



# ***West Seattle and Ballard Link Extensions***

**CID唐人街/國際區進一步研究  
CID Further Studies**

**研討會三 Workshop 3:  
關鍵問題 Key issues**

12/14/2022

# 我們聽到的內容

## What we heard

字體大小是基於研討會#1和#2中投票活動的結果。  
Responses are sized based on the dot polling activity result in Workshop #1.

安全設施, 比如路燈  
Safety features, e.g. lighting

餐飲/食物/零售  
Dining/food/vending

零售空間/售貨亭  
Retail spaces/kiosks

標示設施, 比如行人導向標示、公共藝術  
Signage, e.g. wayfinding, public art

園境設計  
Landscaped areas

公眾設施, 比如座位區、自行車停放處  
Public amenities, e.g. sitting areas, places for bicycles

活動, 比如社區活動、市集、表演、展覽、鍛鍊課程  
Activities, e.g. community events, markets, performances, exhibitions, exercise classes

### 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

鍛鍊課程 Exercise classes 藝術或文化展覽 Art or cultural exhibitions

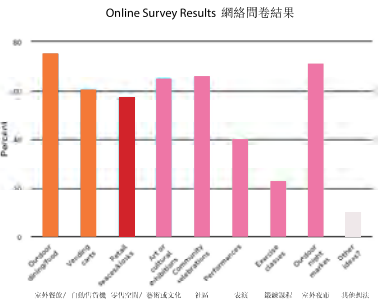
零售空間/售貨亭  
Retail spaces/kiosks

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)



### 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?

社區介紹的訊息 Neighborhood Information

行人導向標示 Wayfinding signs

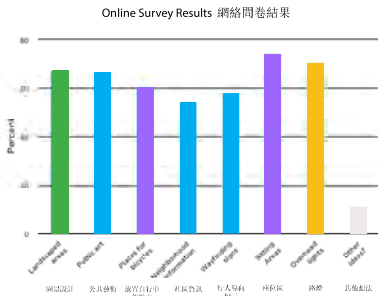
多語言標示 Multilingual signs 放置自行車的地方 Places for bicycles

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



### 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

鍛鍊課程 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

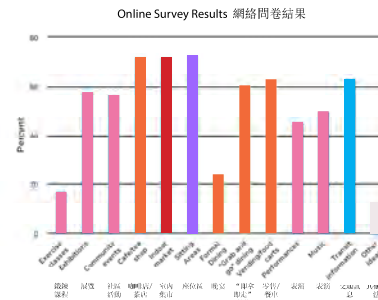
警務人員 Police presence

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

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



### 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

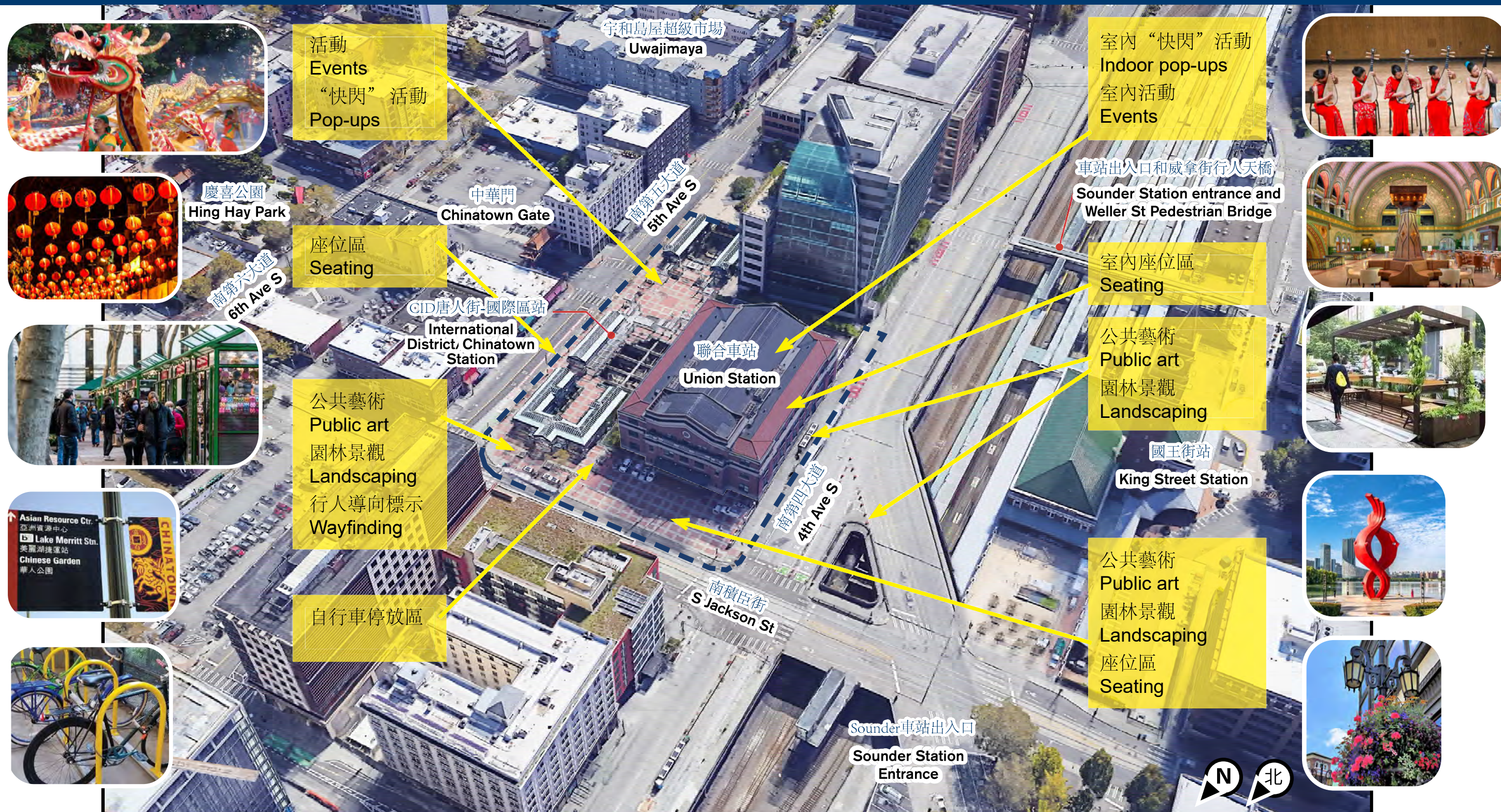
結果是基於公眾參與的反饋, 包括兩個研討會和網絡問卷。  
我們總共收到了大約230份網絡問卷, 其中大約有80份完成的問卷。

Results are based on input from public engagement process including two workshops and online survey.  
We received approximately a total of about 230 online questionnaires, of which about 80 were complete.





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



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。

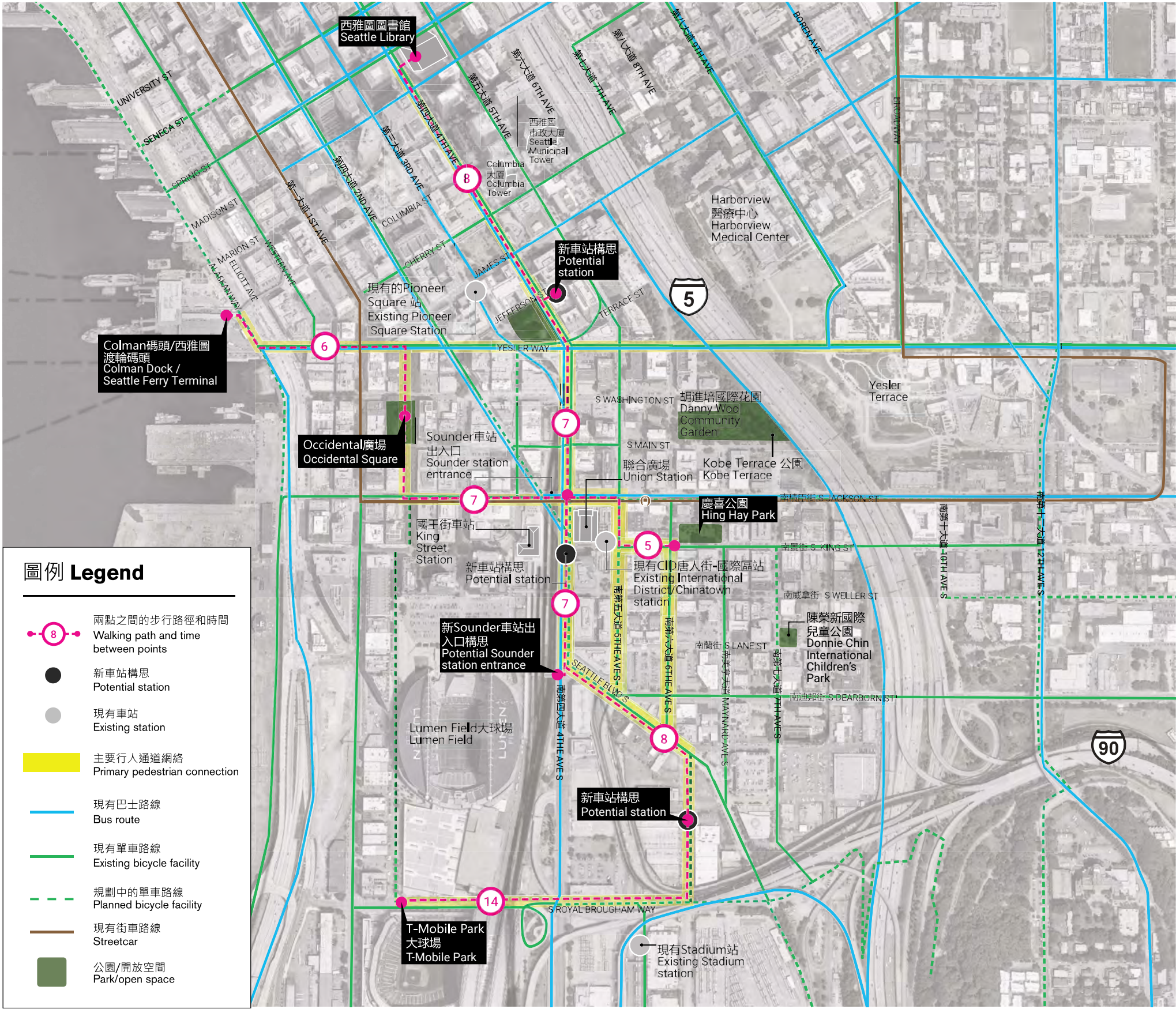
Potential activities and locations are based on input from public engagement process including two workshops and online survey.



