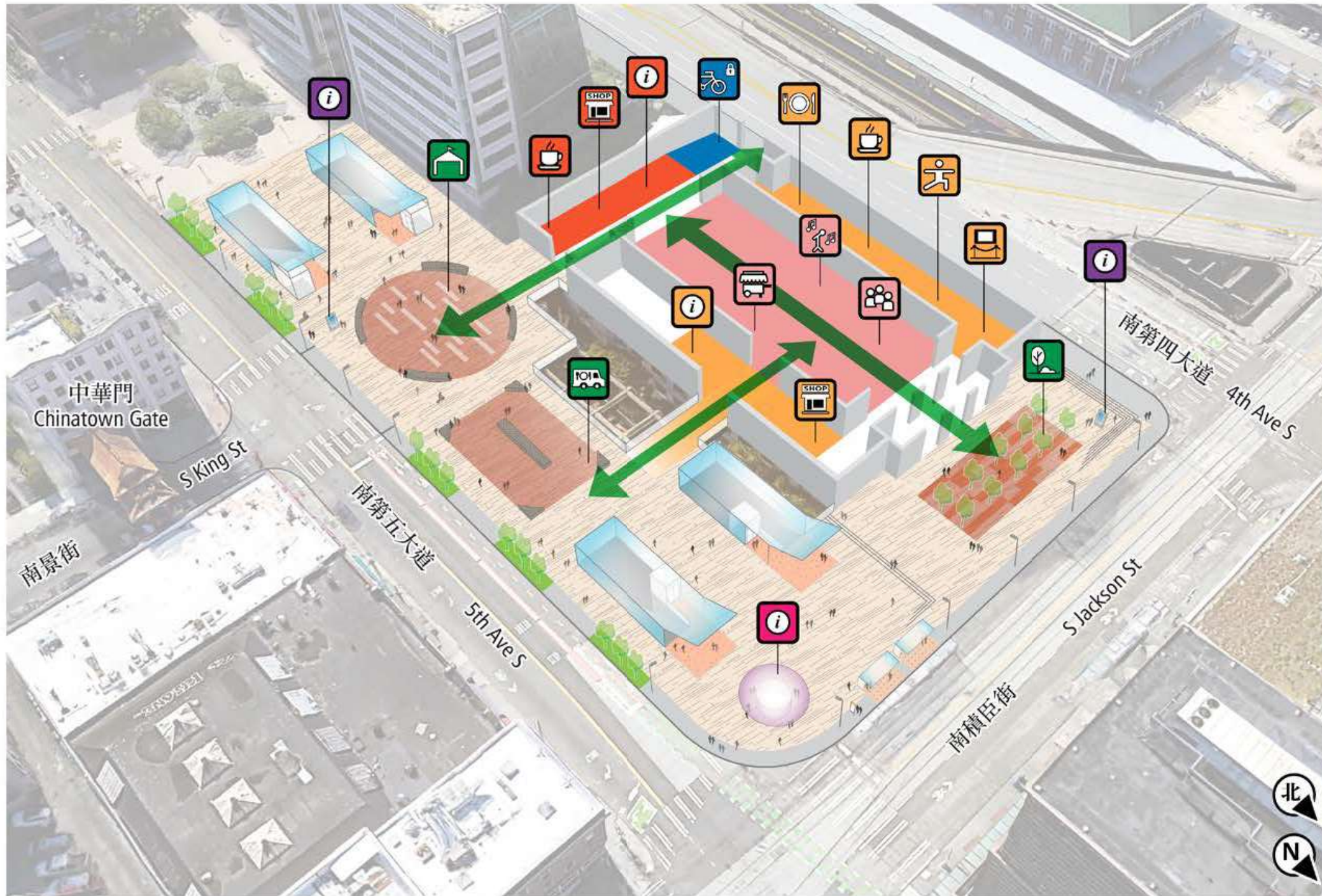


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公共單車存放處 Public bike storage	展覽廳 Gallery
第四大道車站出入口 4th Ave station entrance	快閃活動 Pop-ups
	詢問處 Kiosk

# 聯合車站和廣場的概念和用途

## Union Station, plaza concept and uses



### 聯合車站內 Inside Union Station

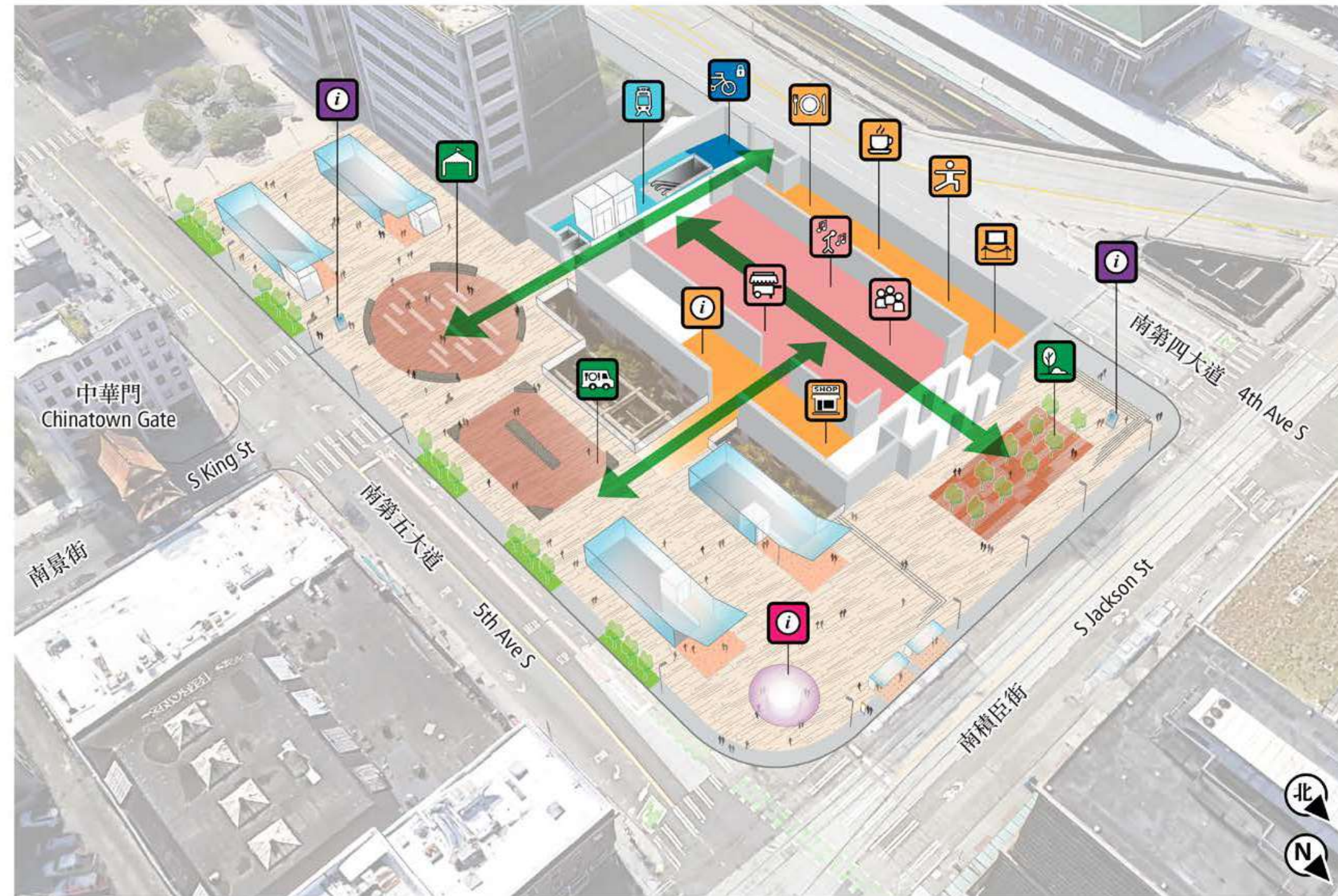
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小食/咖啡店 Cafe	

### 車站廣場 Station plaza

行人導向標示 Wayfinding	季節性市場/飲食/ 座位區 Seasonal market/ food/seating
公用廣場/ 園林景觀/藝術 Open plaza/ landscape/art	室外活動/表演/ 彈性空間 Events/performance/ flexible space
詢問亭(有當席人員) 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



### 聯合車站內 Inside Union Station

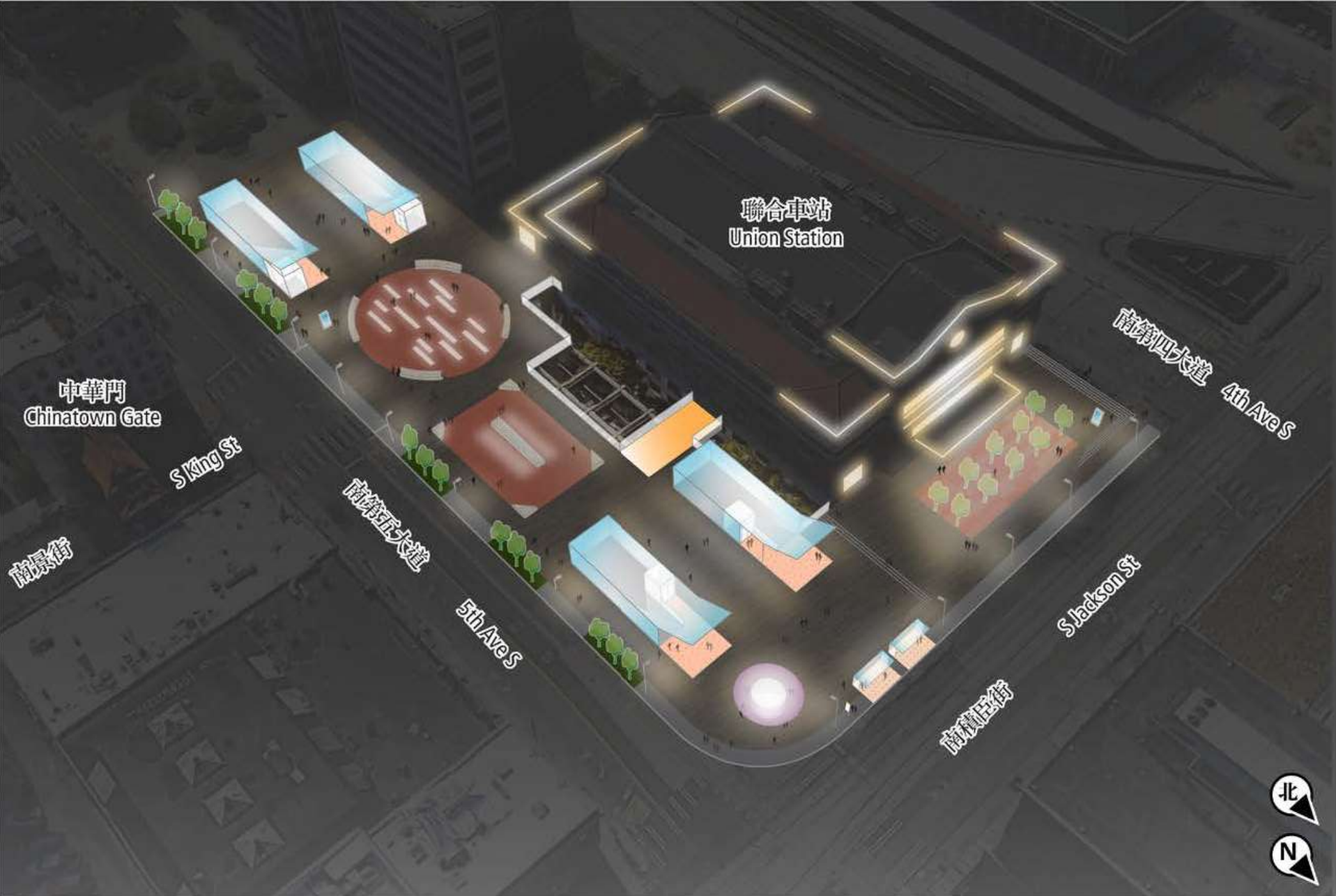
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公共單車存放處 Public bike storage	展覽廳 Gallery
第四大道車站出入口 4th Ave station entrance	快閃活動 Pop-ups
	詢問處 Kiosk