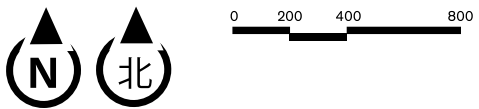
聯合車站和廣場 Union Station and plaza area



# CID network and access plan diagram



初步設計概念.設計仍在進行中,可能會作出變更.  
Preliminary concept. Design is ongoing and is subject to change.



CID唐人街-國際區以北:步行範圍  
North of CID: Walkshed



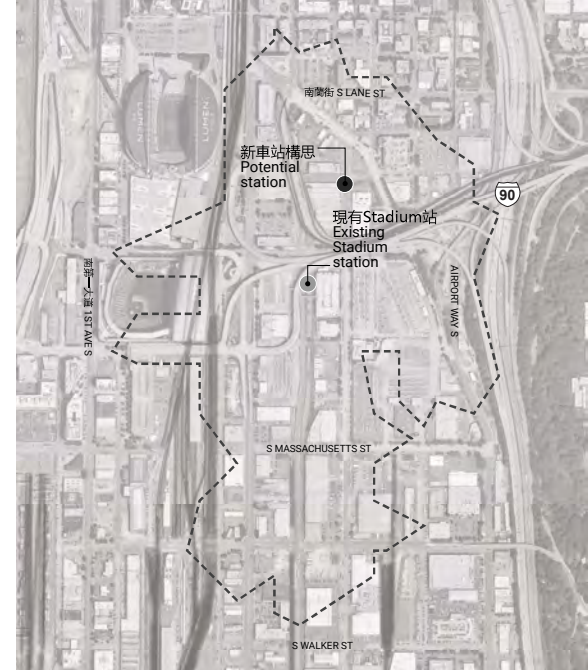
Note: Dashed line represents 10-minute walkshed from station

第四大道淺層方案:步行範圍  
4th Ave Shallow: Walkshed



Note: Dashed line represents 10-minute walkshed from station

CID唐人街-國際區以南:步行範圍  
South of CID: Walkshed

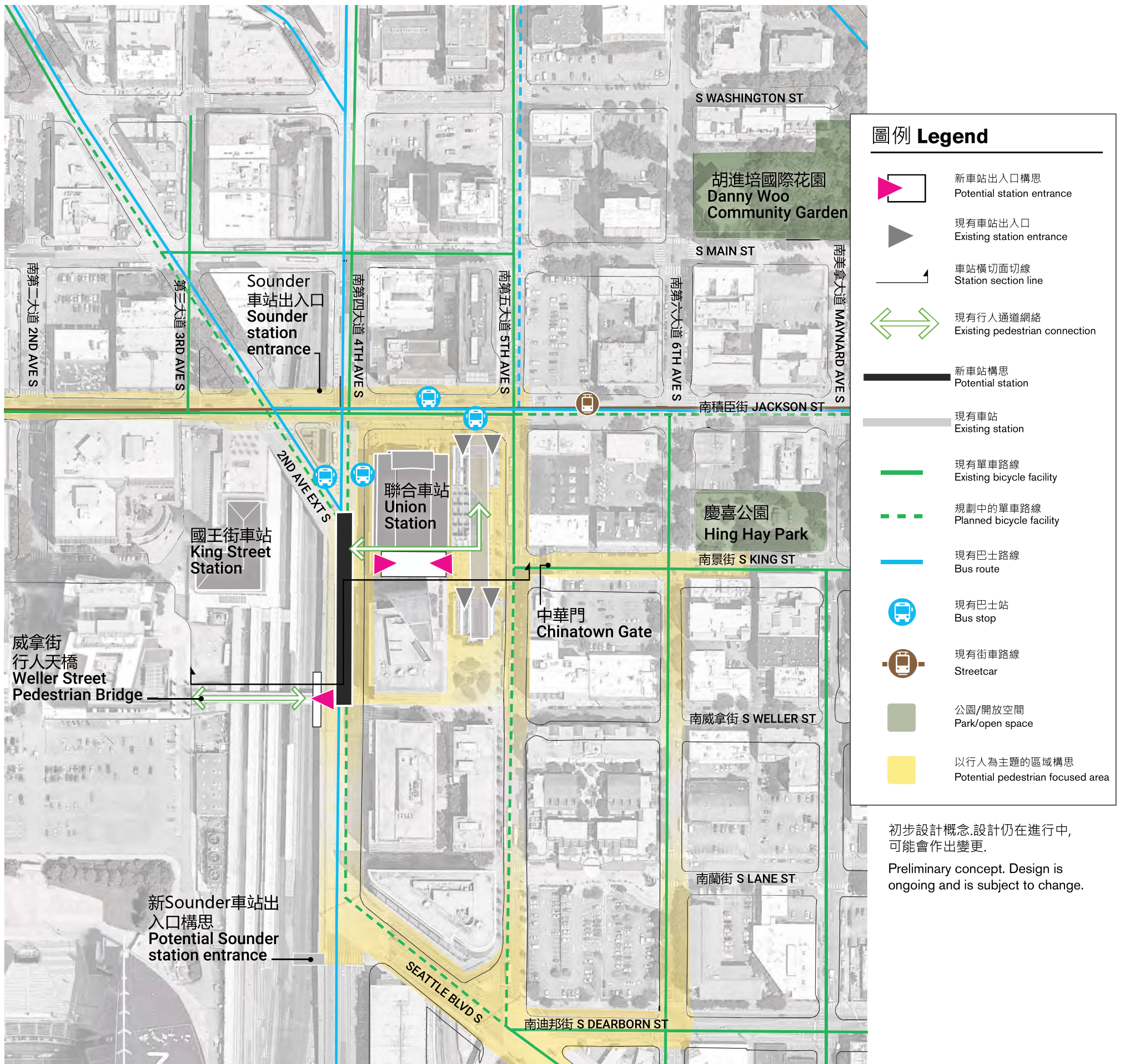


注：虛線代表距離車站10分鐘的步行距離  
Note: Dashed line represents 10-minute walkshed from station



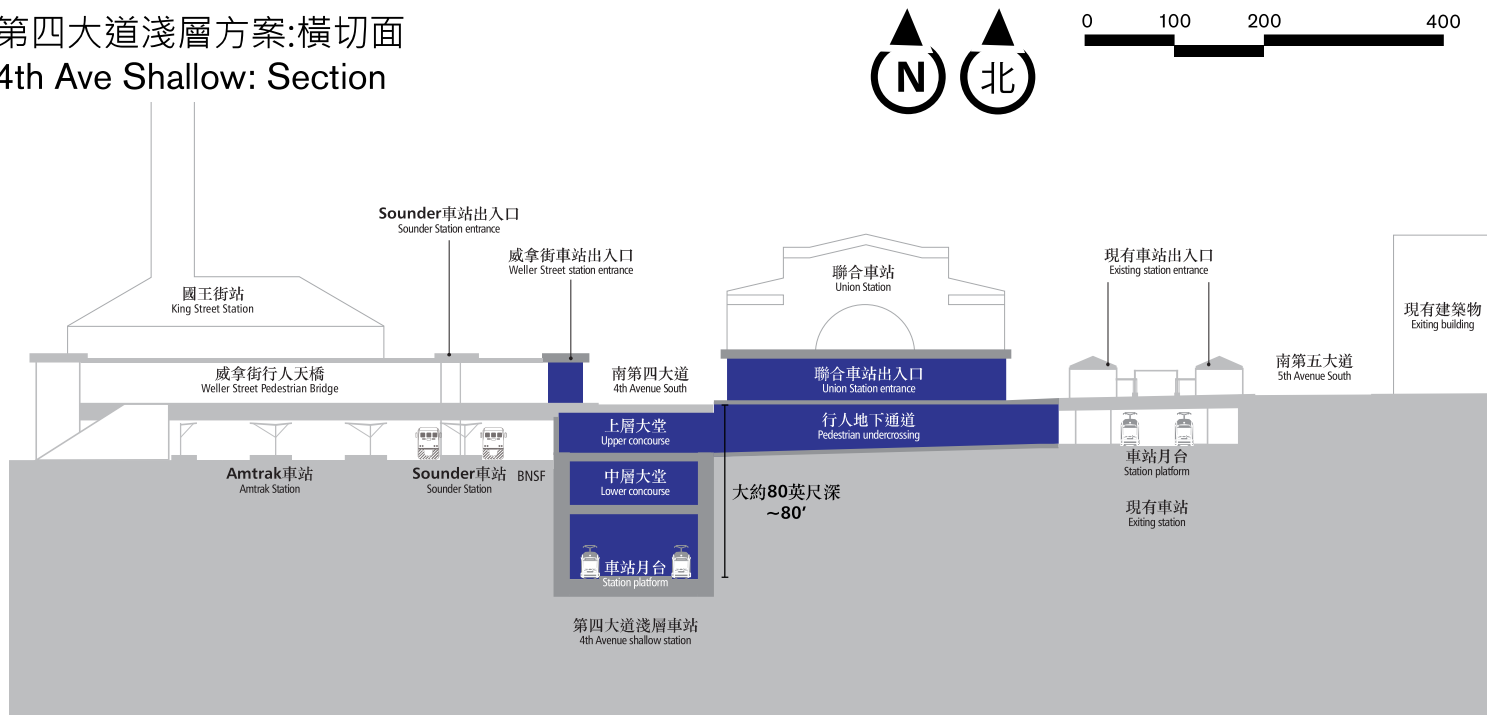
# 第四大道淺層方案: 車站週邊環境規劃

## 4th Ave Shallow: Station context plan



初步設計概念, 設計仍在進行中, 可能會作出變更。  
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第四大道淺層方案: 橫切面  
4th Ave Shallow: Section