### 車站廣場 Station plaza

行人導向標示 Wayfinding	季節性市場/飲食/ 座位區 Seasonal market/ food/seating
公用廣場/ 園林景觀/藝術 Open plaza/ landscape/art	室外活動/表演/ 彈性空間 Events/performance/ flexible space
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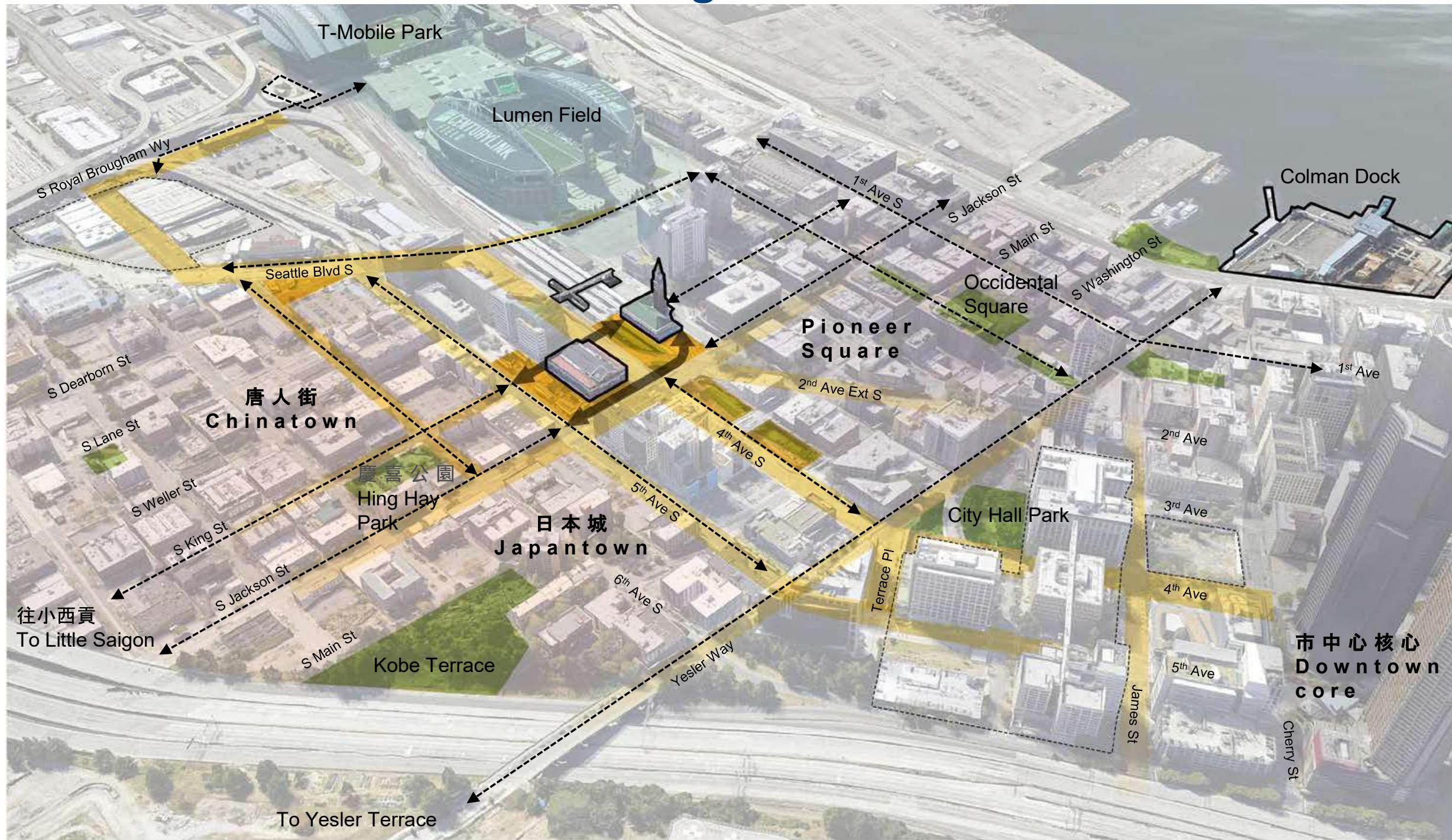
# 聯合車站和廣場概念——夜間方案

## Union Station and plaza concept – night scheme



# 歷史悠久的車站樞紐和連接社區

## Historic station hub and neighborhood connections



- 公共廣場 (現有的和潛在的)  
Public plaza (existing and potential)
- 步行街 (現有的和潛在的)  
Pedestrian-focused street (existing and potential)
- 公共公園  
Public park
- 計劃的未來發展  
Planned future development
- 重點步行路線  
Key walking route



*進一步研究總結：*

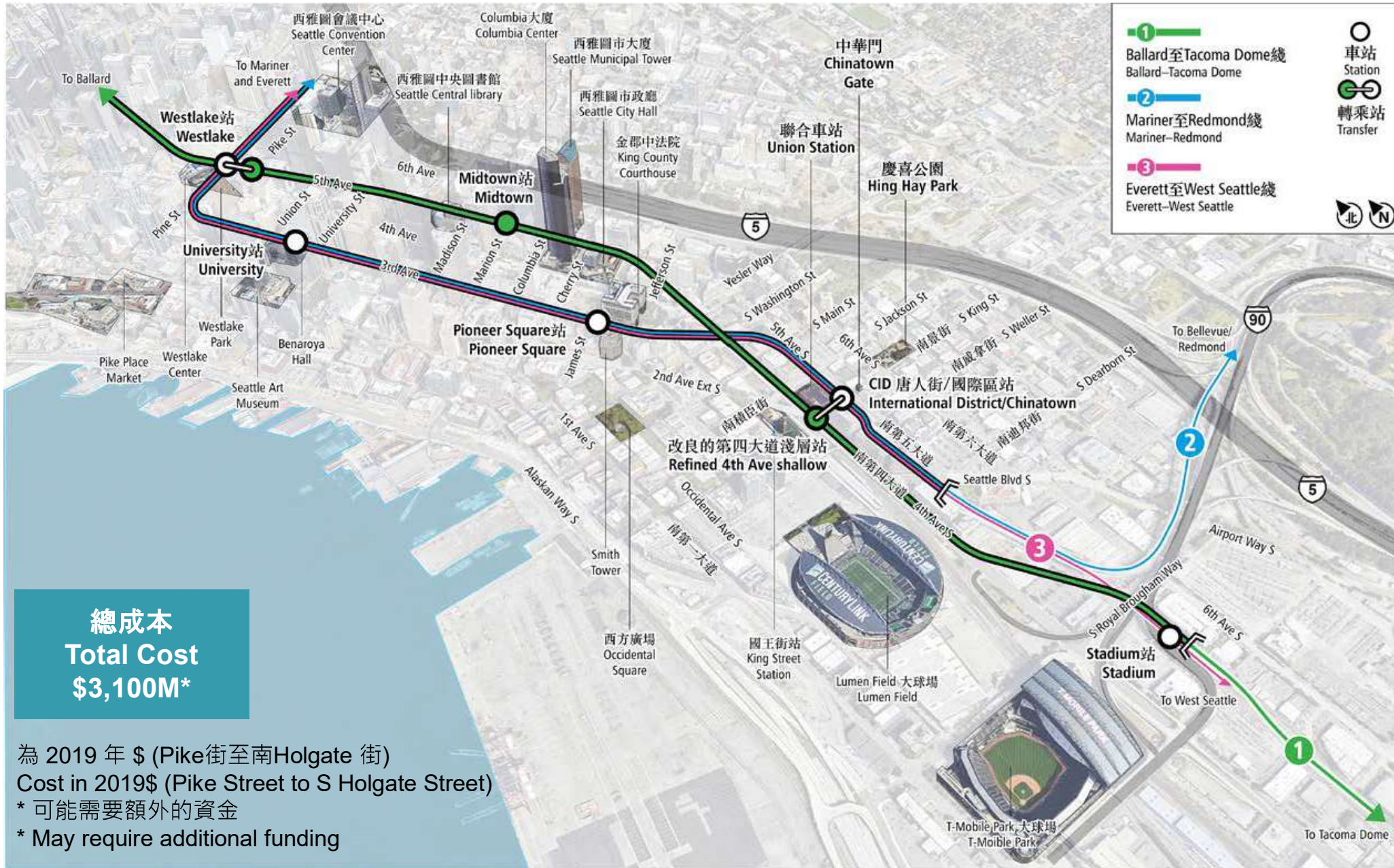
*改良的第四大道淺層站 + Midtown站*

*Further study summary:*

*Refined 4th Shallow + Midtown*

# 改良的第四大道淺層站 + Midtown站

## Refined 4th Ave Shallow + Midtown



### 載客量和乘客體驗

#### Ridership and passenger experience

一號線在三個車站上的每日登車人次總和  
Total 1 Line daily boardings at 3 stations

**55,000 乘客**  
passengers

第四大道淺層站換乘時間  
Transfer time at 4th Ave Shallow

**3分 10 秒**  
3m 10s

車站深度 Station Depth

Midtown 站 Midtown  
第四大道淺層站 4th Ave Shallow

**195-205 英尺 feet**  
**80 英尺 feet**

### 社區和區域交通連接

#### Community and regional access

慶喜公園往SeaTac/機場站  
Hing Hay Park to SeaTac/Airport Station

**39 分鐘 minutes**

西方廣場往SeaTac/機場站  
Occidental Square to SeaTac/Airport Station

**46 分鐘 minutes**

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

**41 分鐘 minutes**

# 第四大道淺層方案 - 施工要點與支援策略

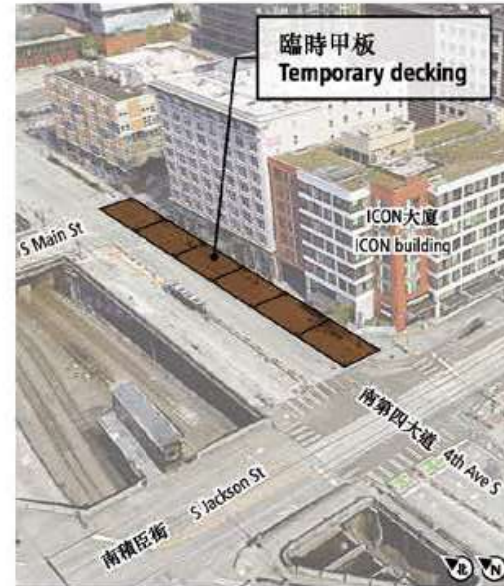
## 4th Avenue Shallow - construction key findings and supporting strategies

### 要點 1 Key finding

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

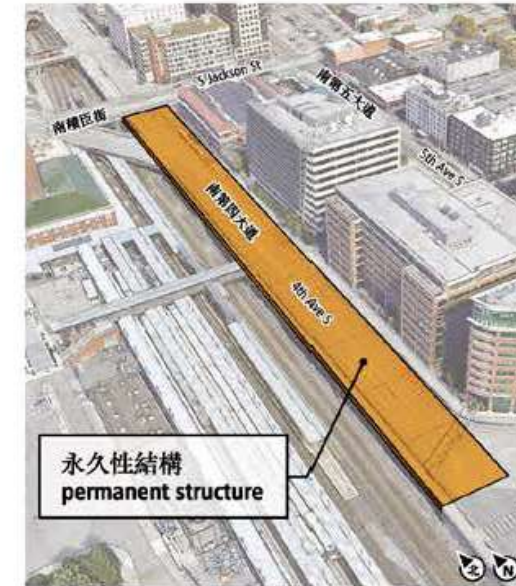


### 要點 3 Key finding

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 2 Key finding

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 4 Key finding

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（例如改用割線格牆而不採用泥漿牆）  
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

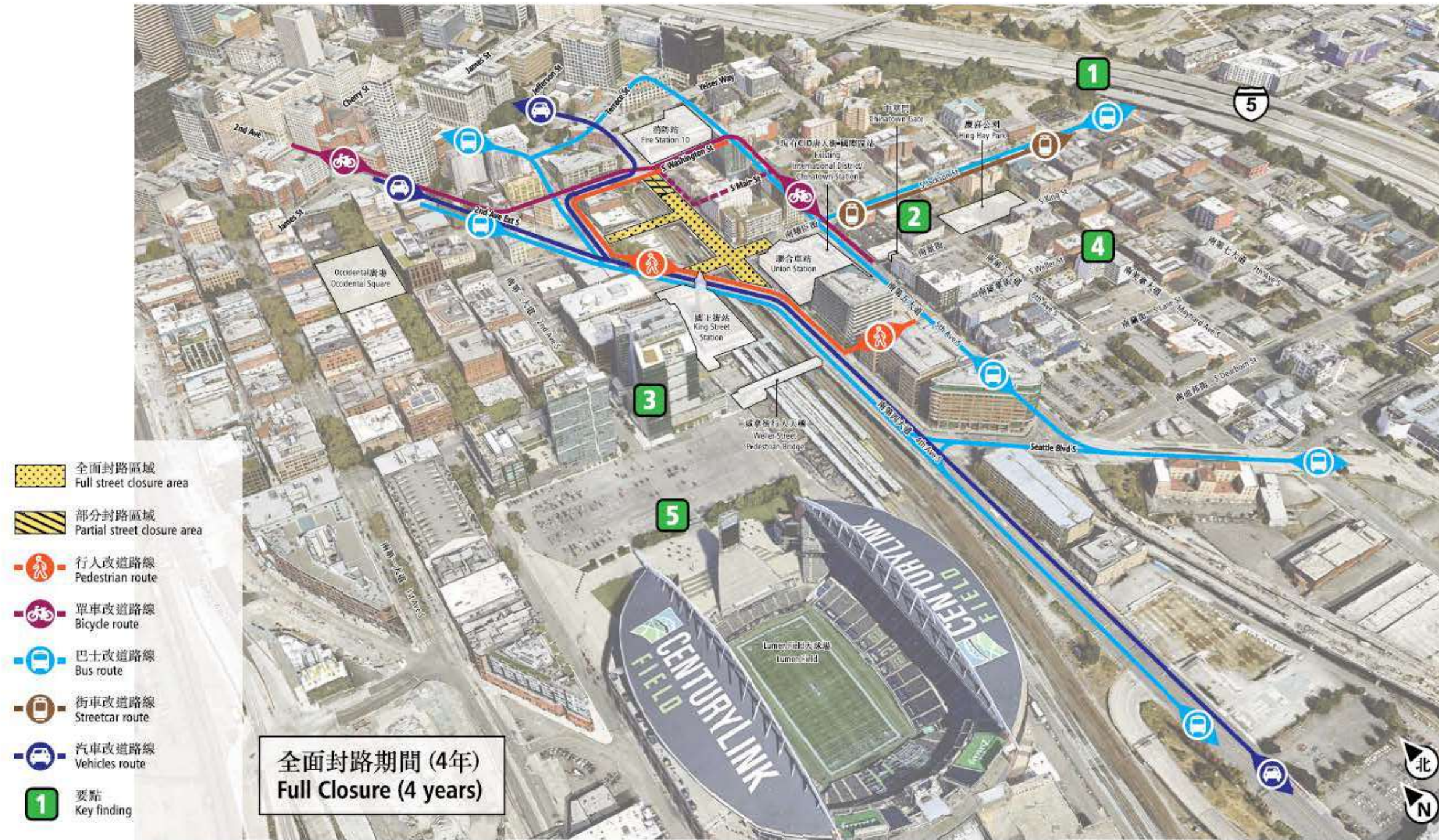
在大型活動期間，多條道路和人行道流量將達至/超出能力負荷  
Multiple roadways and sidewalks would be at/over capacity during large events