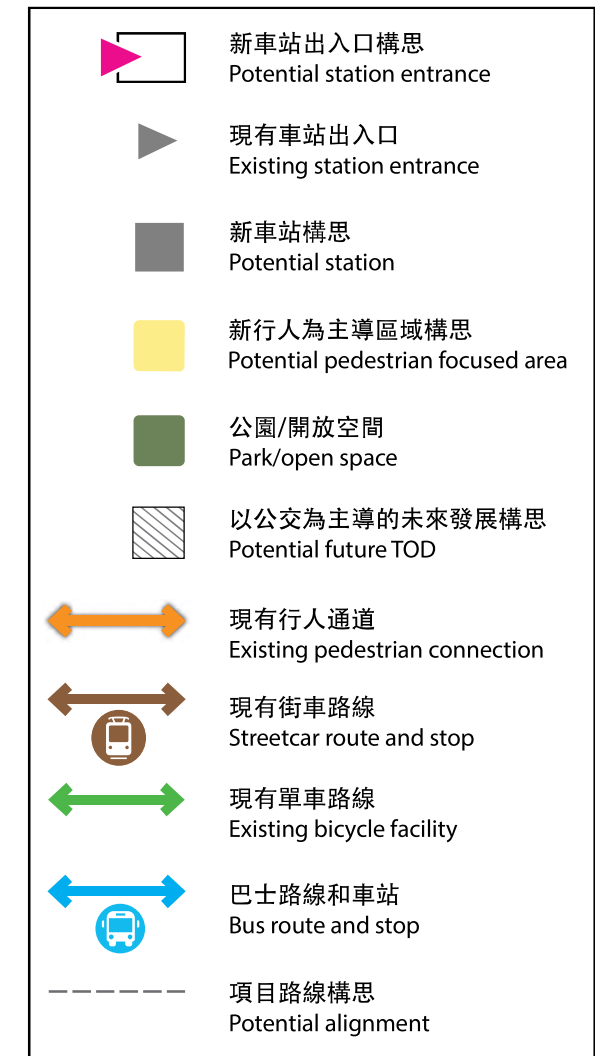
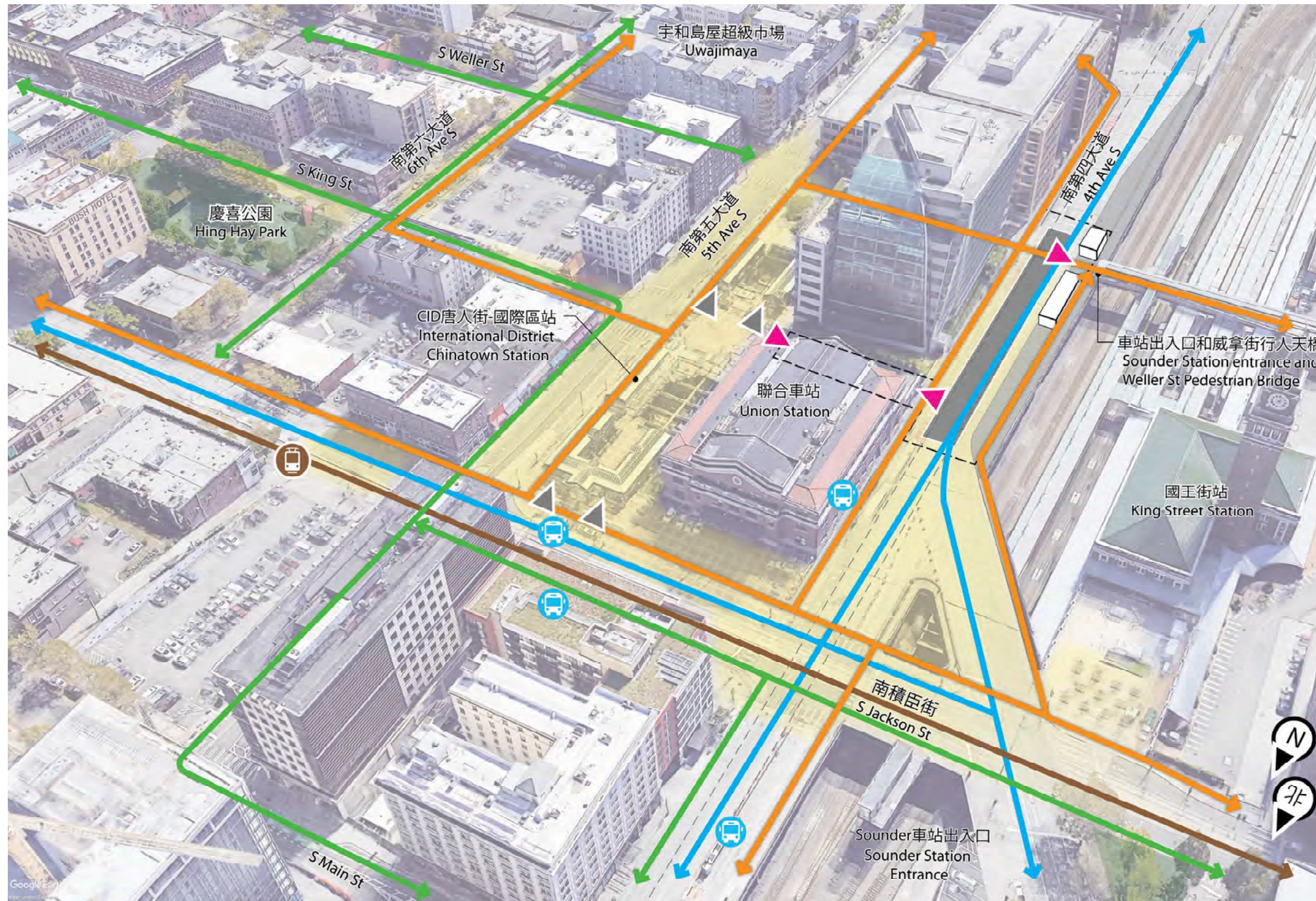
以上圖表展示車站的設計和構思並非按比例繪製, 目的只供參考和說明目的。  
車站建築和景觀設計尚未完成。

Diagrams are an approximate representation of station configuration for illustrative purposes only. Station architectural and landscape design is not completed.



# 第四大道淺層方案: 車站環境鳥瞰圖

## 4th Ave Shallow: Station Context Bird's Eye



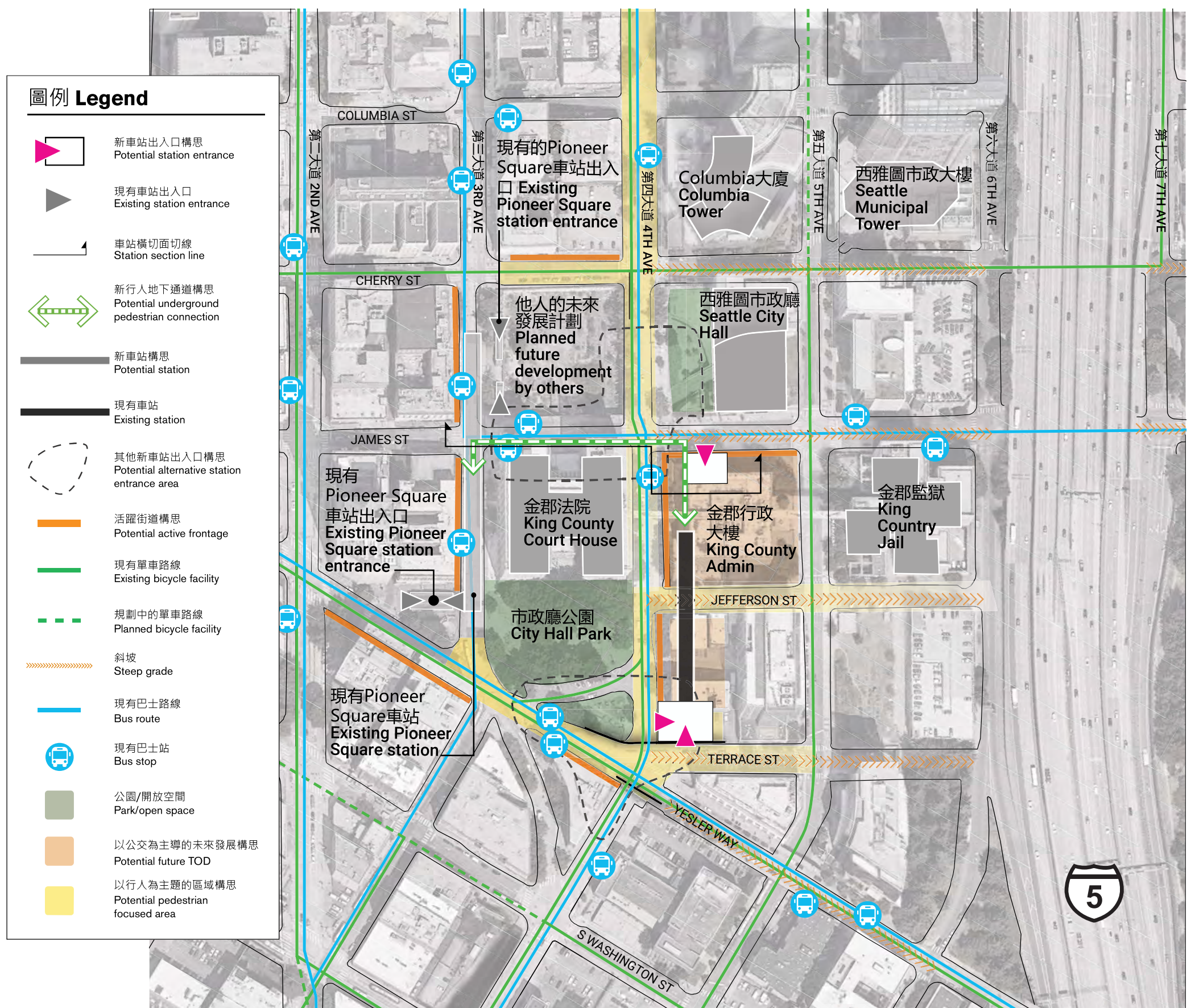
初步設計概念. 設計仍在進行中, 可能會作出變更.

Preliminary concept. Design is ongoing and is subject to change.