#### 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

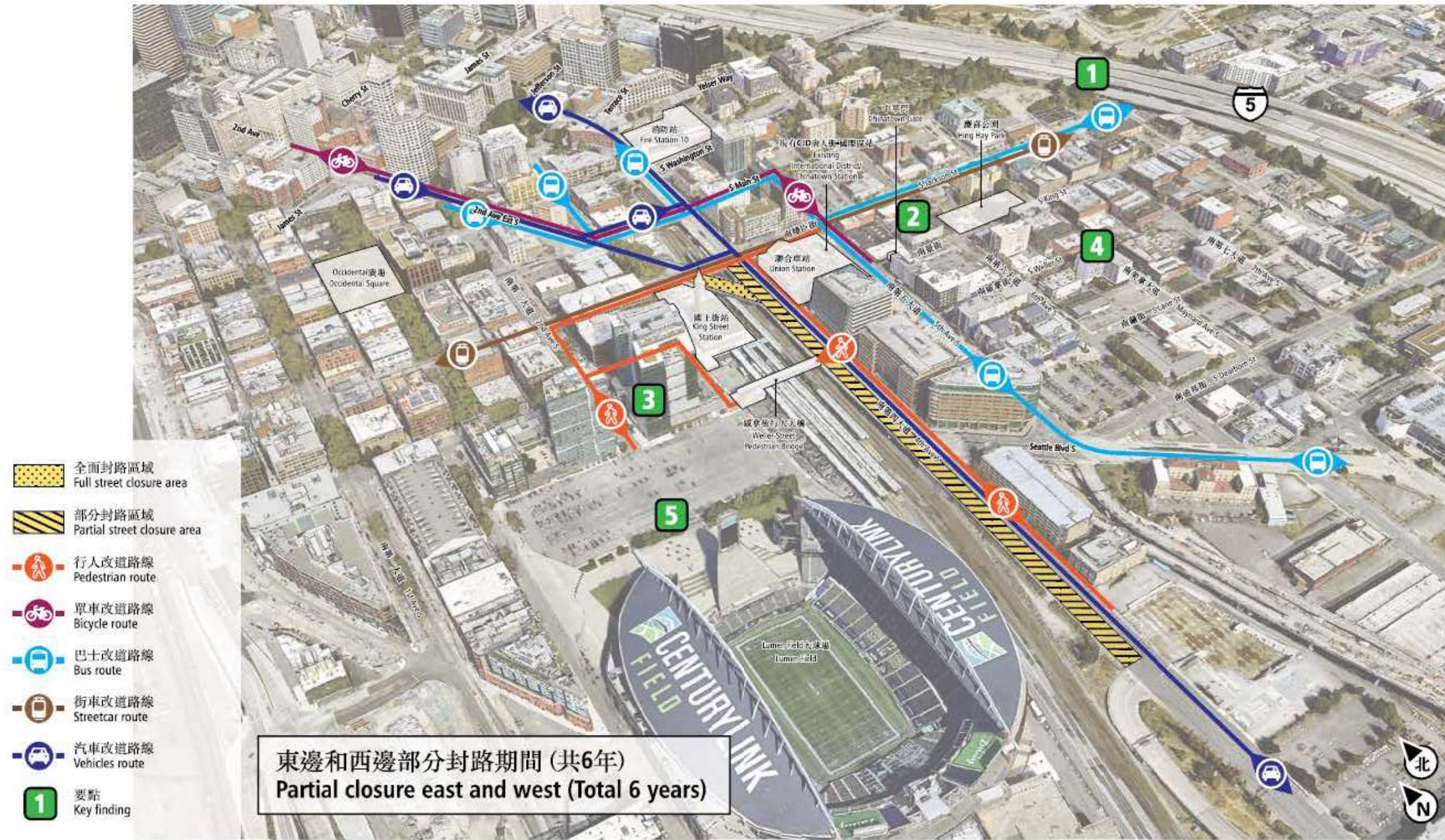
# 第四大道淺層方案 - 全面封路區域和改道路線

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



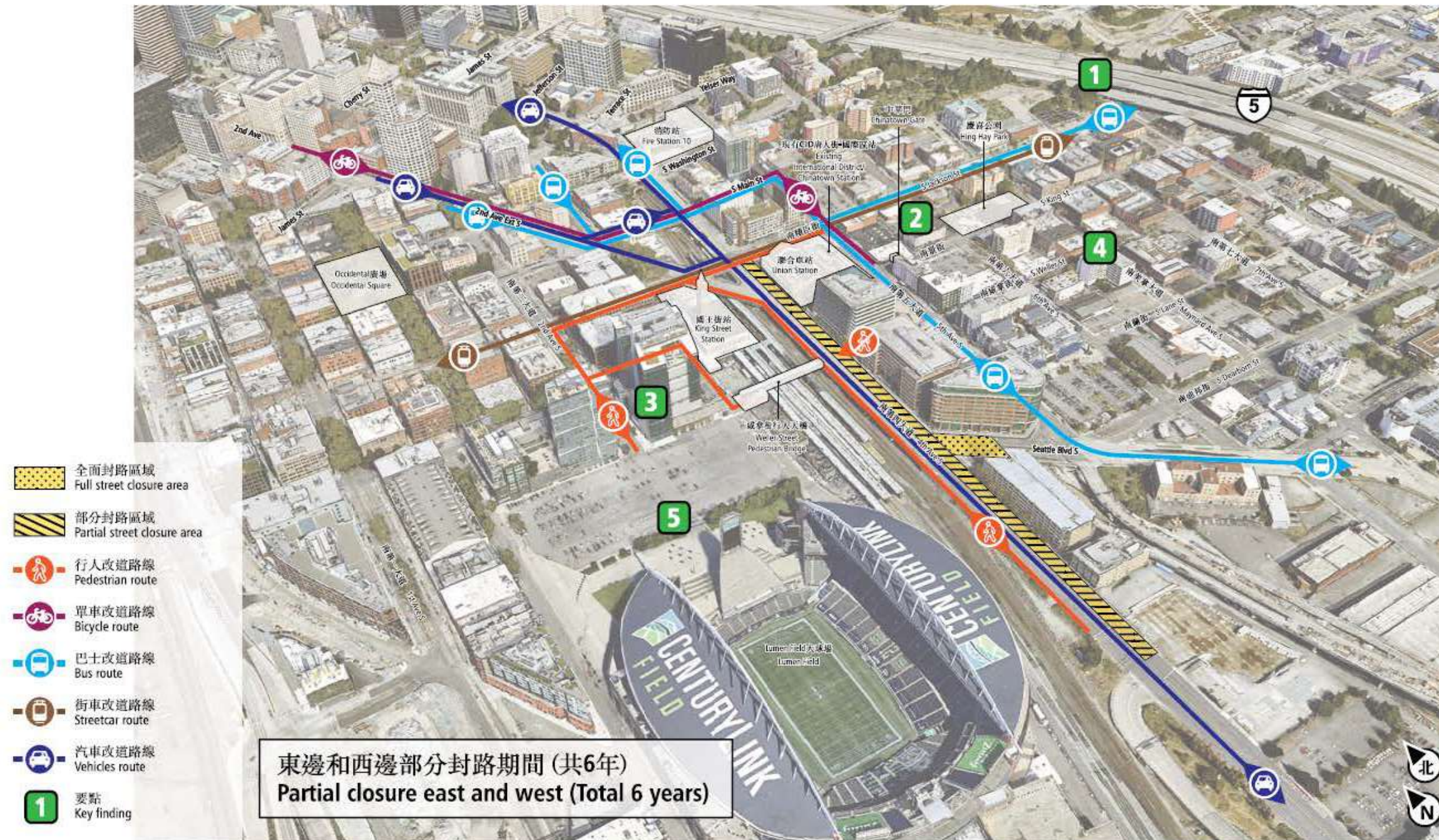
# 第四大道淺層方案 - 部分封路區域(西邊)和改道路線

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



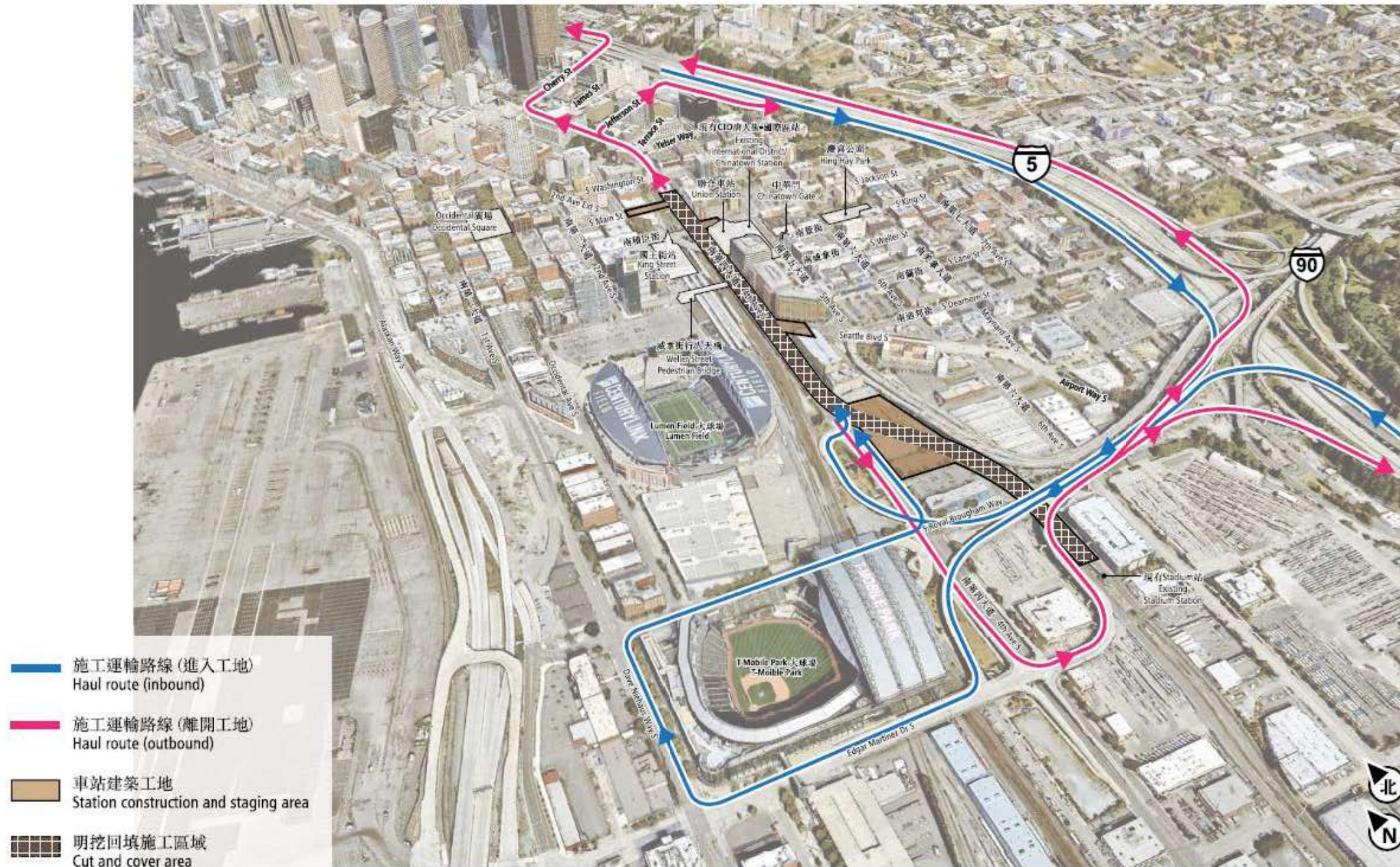
# 第四大道淺層方案 - 部分封路區域(東邊)和改道路線

## 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





# 通風和緊急出口選項 - 第四大道淺層車站方案

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

### 隧道通風的設計和運作

#### Design and operation of tunnel ventilation

- 車站兩端都需要通風
- Ventilation needed at both ends of station
- 輕軌車輛使用電力運作
- Light rail vehicles operate using electric power
- 通風扇僅在緊急情況下啟動，以排出隧道內的煙霧
- Vent fans would be activated only in emergencies to exhaust smoke from tunnel
- 通風扇每月短暫運行一次，目的是測試其有效性
- Vents are run once a month for a brief period to validate functionality
- 結構的高度決定在與運作的建築距離
- Structure height determined by proximity to occupied buildings

### 案例 Examples



這個緊急出口位於波士頓的車站  
結合了凳子和遮陽棚

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



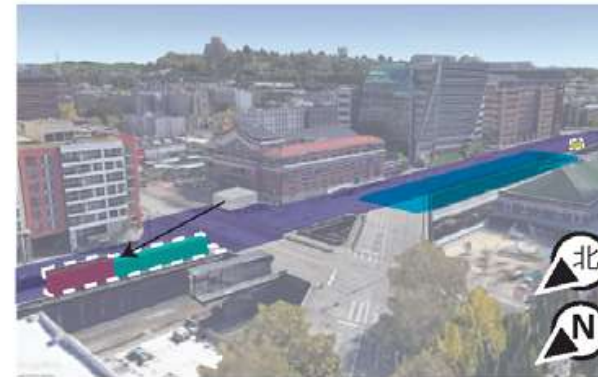
位於西雅圖UW車站的垂直通風口  
Vertical ventilation at UW Station in Seattle



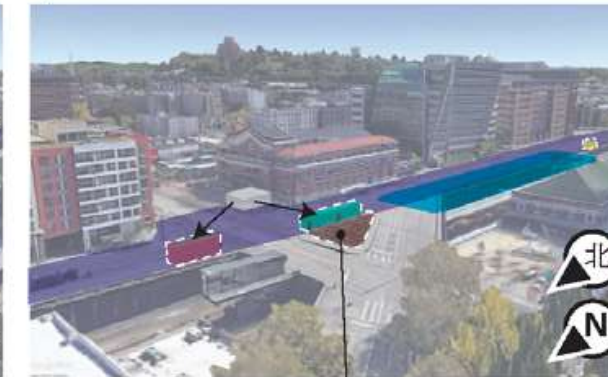
這個波士頓的例子將通風設施與歷史建築結合  
This example in Boston illustrates an example of integrating ventilation with historic building

以上圖表展示車站的地點和構造並非按比例繪製，目的只供參考和說明。

南積臣街北邊的兩端  
Both north of South Jackson Street

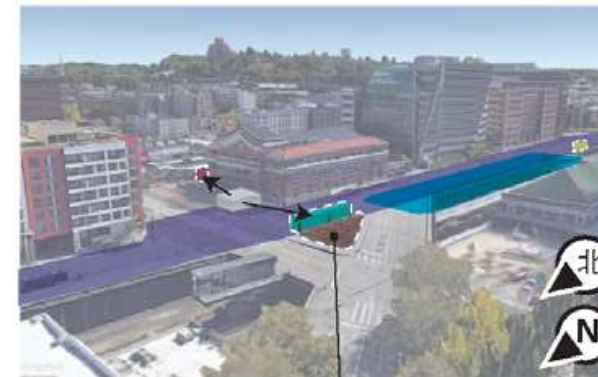


分布於南積臣街的兩端  
Split on either side of South Jackson Street

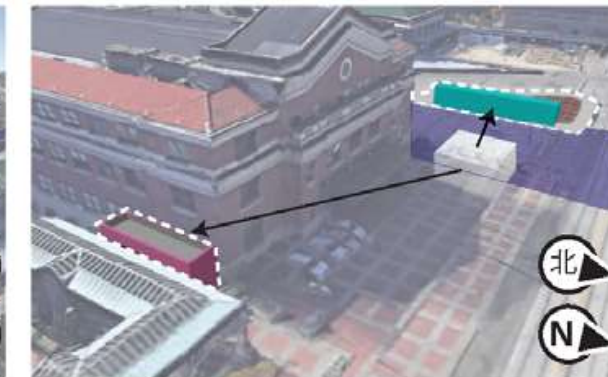


有可能需要在這個位置加一個上蓋  
Potential need to add a lid in this location

聯合車站的東側和南積臣街的南端  
East side of Union Station and south of South Jackson Street



有可能需要在這個位置加一個上蓋  
Potential need to add a lid in this location



#### 圖例 Legend

- 《環境影響報告草案》北部隧道通風和緊急出口位置  
DEIS location for North Tunnel Ventilation and Emergency Egress
- 北部隧道通風  
Ventilation Building - North Tunnel
- 南部隧道通風  
Ventilation Building - South Tunnel
- 北部緊急出口  
Emergency Egress North
- 高架橋更換工程  
Viaduct replacement work
- 車站位置  
Station Location

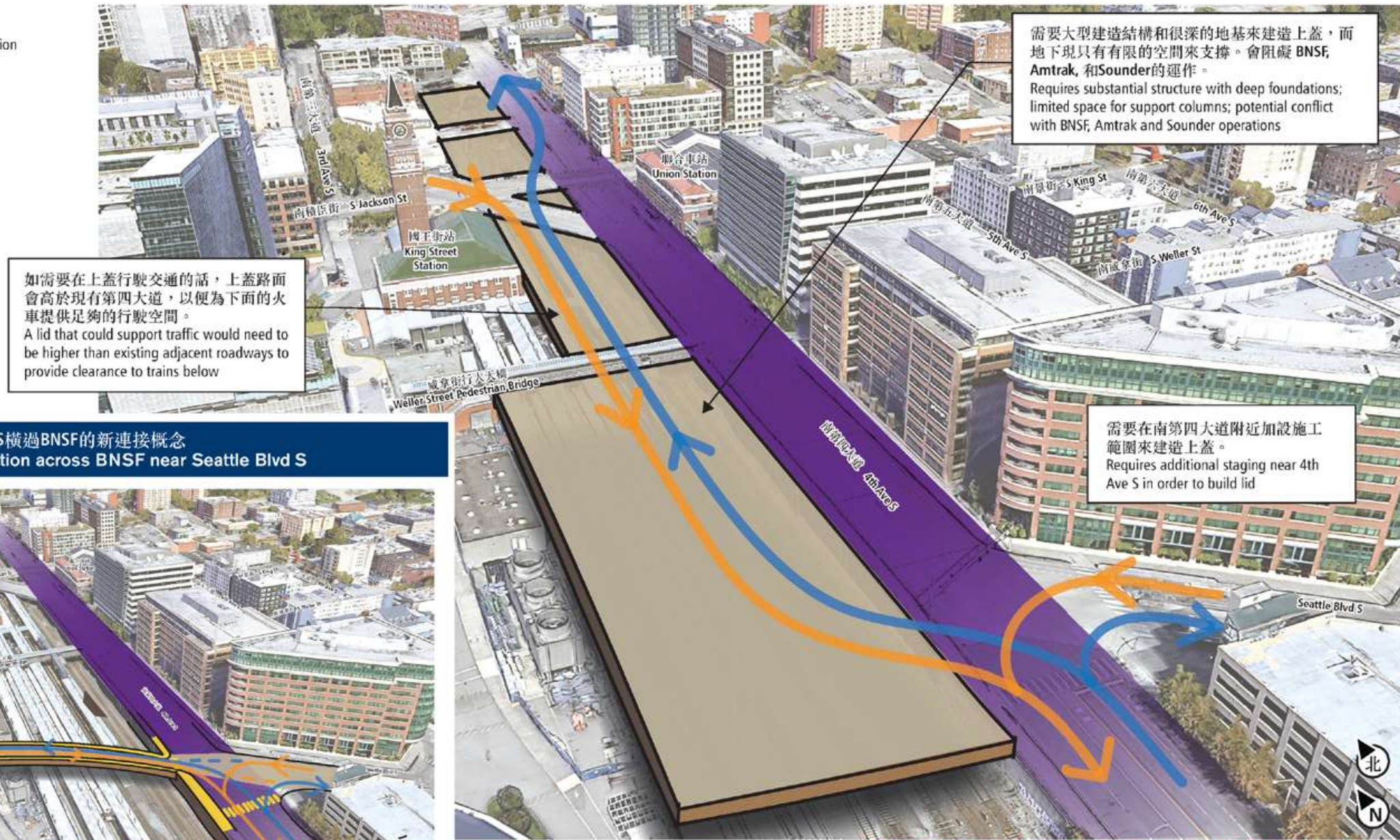


Diagrams are an approximate representation of station location for illustrative purposes only. 11/16/2022