# CID唐人街-國際區以北:車站週邊環境規劃

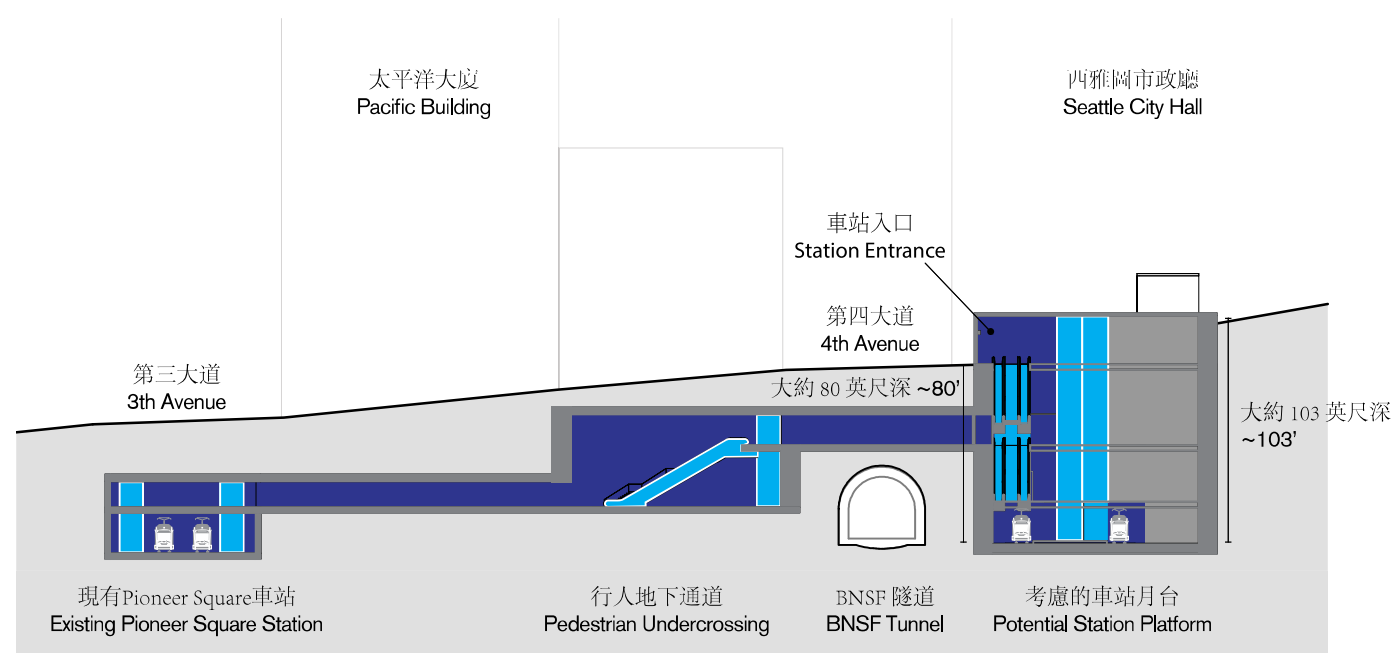
## North of CID: Station context plan



CID唐人街-國際區以北:橫切面  
North of CID: Section



初步設計概念.設計仍在進行中, 可能會作出變更。  
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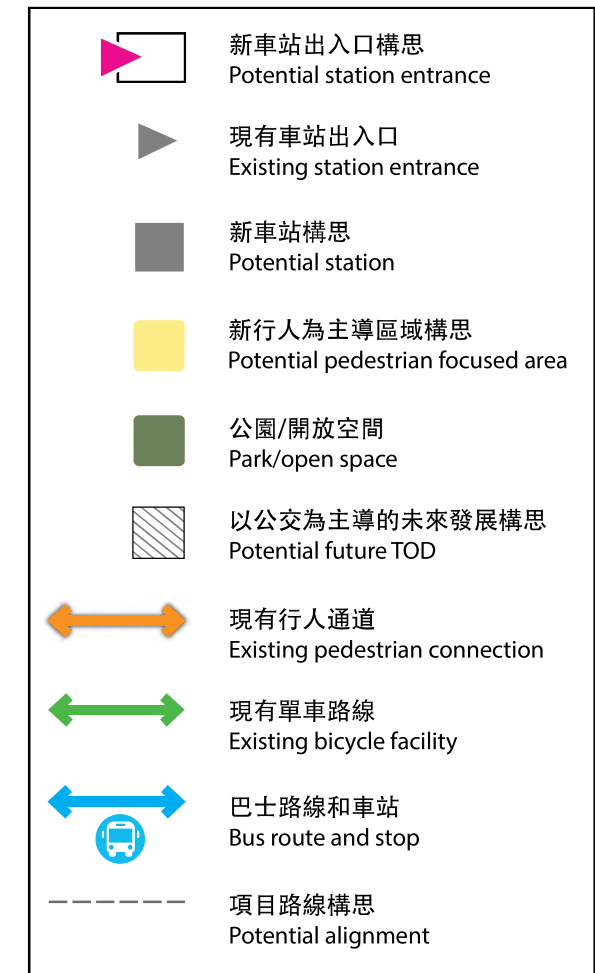
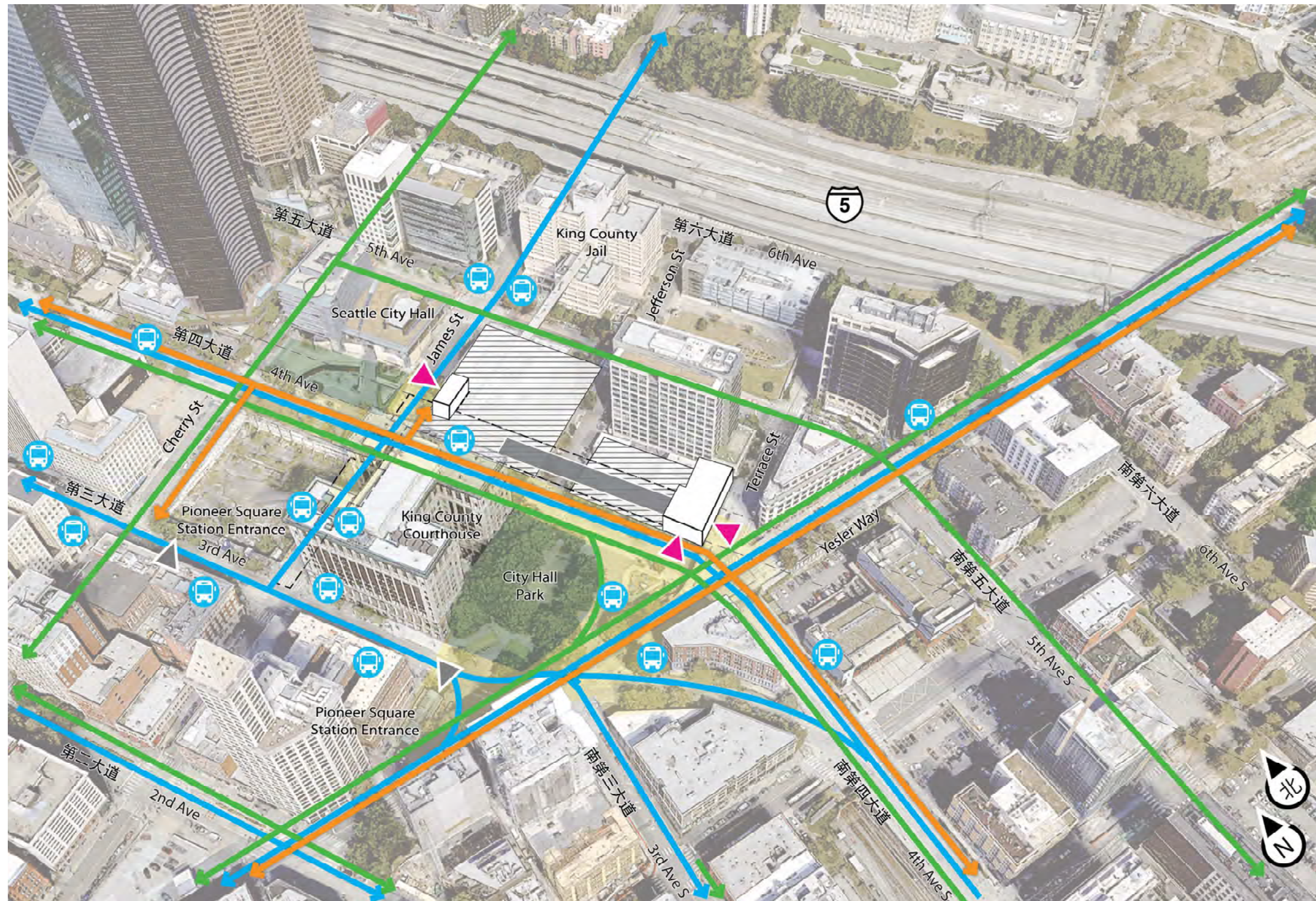


以上圖表顯示車站的設計和構思並非按比例繪製, 目的只供參考和說明目的。  
Station architectural and landscape design are not completed.