# 《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.

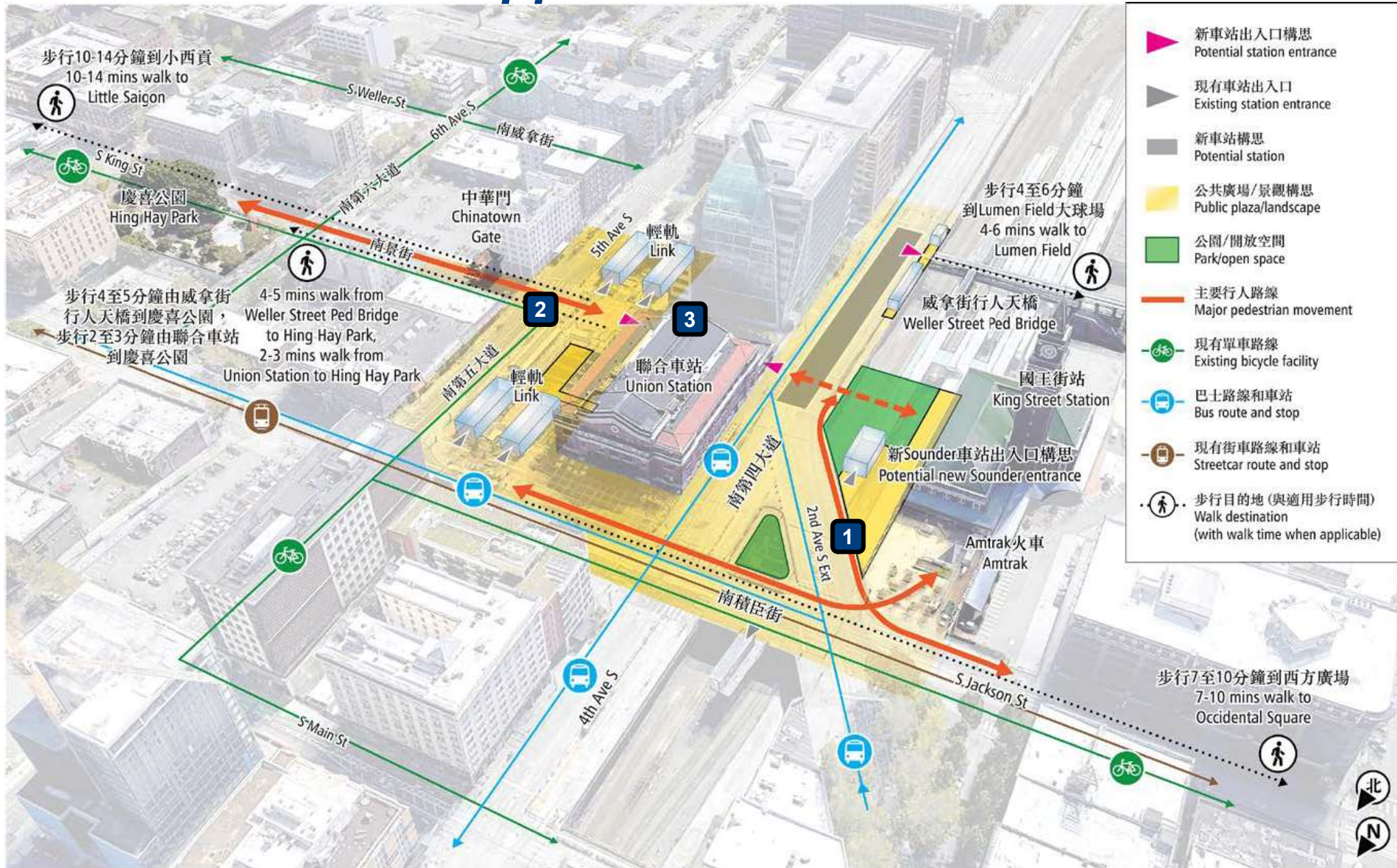


11/16/2022



# 南第四大道淺層: 機遇與問題

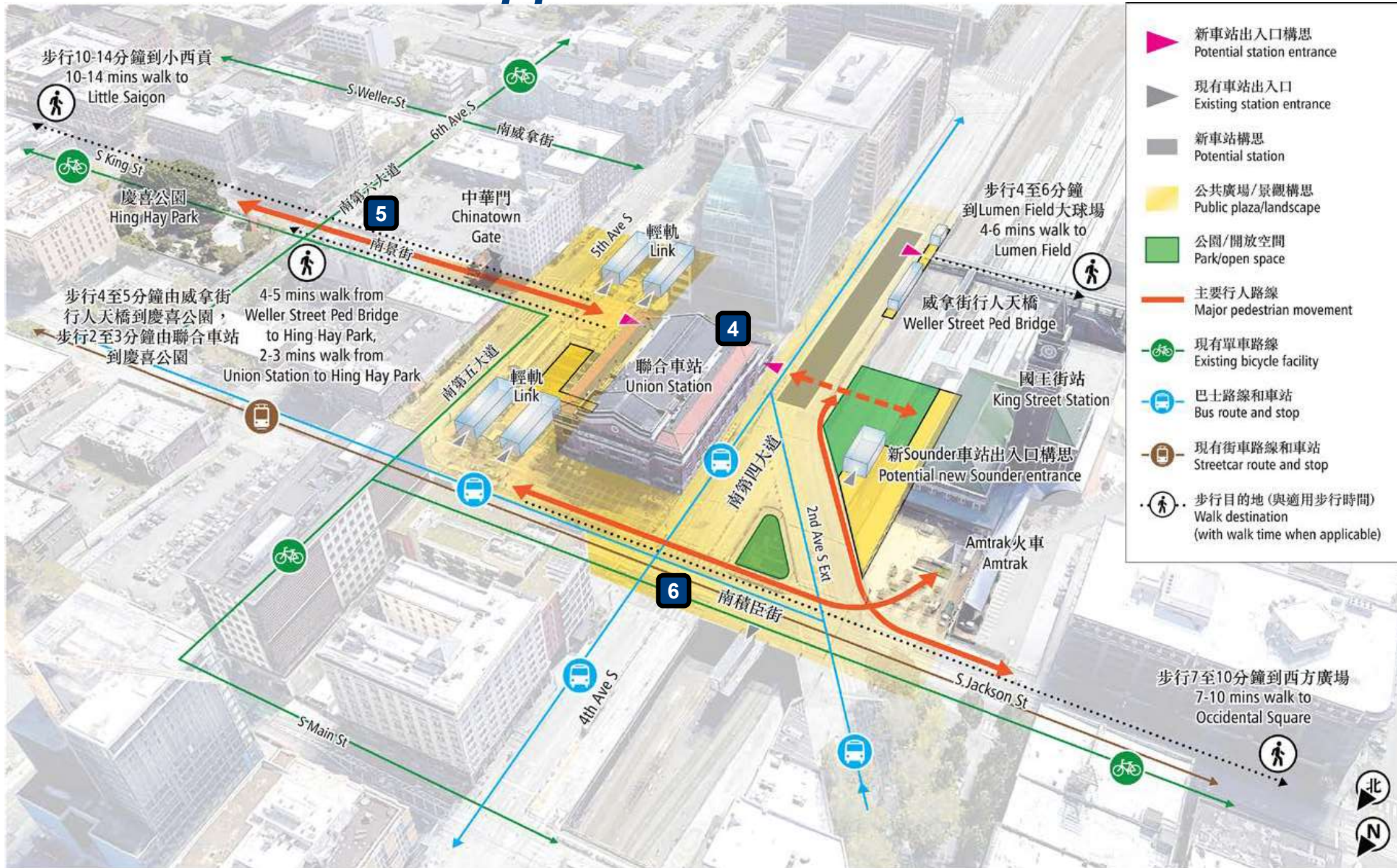
## 4th Ave Shallow: opportunities and issues



- 1** 具有公園空間, Sounder 車站出入口和活動空間的潛在上蓋  
 Potential lid with park space, Sounder access, and space for activities
- 2** 改善和激活廣場空間, 創造充滿活力的空間, 將社區成員聚集在一起  
 Improve and activate plaza space, to create lively space with uses to bring community members together
- 3** 車站大堂出入口將有助於激活聯合車站  
 Station entrance in the concourse would help to activate Union Station