# CID 唐人街-國際區以北: 車站環境鳥瞰圖

## North of CID: Station Context Bird's Eye



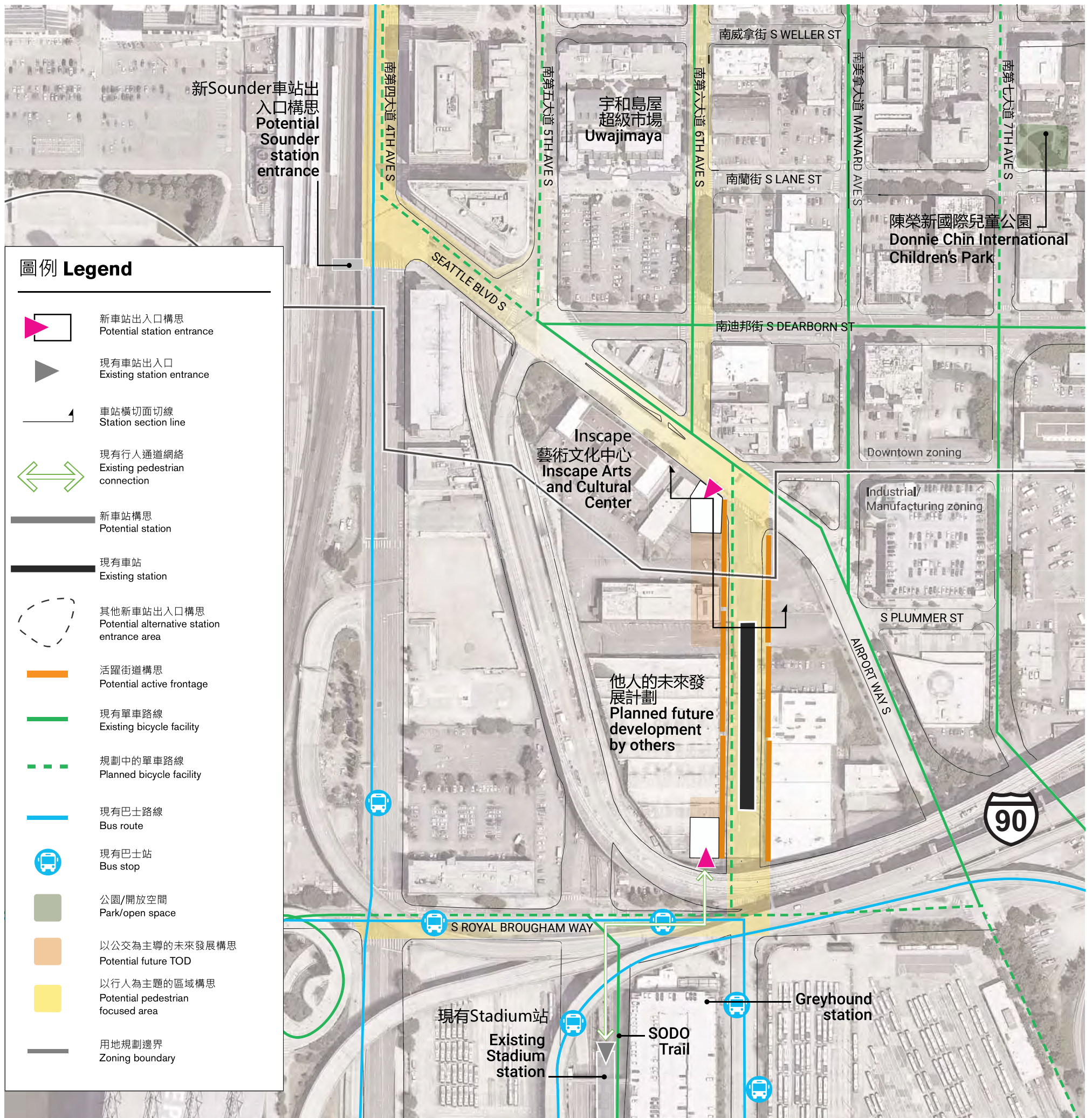
初步設計概念. 設計仍在進行中, 可能會作出變更.

Preliminary concept. Design is ongoing and is subject to change.

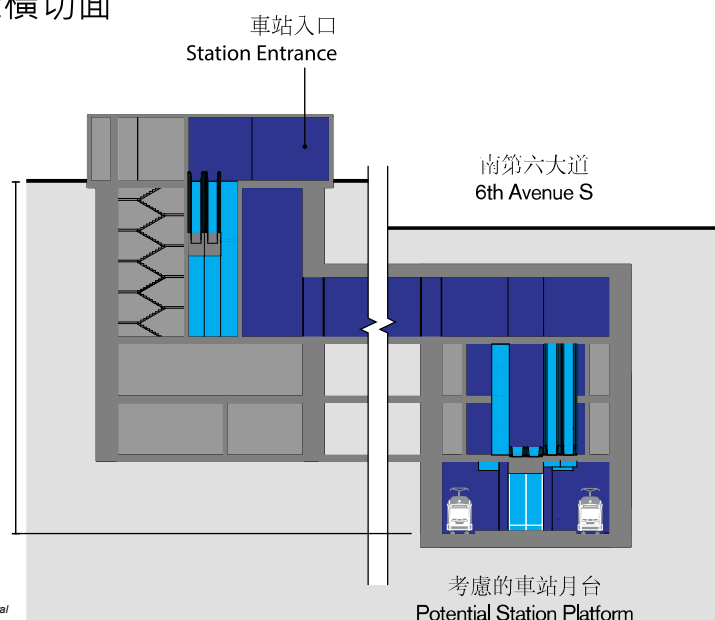


# CID唐人街-國際區以南:車站週邊環境規劃

## South of CID: Station context plan



CID唐人街-國際區以南:橫切面  
South of CID: Section



以上圖表展示車站的設計和構思並非比例繪圖，目的只作供參考和說明。車站建築和景觀設計尚未完成。  
Diagrams are an approximate representation of station configuration for illustrative purposes only. Station architectural and landscape design are not completed.



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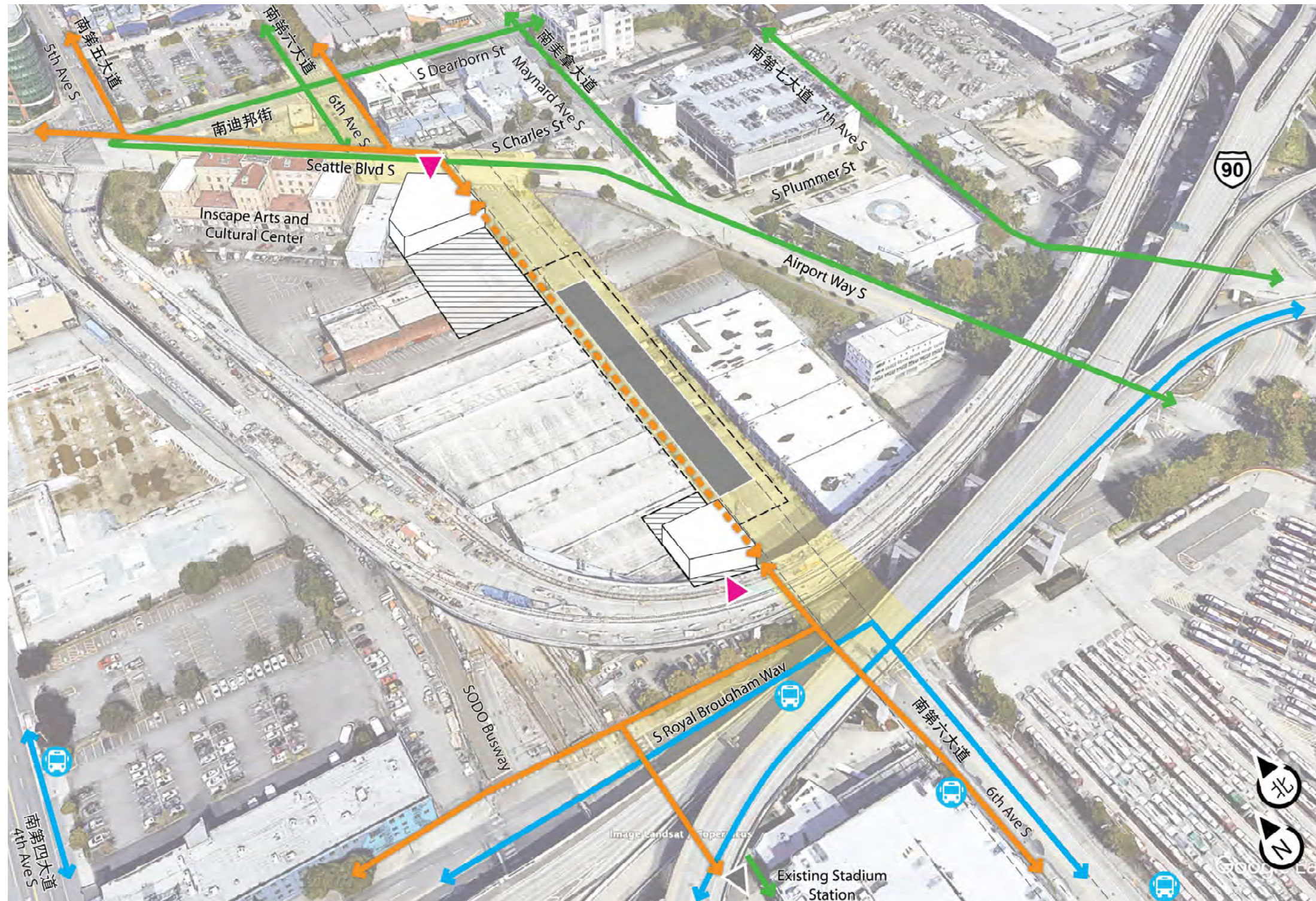
初步設計概念，設計仍在進行中，可能會作出變更。

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# CID 唐人街-國際區以南: 車站環境鳥瞰圖

## South of CID: Station Context Bird's Eye



初步設計概念. 設計仍在進行中, 可能會作出變更.

Preliminary concept. Design is ongoing and is subject to change.