# 南第四大道淺層: 機遇與問題

## 4th Ave Shallow: opportunities and issues



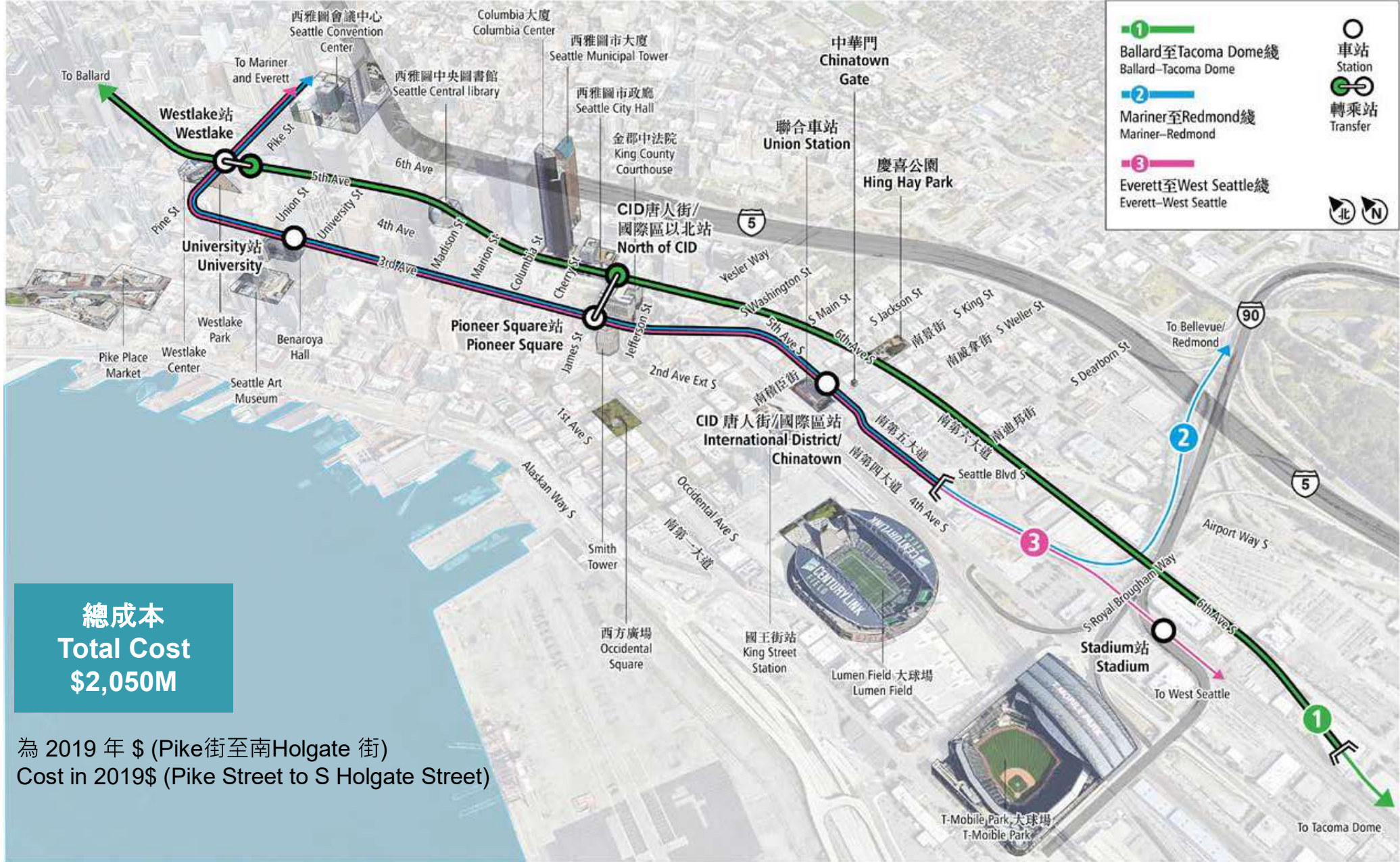
*進一步研究總結：*

*CID 唐人街/國際區以北 (沒有Midtown站)*

*Further study summary:*

*North of CID (No Midtown)*

# CID 唐人街/國際區以北 (沒有Midtown站) North of CID (No Midtown)



**總成本**  
**Total Cost**  
**\$2,050M**

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

## 載客量和乘客體驗 Ridership and passenger experience

一號線在兩個車站上的每日登車人次總和  
Total 1 Line daily boardings at 2 stations

**51,200 乘客**  
**passengers**

CID 唐人街/國際區以北站換乘時間  
Transfer time at North of CID

**3分 15 秒**  
**3m 15s**

車站深度 Station Depth  
CID 唐人街/國際區以北站  
North of CID

**80-105 英尺 feet**

## 社區和區域交通連接 Community and regional access

慶喜公園往SeaTac/機場站  
Hing Hay Park to SeaTac/Airport Station

**44 分鐘 minutes**

西方廣場往SeaTac/機場站  
Occidental Square to SeaTac/Airport Station

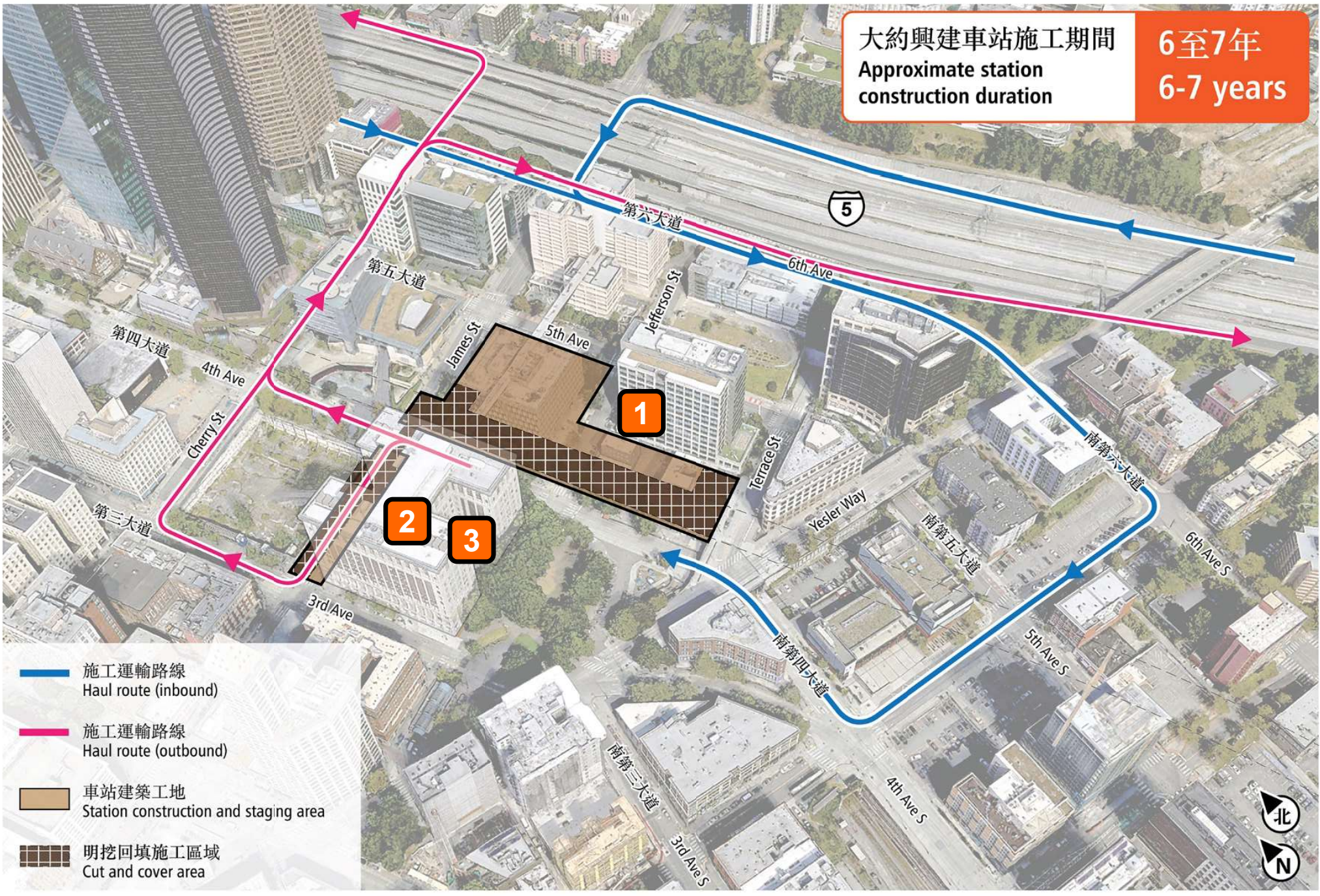
**45 分鐘 minutes**

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

**44 分鐘 minutes**

# CID唐人街/國際區以北車站: 施工時的影響

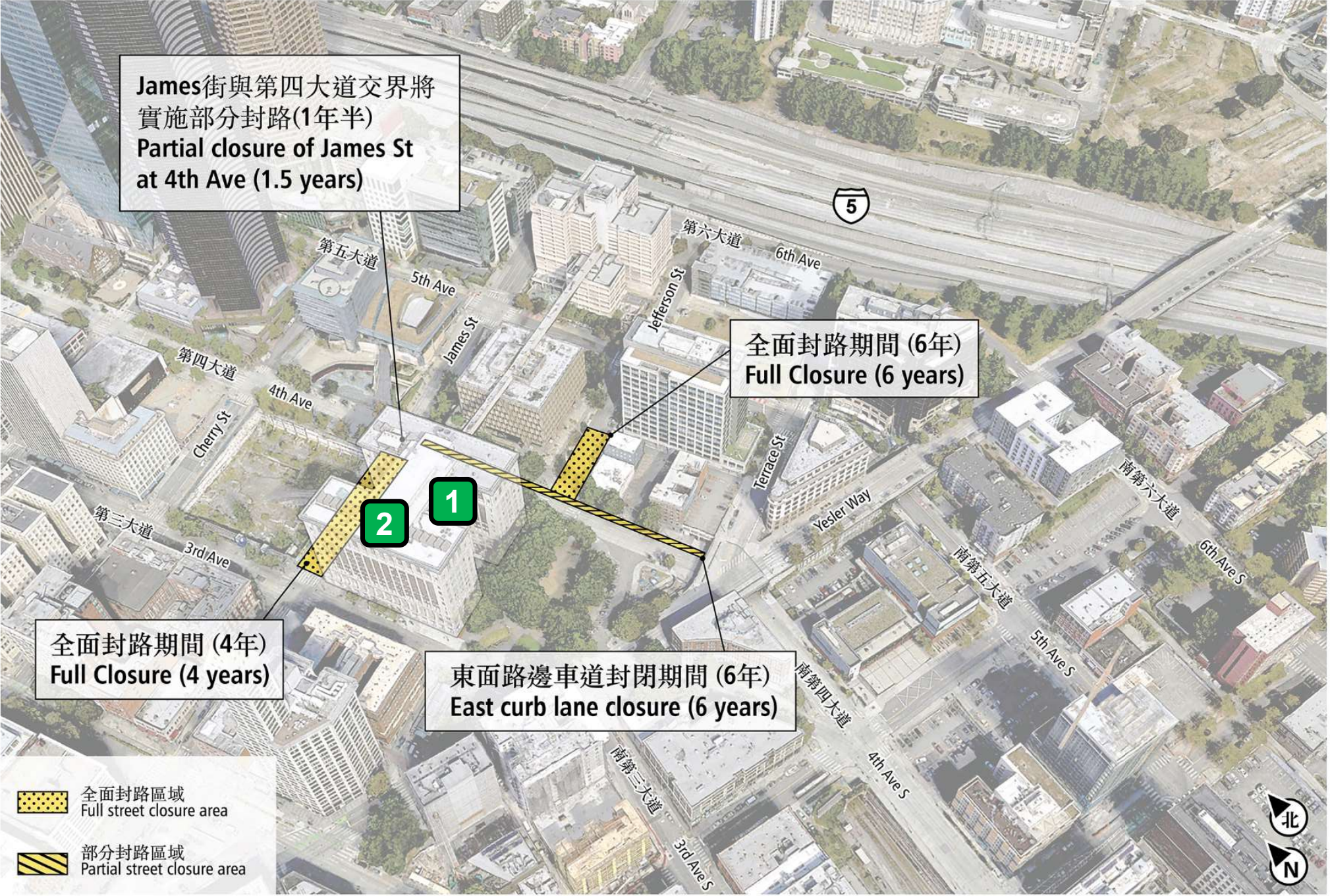
## North of CID: construction effects



- 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/國際區以北車站: 交通影響

## North of CID: traffic effects



**1** 與現有Pioneer Square站的地下連接走廊建設可能需要關閉第三和第四大道之間的James街, 具體取決於車站格局設計

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** 通過將地下連接走廊移動到私人物業來減少James街關閉的機會

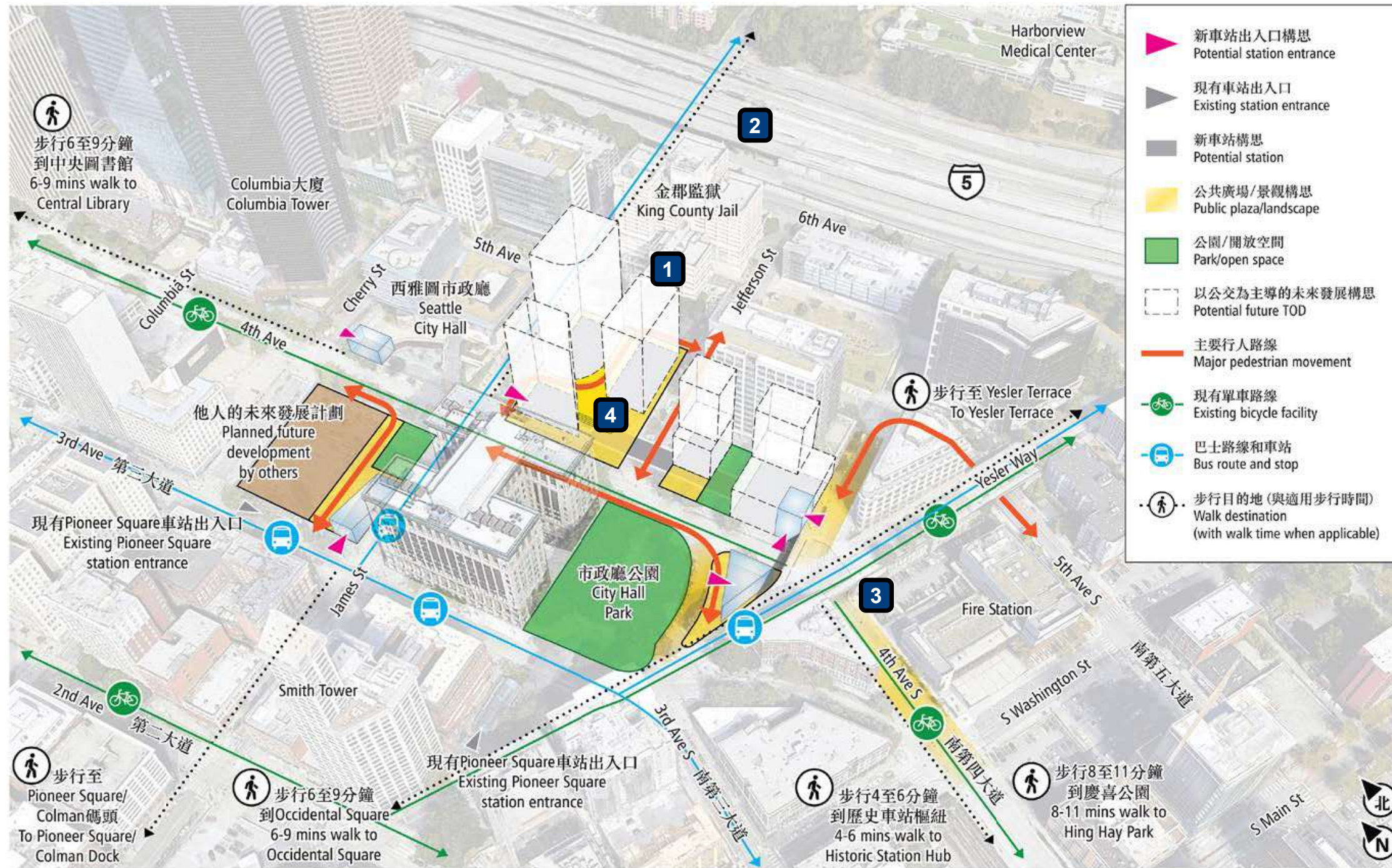
Opportunity to reduce James Street closure by moving underground connection onto private property

初步研究結果。分析仍在進行中，可能會作出變更。  
Preliminary findings. Analysis is ongoing and is subject to change.



# CID唐人街/國際區以北車站: 機遇與問題

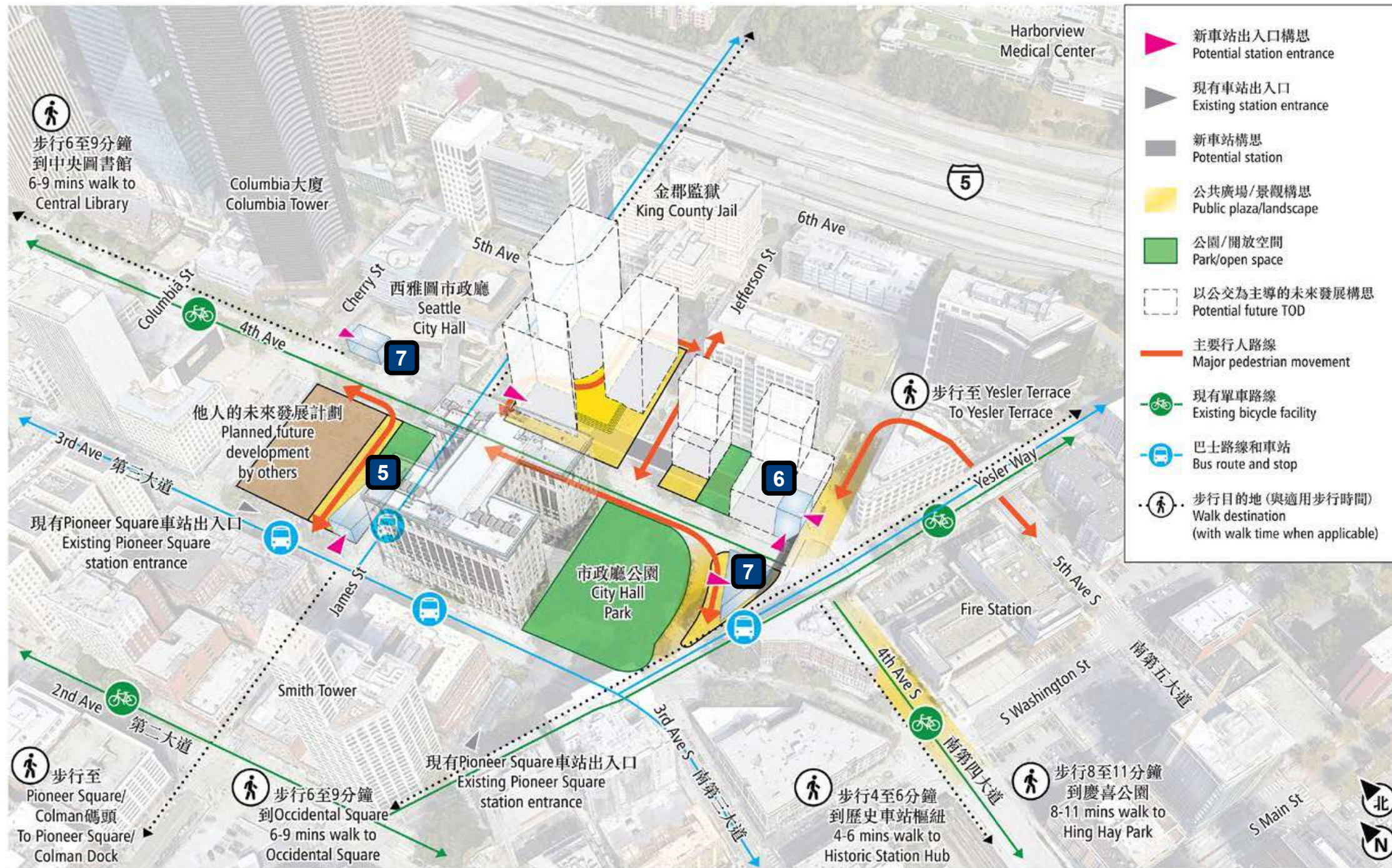
## North of CID: opportunities and issues



- 1 與金郡合作進行政府設施規劃，重點打造充滿活力社區  
Collaborate with King County on campus planning, focus on creating a vibrant neighborhood
- 2 橫跨 I-5 到 Harborview 的額外連接有助於解決高速公路作為障礙的問題  
Additional connections across I-5 to Harborview to help address the freeway as a barrier
- 3 提升與 CID 唐人街/國際區，以及沿第四大道的歷史悠久車站樞紐的連接  
Improve connection to CID and the historic station hub along 4th Ave
- 4 車站場地的 eTOD，包括零售、辦公室和住房  
eTOD at station site, incorporating retail, offices, and housing