# 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 1 Key finding

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 2 Key finding

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 3 Key finding

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 4 Key finding

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 5 Key finding

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

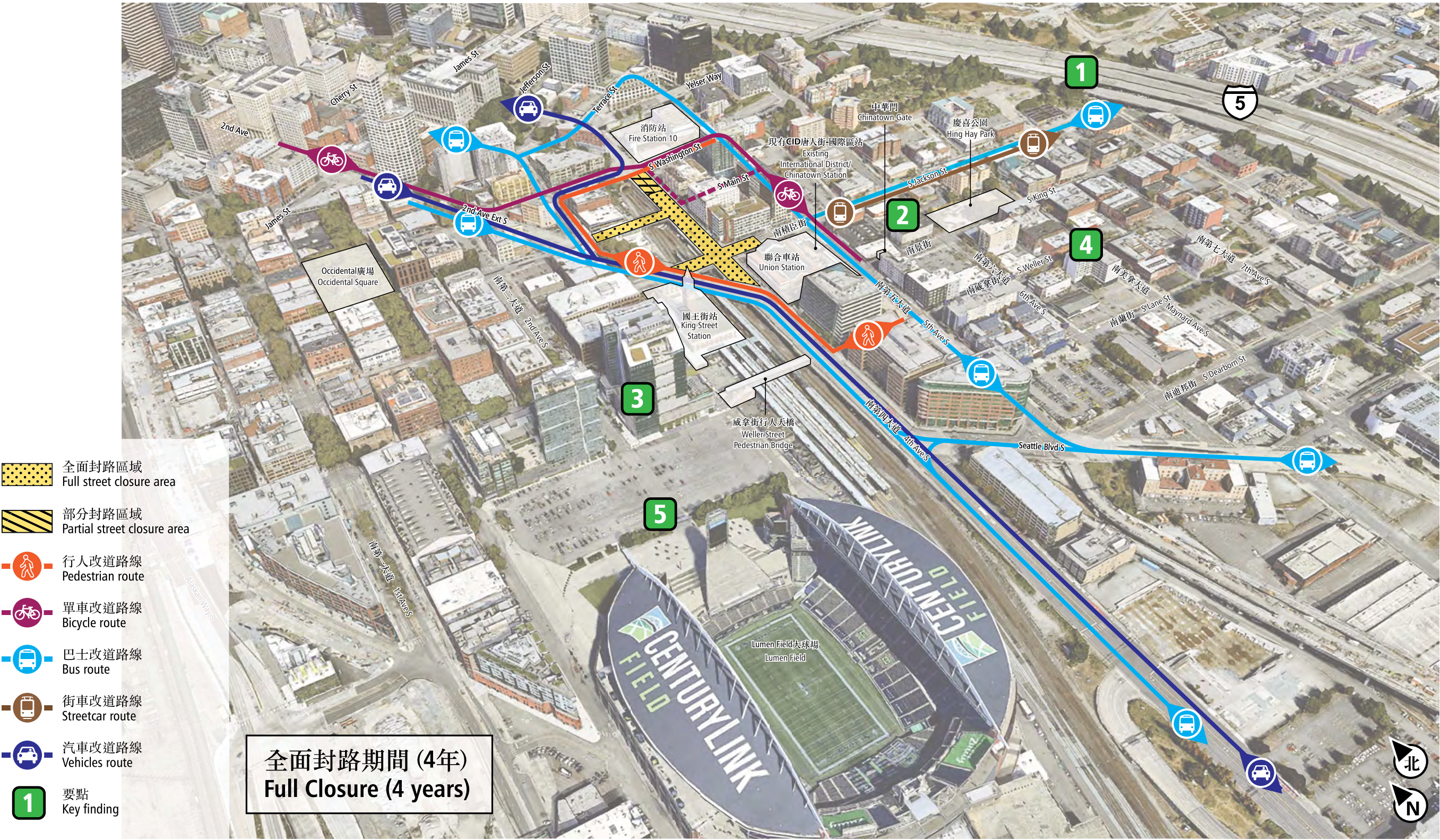
- 5a 鼓勵使用其他交通模式（其他公共交通工具，多人乘坐私家車，等等）  
Encourage use of other modes (transit, carpool, etc.)
- 5b 在Lumen Field大球場以西和以北提供停車選擇，以防止交通進入CID唐人街-國際區/施工區域  
Provide parking options west and north of Lumen Field to keep traffic out of CID/construction area
- 5c 實施方法以防止私人汽車停泊在CID唐人街-國際區內  
Implement methods to 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

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.



# 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

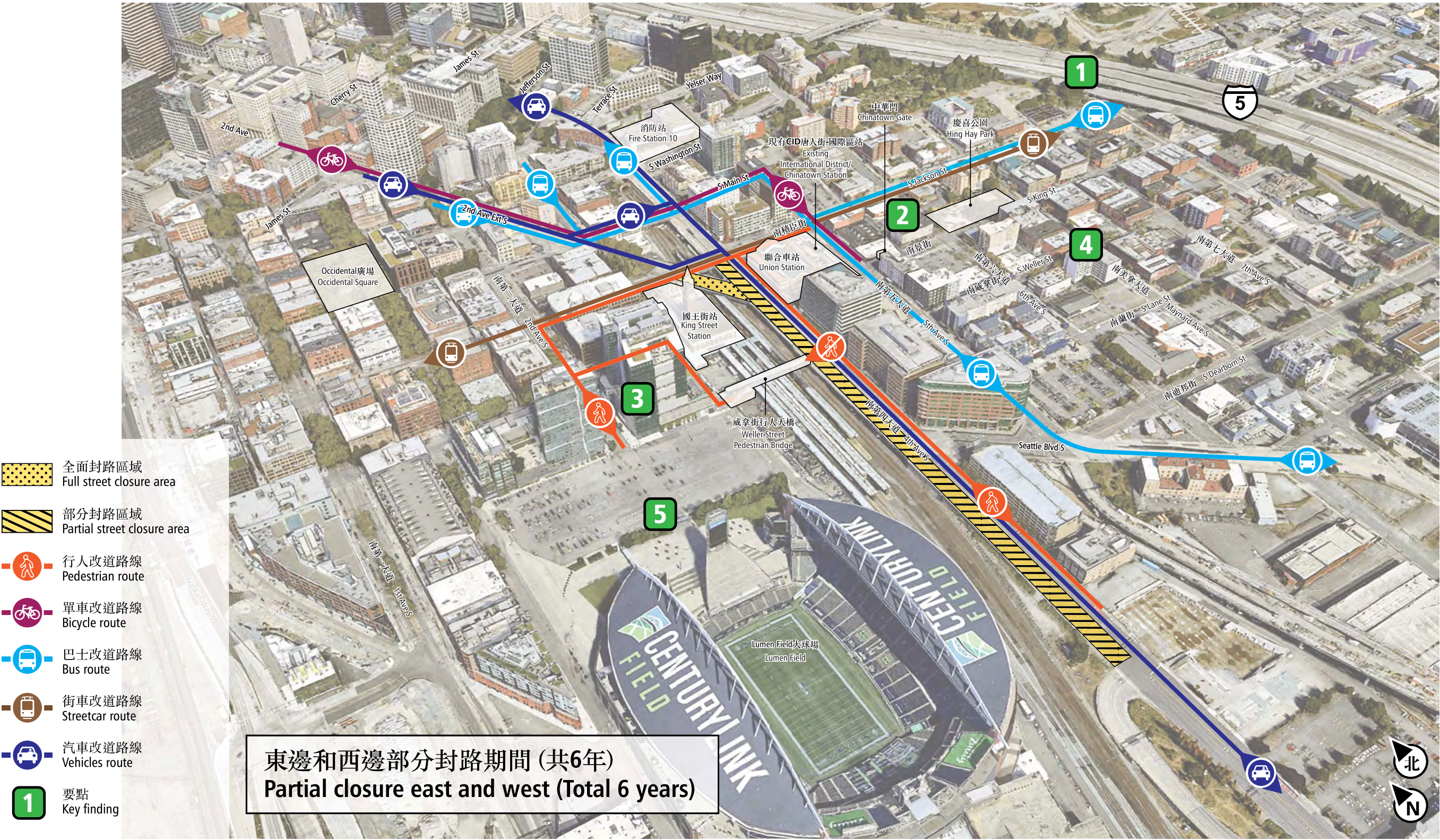


初步研究結果。分析仍在進行中，可能會作出變更。  
Preliminary findings. Analysis is ongoing and is subject to change.



# 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

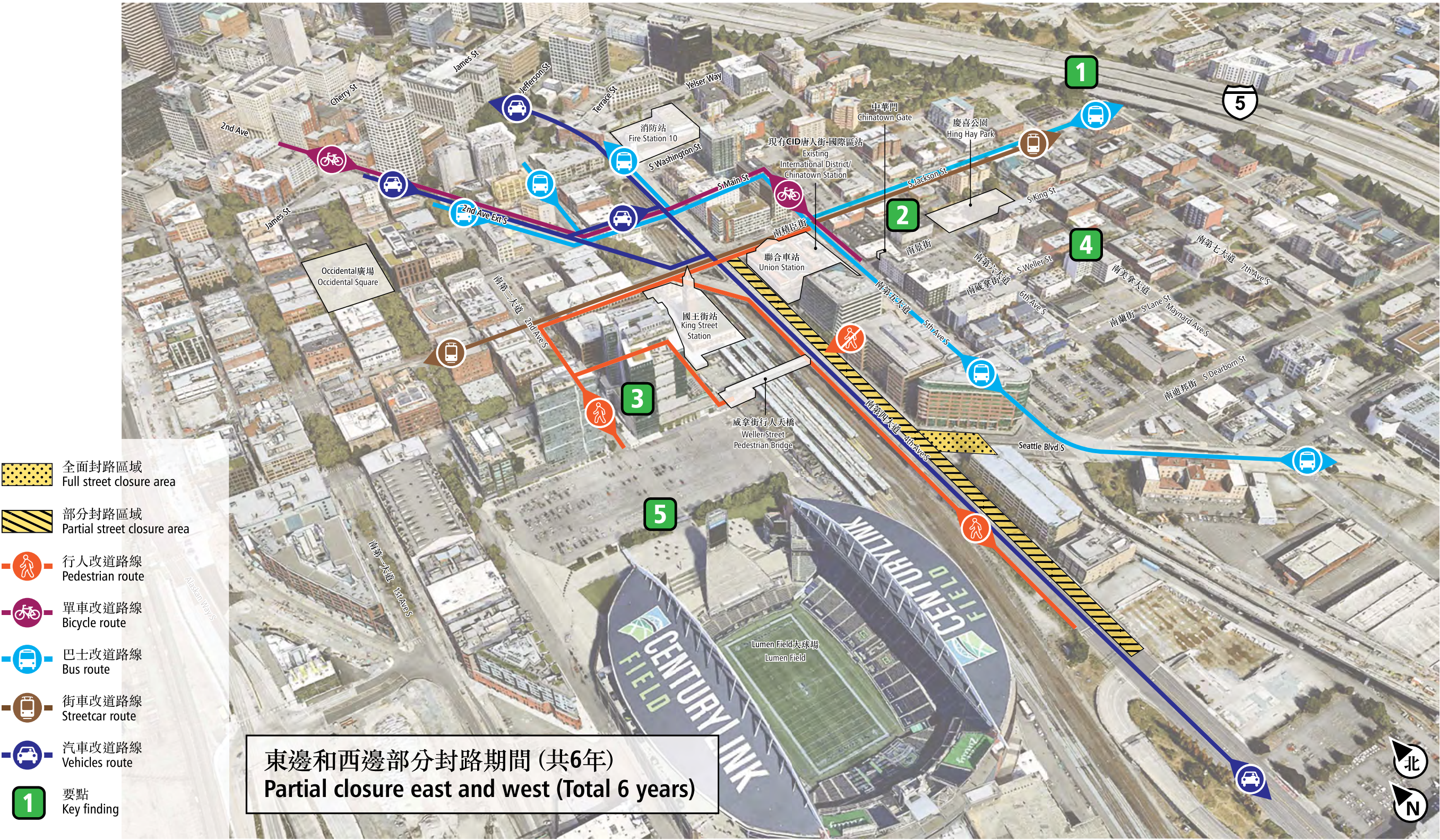


初步研究結果。分析仍在進行中，可能會作出變更。  
Preliminary findings. Analysis is ongoing and is subject to change.