# CID唐人街/國際區以北車站: 機遇與問題

## North of CID: opportunities and issues



*進一步研究總結：*

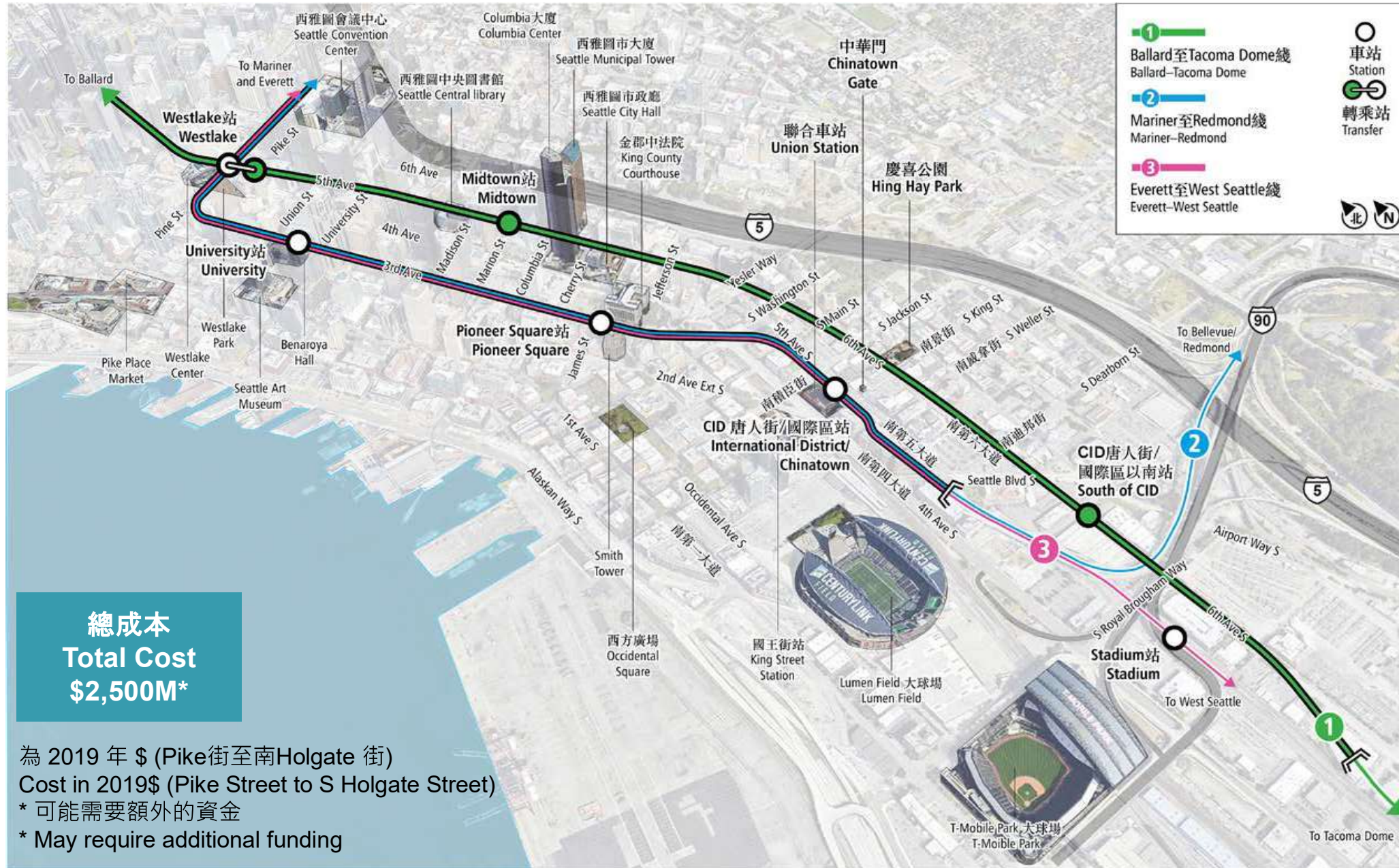
*CID 唐人街/國際區以南站+Midtown站*

*Further study summary:*

*South of CID + Midtown*

# CID 唐人街/國際區以南站+Midtown站

## South of CID + Midtown



### 載客量和乘客體驗

### Ridership and passenger experience

一號線在三個車站上的每日登車人次總和  
Total 1 Line daily boardings at 3 stations

**51,200 乘客**  
**passengers**

從CID 唐人街/國際區以南站到國際區/唐人街站換乘時間  
Transfer/access to ID/C from South of CID

**5-6 分**  
**5-6 minutes**

車站深度 Station Depth

Midtown 站 Midtown **140-145 英尺 feet**  
CID 唐人街/國際區以南站 South of CID **95-115 英尺 feet**

### 社區和區域交通連接

### Community and regional access

慶喜公園往SeaTac/機場站  
Hing Hay Park to SeaTac/Airport Station

**41 分鐘 minutes**

西方廣場往SeaTac/機場站  
Occidental Square to SeaTac/Airport Station

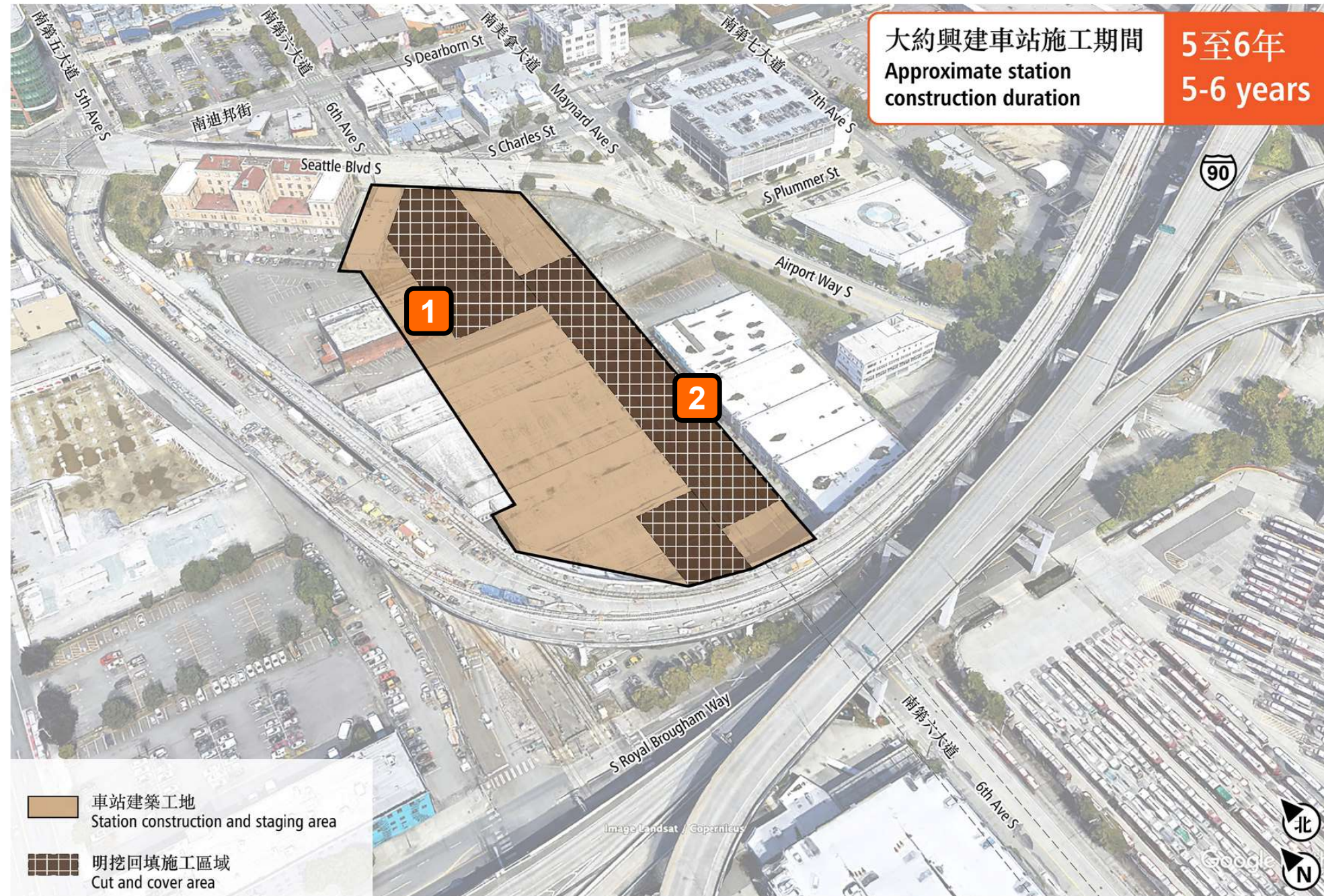
**47 分鐘 minutes**

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

**44-50 分鐘 minutes**

# CID唐人街/國際區以南車站: 施工時的影響

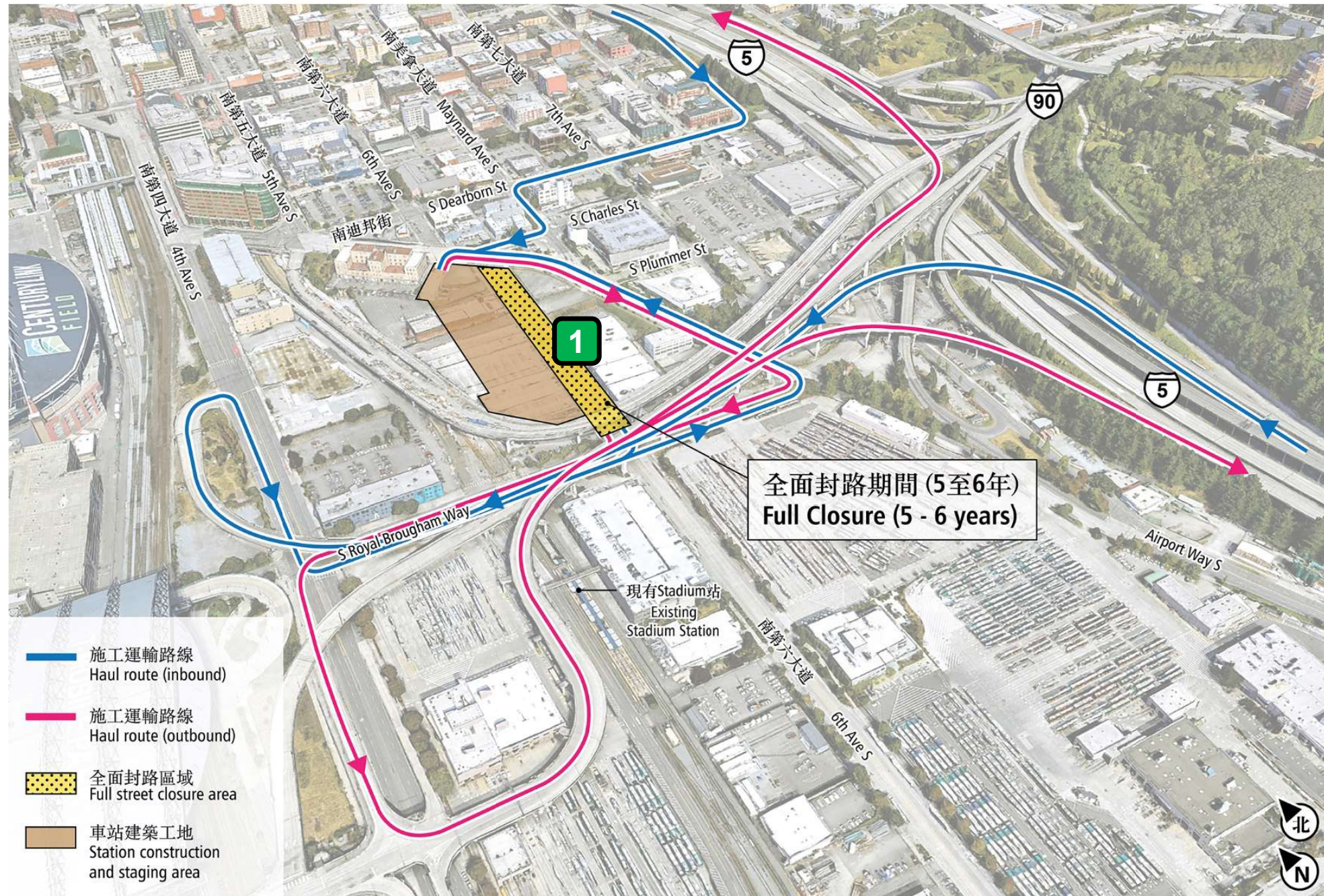
## South of CID: construction effects



- 1 車站出入口和建築工地需要與任何未來的發展計劃互相協調  
Station entrances and staging areas would need to be coordinated with any future development plans
- 2 與南第六大道的 16英寸高壓輸氣管線和計劃中的 SCL 高壓電力線存在潛在衝突  
Potential conflict with 16" high pressure gas line and planned SCL high voltage power line on 6th Ave S

# CID唐人街/國際區以南車站: 交通影響

## South of CID: traffic effects



**1** 施工需要完全關閉 Seattle Boulevard S 和 S Royal Brougham 之間的南第六大道, 這對整體交通和道路封閉影響較小

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/國際區以南車站: 機遇與問題

## South of CID: opportunities and issues



- 1** 連接到潛在的 *Sounder* 車站出入口和 *BNSF* 上的潛在行人天橋(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/國際區以南車站: 機遇與問題