# 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

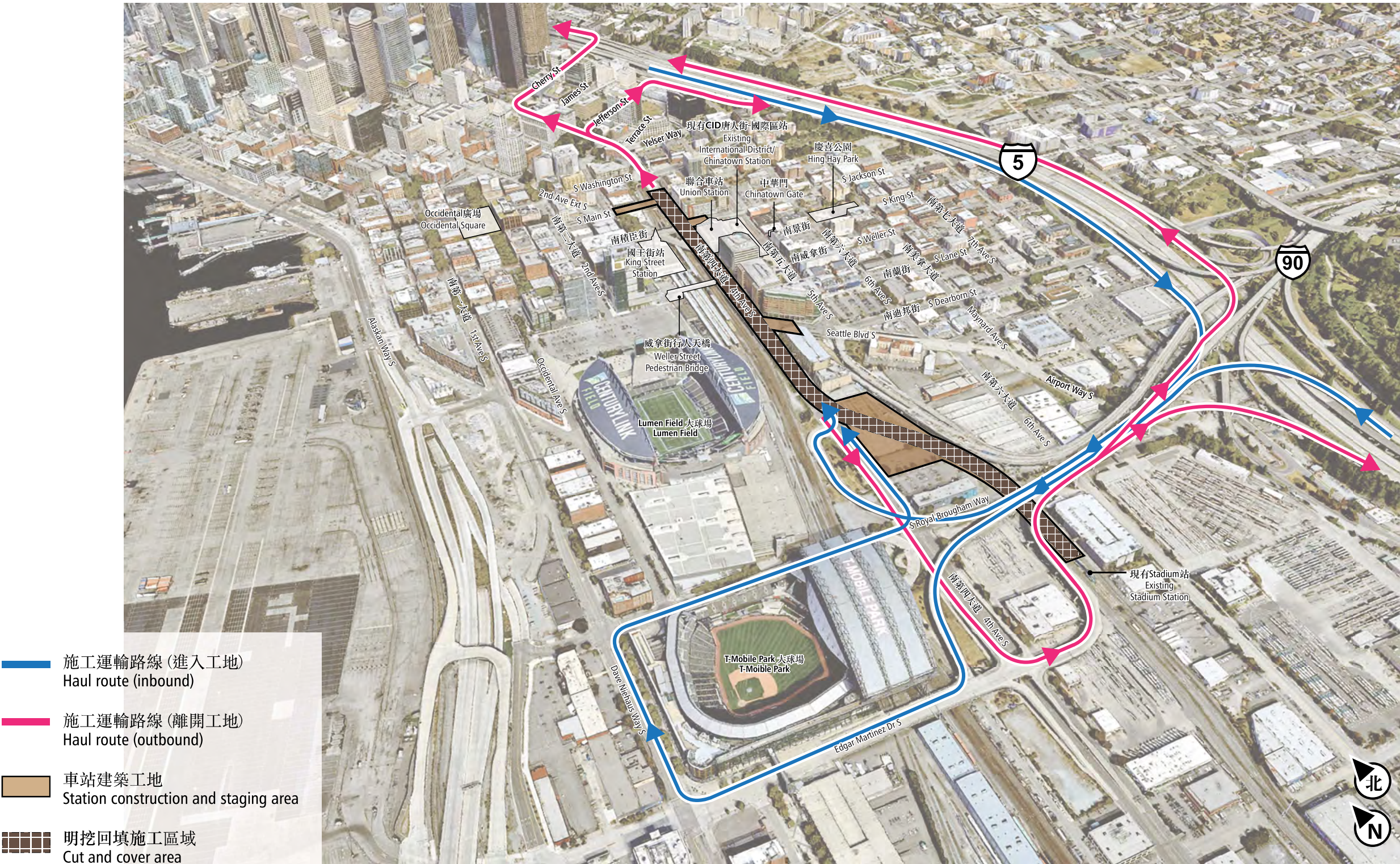


初步研究結果。分析仍在進行中，可能會作出變更。  
Preliminary findings. Analysis is ongoing and is subject to change.



# 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



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.



# 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

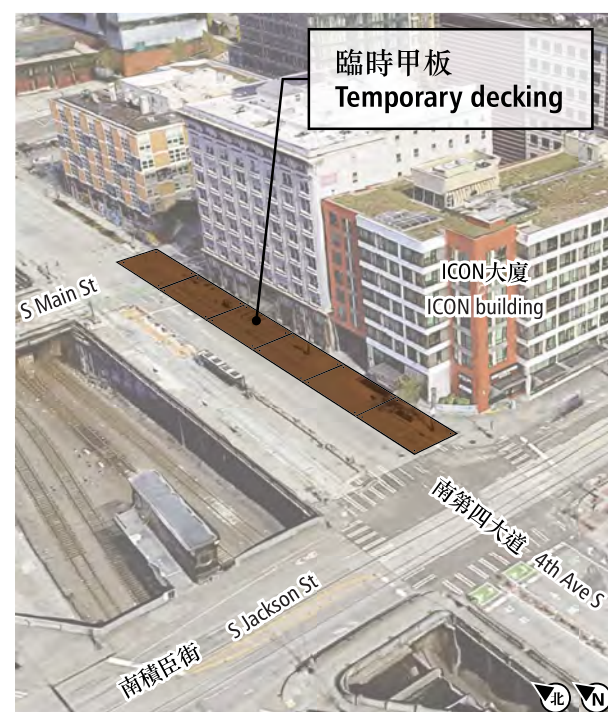
1

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

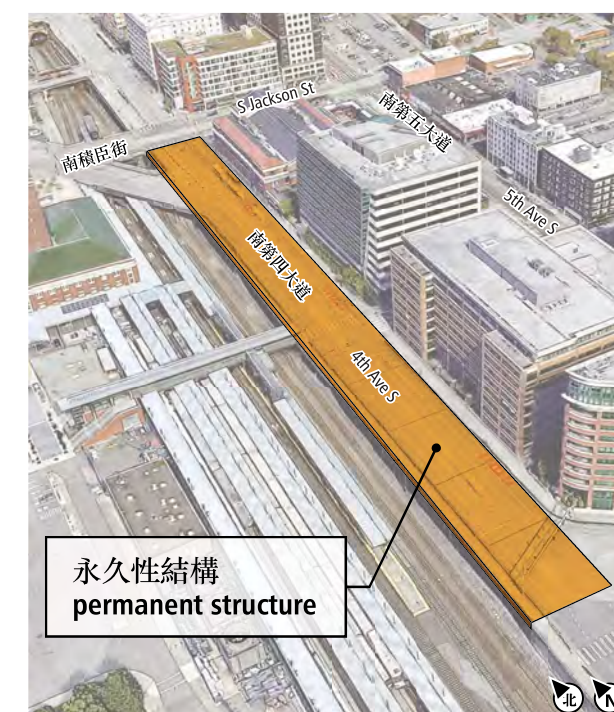
3

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

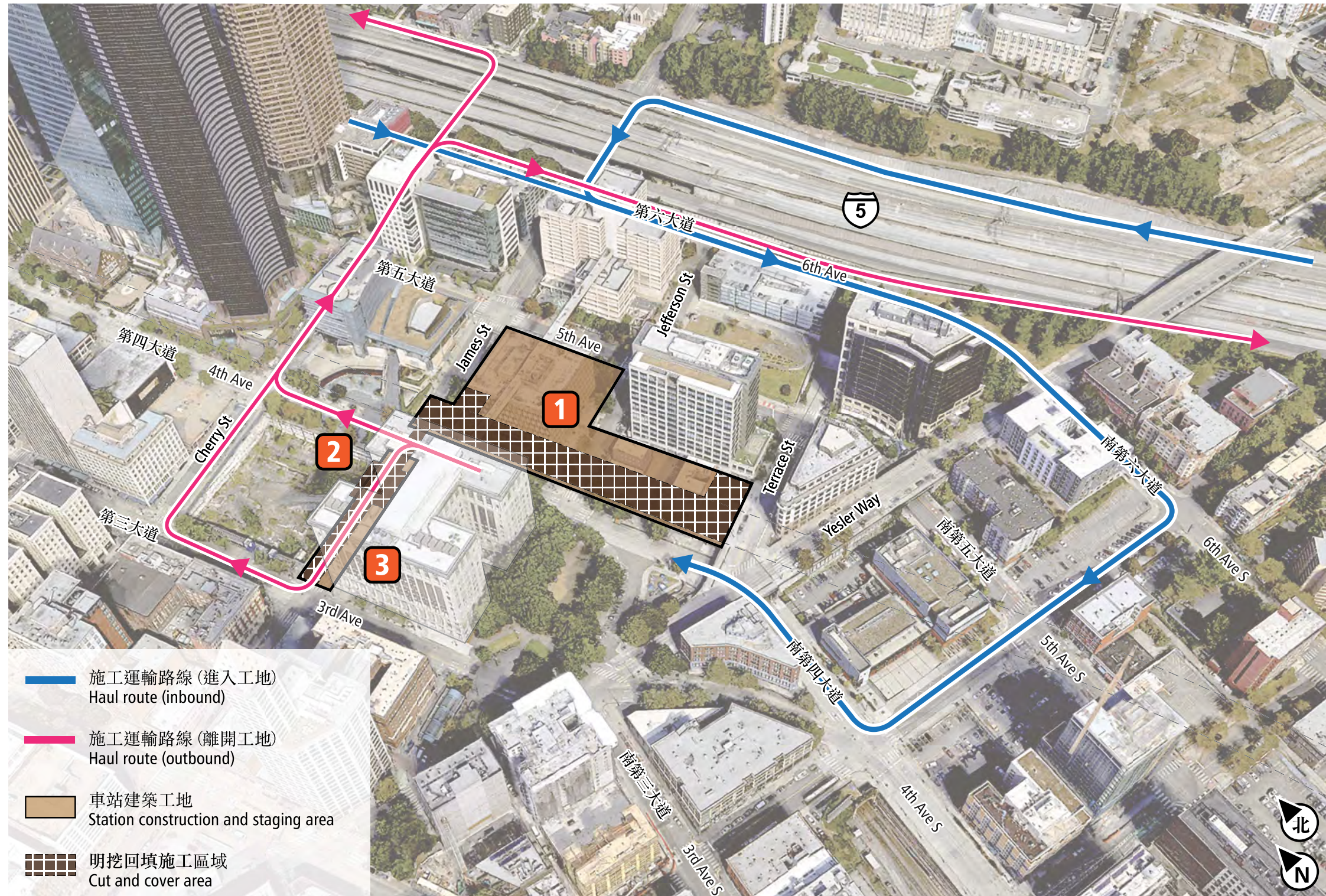
使用不同的施工方法來支撐開挖牆（例如改用割線樁牆而不採用泥漿牆）  
Use different construction method for support of excavation walls (such as secant pile walls instead of slurry walls)