## South of CID: opportunities and issues



**4** 將車站出入口納入潛在的未來 eTOD, 提供經濟適用住房和零售

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

**5** 激活連接公共空間、車站出入口和其他人的開發項目以激活的步行路線(合作夥伴關係和潛在的 eTOD 機會)

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

**6** 通過充足的行人道和照明以改善體育場的連接

Improve stadium connection with ample sidewalks and lighting



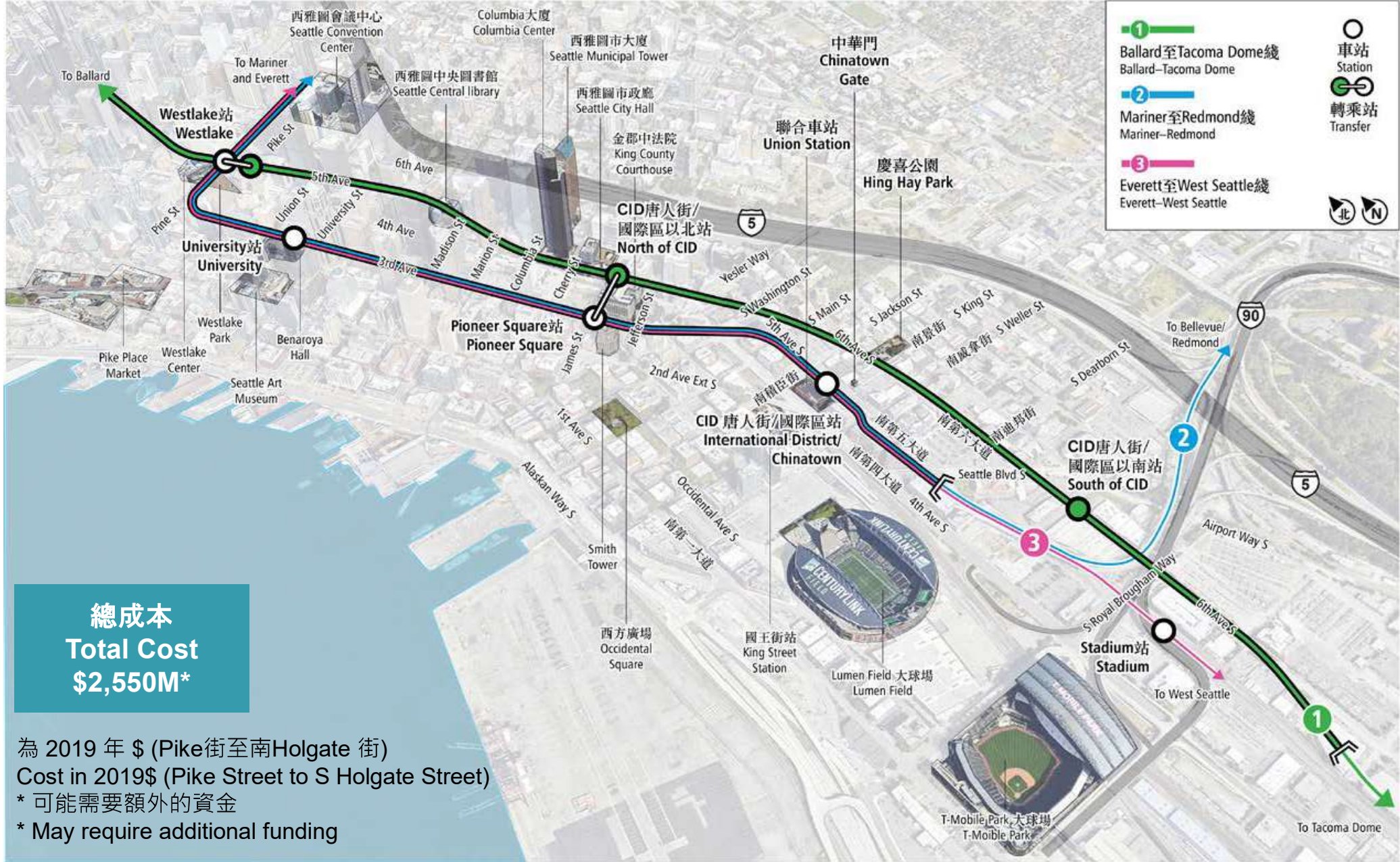
*進一步研究總結:*

*CID 唐人街/國際區以北站 + 以南站  
(沒有Midtown站)*

*Further study summary:*

*North + South of CID (No Midtown)*

# CID 唐人街/國際區以北站 + 以南站 (沒有Midtown站) North + South of CID (No Midtown)



## 載客量和乘客體驗 Ridership and passenger experience

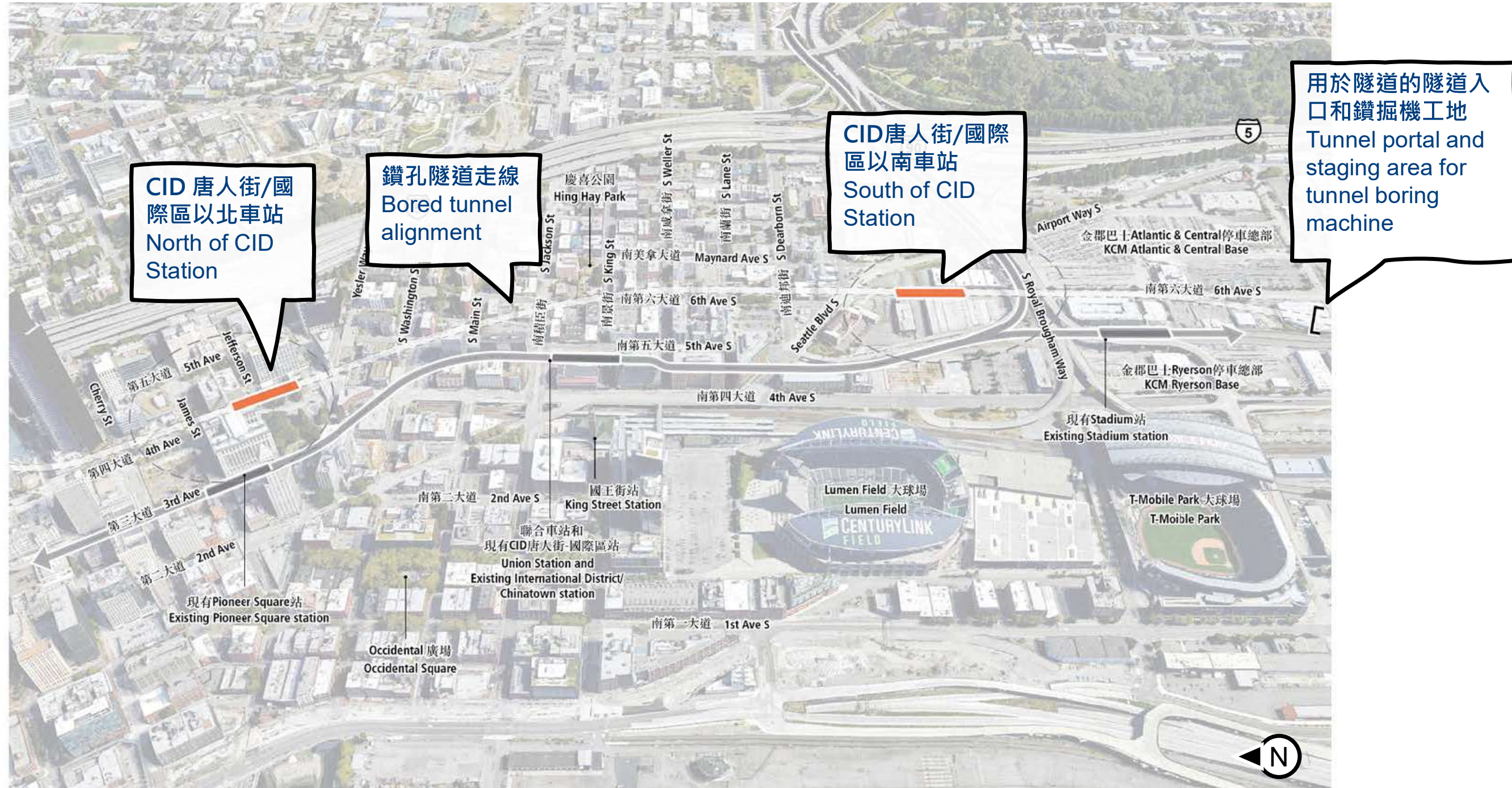
一號線在三個車站上的每日登車人次總和 Total 1 Line daily boardings at 3 stations	<b>51,500 乘客 passengers</b>
CID 唐人街/國際區以北站換乘時間 Transfer time at North of CID	<b>3分 15 秒 3m 15s</b>
車站深度 Station Depth	
CID 唐人街/國際區以北站 North of CID	<b>80-105 英尺 feet</b>
CID 唐人街/國際區以南站 South of CID	<b>95-115 英尺 feet</b>

## 社區和區域交通連接 Community and regional access

慶喜公園往SeaTac/機場站 Hing Hay Park to SeaTac/Airport Station	<b>41 分鐘 minutes</b>
西方廣場往SeaTac/機場站 Occidental Square to SeaTac/Airport Station	<b>46 分鐘 minutes</b>
Bellevue 市中心站往 Columbia City站 Downtown Bellevue to Columbia City	<b>45 分鐘 minutes</b>

# CID 唐人街/國際區以北站 + 以南站) : 主要特點概述

## North + South of CID: key features overview



## 行程時間總結 Travel time summary

第四大道淺層站+  
Midtown站  
4th Avenue Shallow  
+ Midtown

CID 唐人街/國際區以北站  
(沒有Midtown站)  
North of CID  
(No Midtown)

CID 唐人街/國際區以南站  
+Midtown站  
South of CID  
+ Midtown

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

慶喜公園往Sea/Tac機場站  
Hing Hay Park to  
SeaTac/Airport Station

**39 min**  
(經國際區/唐人街站)  
(via ID/C)

**44 min**  
(經國際區/唐人街站到SODO站)  
(via ID/C to SODO)

**41 min**  
(經CID 唐人街/國際區以南站)  
(via CID south)

**41 min**  
(經CID 唐人街/國際區以南站)  
(via CID south)

西方廣場往Sea/Tac機場站  
Occidental Square to  
SeaTac/Airport Station

**46 min**  
(經國際區/唐人街站)  
(via ID/C)

**45 min**  
(經CID 唐人街/國際區以北站)  
(via CID North)

**47 min**  
(經先鋒廣場和在SODO站轉乘)  
(via Pioneer Square and transfer at  
SODO)

**46 min**  
(經CID 唐人街/國際區以北站)  
(via CID North)

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

**41 min**  
(經國際區/唐人街站轉乘)  
(via ID/C transfer)

**44 min**  
(經CID 唐人街/國際區以北站乘轉)  
(via CID North transfer)

**44 – 50 min**  
(經國際區/唐人街站步行至  
CID 唐人街/國際區以南站)  
( via ID/C to CID south walk)  
**49 min**  
(經 Westlake站轉乘)  
(via Westlake transfer)

**45 min**  
(經CID 唐人街/國際區以北站乘轉)  
(via CID North transfer)

Kent Sounder 站往SLU站  
Kent Sounder to SLU  
Station

**53 min**  
(經步行至國際區/唐人街站)  
(via walk to ID/C)

**58 min**  
(經步行至CID 唐人街/國際區以北站)  
(via walk to CID North)  
**56 min**  
(經步行至國際區/唐人街站和  
在CID 唐人街/國際區以北站轉乘)  
(via ID/C and transfer at CID North)

**57 min**  
(經步行至CID 唐人街/國際區以南站)  
(via walk to CID South)

**57 min**  
(經CID 唐人街/國際區以南站)  
(via walk to CID South)

**轉入小組討論**

***Transition to small group  
discussions***

# 今天研討會的目標

## Goals for today's workshop

### 分享進一步研究總結：

- 交通和社區連接
- 建築和交通影響
- 車站概念機遇與問題

### 收集您的反饋：

*您對進一步的研究結果有何看法，以及研究結果如何與社區目標保持一致？*

*您希望我們與 Sound Transit 委員會分享什麼？*

*我們如何為您提供後續步驟並繼續參與？*

### 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?*

**報告**

***Report out***

**後續步驟**

***Next steps***



# CID 唐人街/國際區互動參與過程

## CID Engagement Process



Process informed by CID Engagement Toolkit and discussions with community

### Key Questions

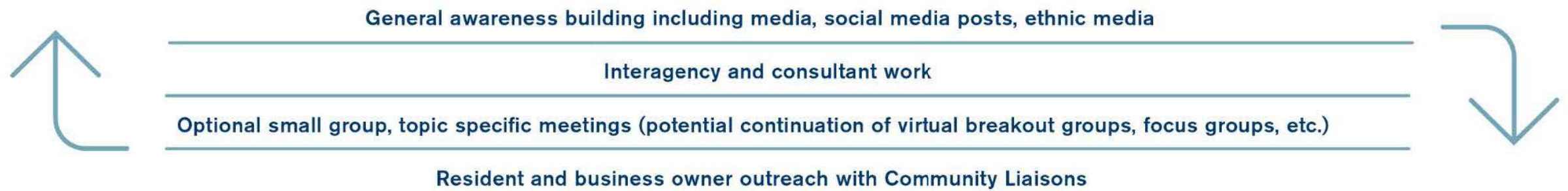
- What hasn't worked with previous engagement?
- What does a transparent process look like?
- What would you like to see in the process?
- Would you like a facilitator?

### 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.

謝謝。  
*Thank you.*



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