# CID唐人街-國際區以北 - 車站建築工地和運輸路線

North of CID - station construction area and haul routes



## 施工時的影響 Construction effects

- 1 影響金縣行政大樓和其他提供社會服務的建築物  
Affects King County Administration Building and other buildings that house social services
- 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)

大約興建車站施工期間  
Approximate station construction duration

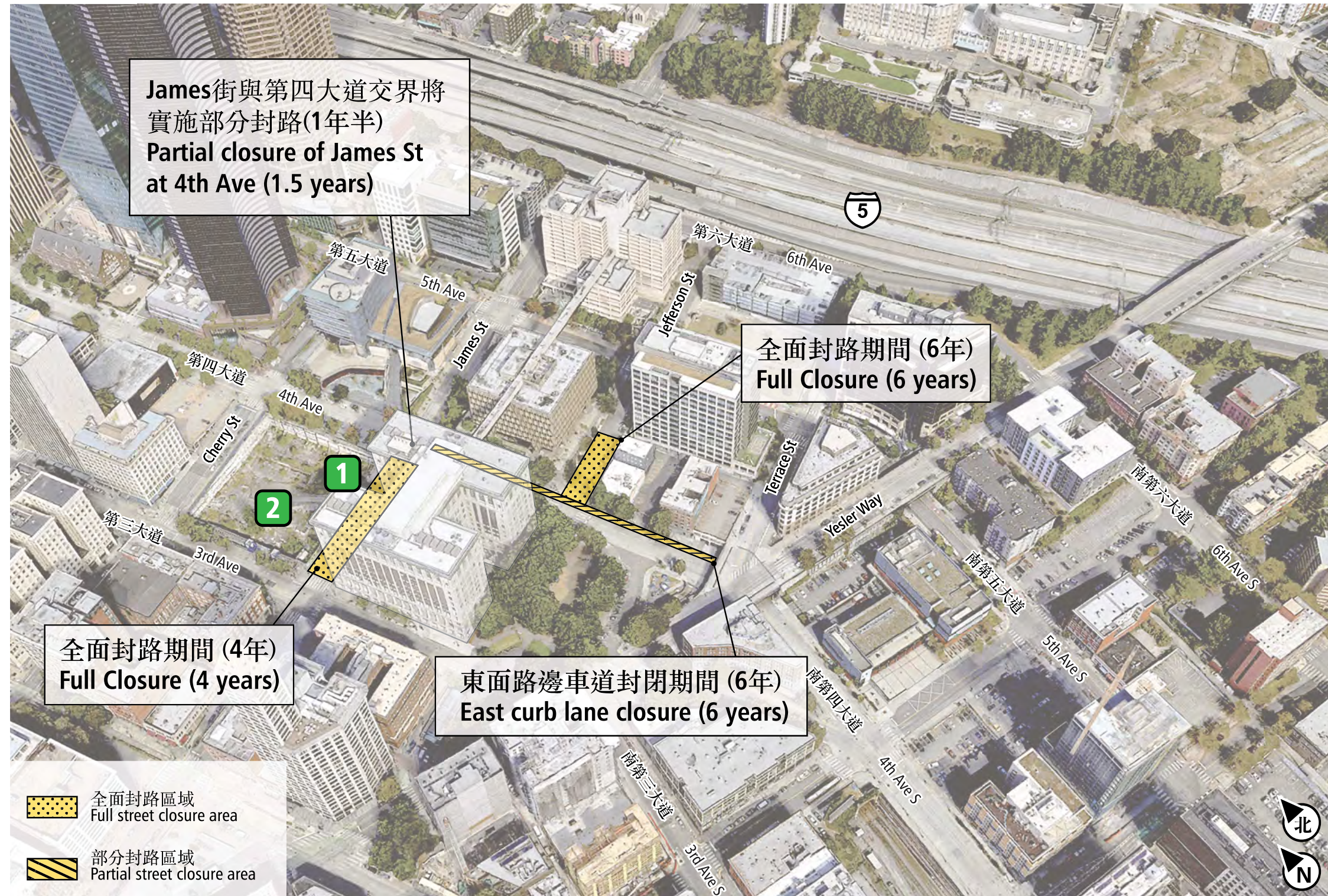
6至7年  
6-7 years

初步研究結果。分析仍在進行中，可能會作出變更。  
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# CID唐人街-國際區以北 - 施工封路期間和區域

## North of CID - street closures and durations



### 交通影響 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 3rd and 4th 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-國際區以南 - 車站建築工地

## South of CID - station construction area



### 施工時的影響

#### Construction effects

1

車站入口和建築工地需要與任何未來的發展計劃相協調  
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

大約興建車站施工期間  
Approximate station construction duration

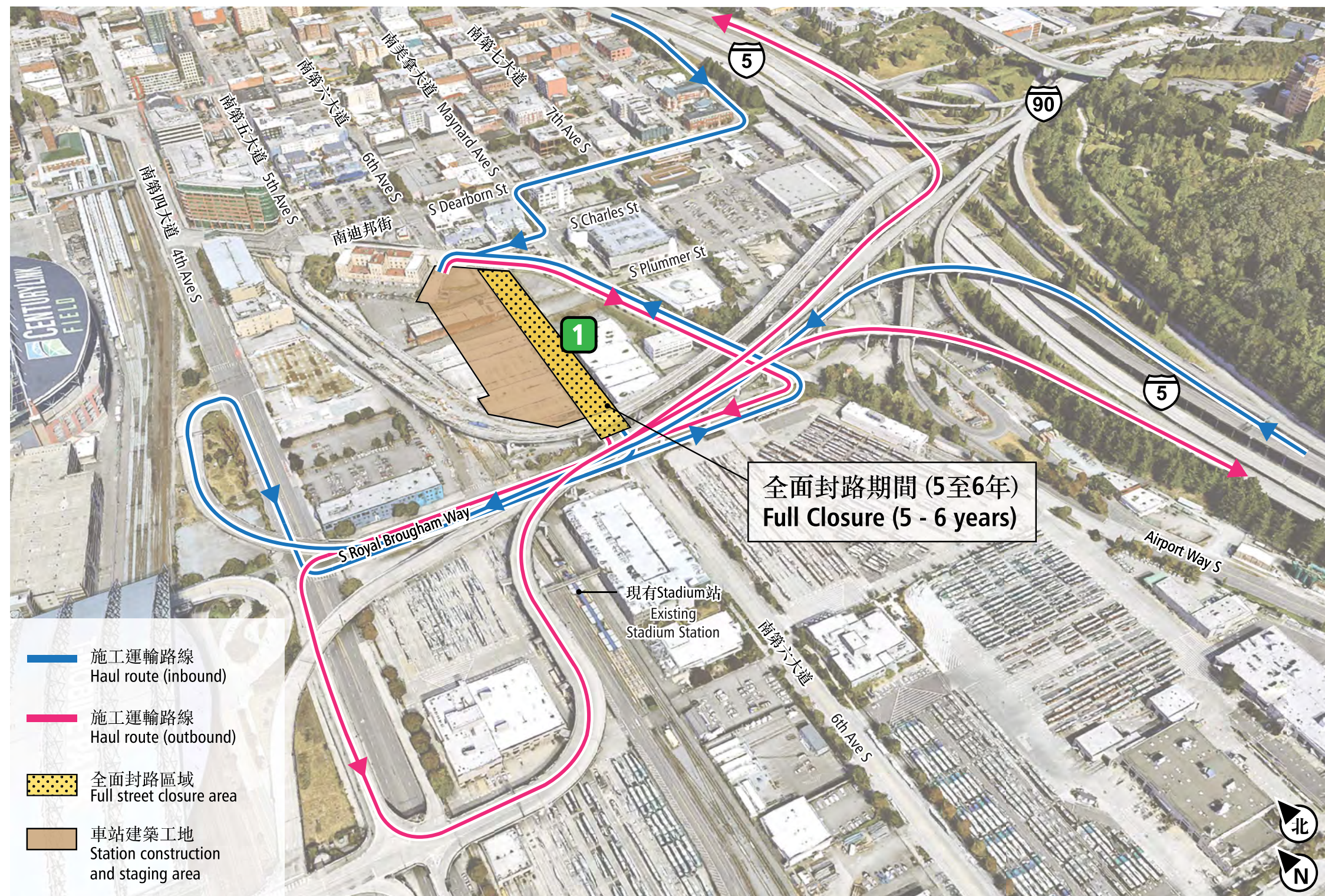
5至6年  
5-6 years

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-國際區以南 - 施工封路期間和區域與運輸路線

South of CID - street closure, duration, and haul routes



## 交通影響 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 6th Ave S between Seattle Boulevard S and S Royal Brougham, which has fewer overall traffic and road closure implications

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.

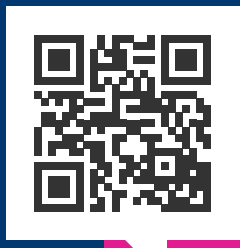


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