



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

CID唐人街/国际区进一步研究

研讨会三关键问题

2022 年 12 月 14 日

# 我们听到的内容

## What we heard

字体大小是基于研讨会#1和#2中投票活动的结果。  
Responses are sized based on the dot polling activity result in Workshop #1.

- 安全设施, 比如路灯  
Safety features, e.g. lighting
- 餐饮/食物/零售  
Dining/food/vending
- 零售空间/售货亭  
Retail spaces/kiosks

- 标示设施, 比如行人导向标示、公共艺术  
Signage, e.g. wayfinding, public art
- 园境设计  
Landscaped areas
- 公众设施, 比如座位区、自行车停放处  
Public amenities, e.g. sitting areas, places for bicycles
- 活动, 比如社区活动、市集、表演、展览、锻炼课程  
Activities, e.g. community events, markets, performances, exhibitions, exercise classes

### 您会想如何利用这个广场?

#### How would you like the plaza to be used?

具有亚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

锻炼课程 Exercise classes 艺术或文化展览 Art or cultural exhibitions

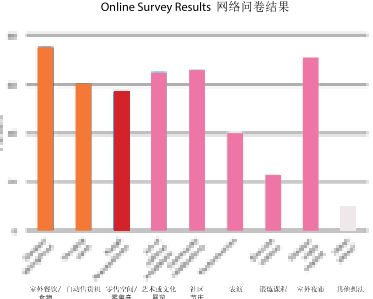
零售空间/售货亭  
Retail spaces/kiosks

室外夜市  
Outdoor night market

自动售货机 Vending carts 社区节庆 Community celebrations

适合各年龄使用的设施 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)



### 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?

社区介绍的讯息 Neighborhood Information

行人导向标示 Wayfinding signs

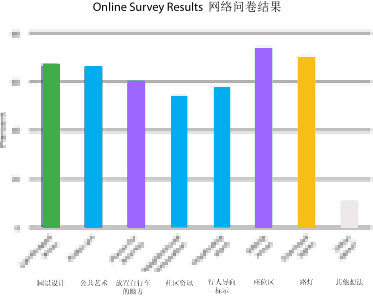
多语言标示 Multilingual signs 放置自行车的地方 Places for bicycles

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



### 您会想看到联合车站被如何使用?

#### 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

室内集市 Indoor market

展览 Exhibitions 座位区 Sitting areas  
警务人员 Police presence

咖啡店/茶店 Café/tea shop

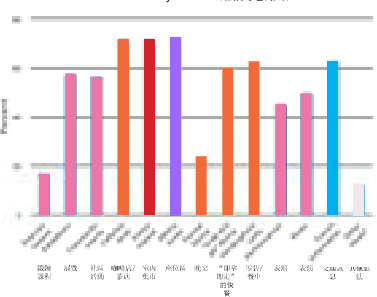
社区活动 Community events 零售/餐車 Vending/food carts

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

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



### 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

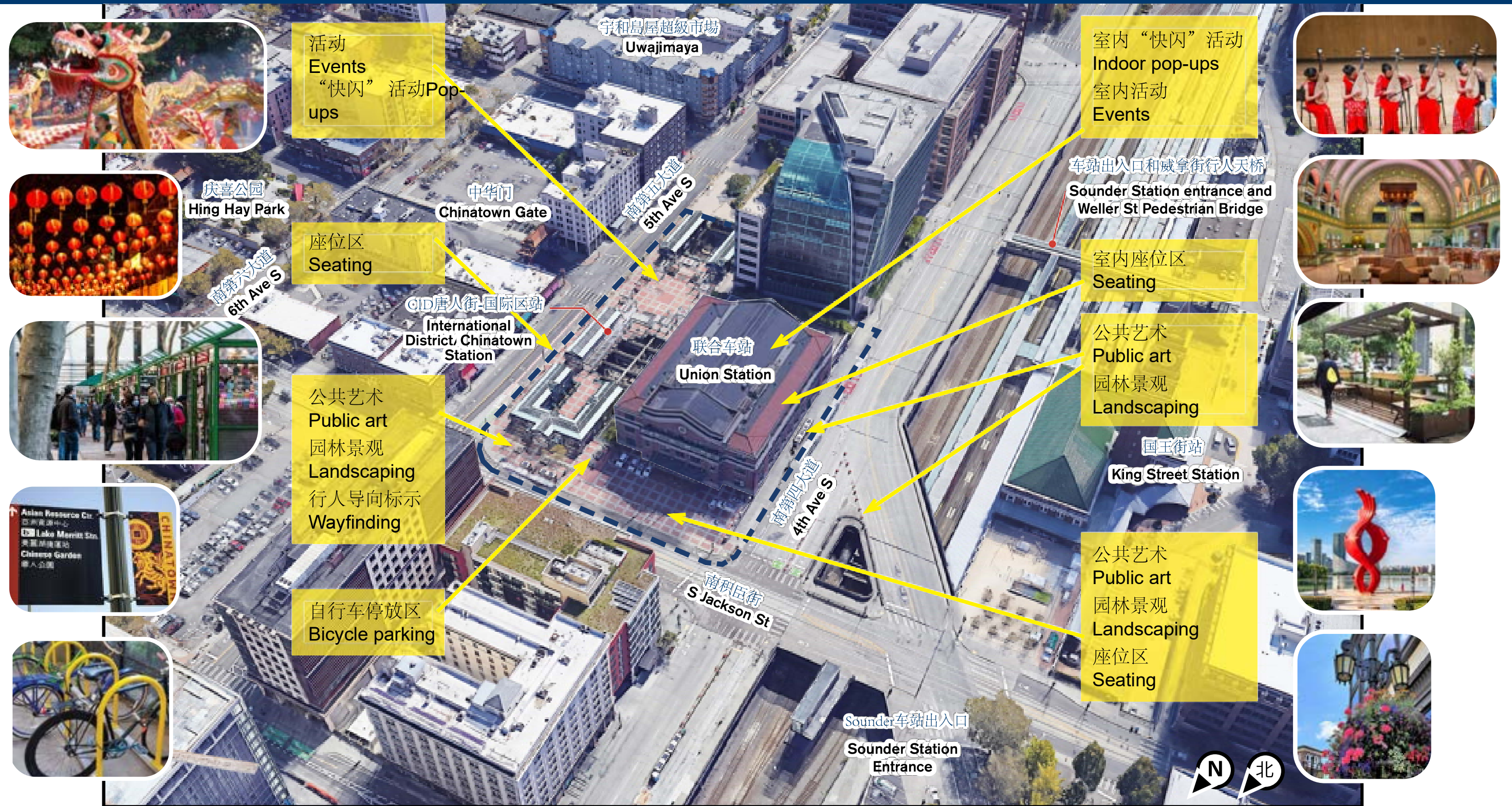
结果是基于公众参与的反馈, 包括两个研讨会和网络问卷。  
我们总共收到了大约230份网络问卷, 其中大约有80份完成的问卷。

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.





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



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。

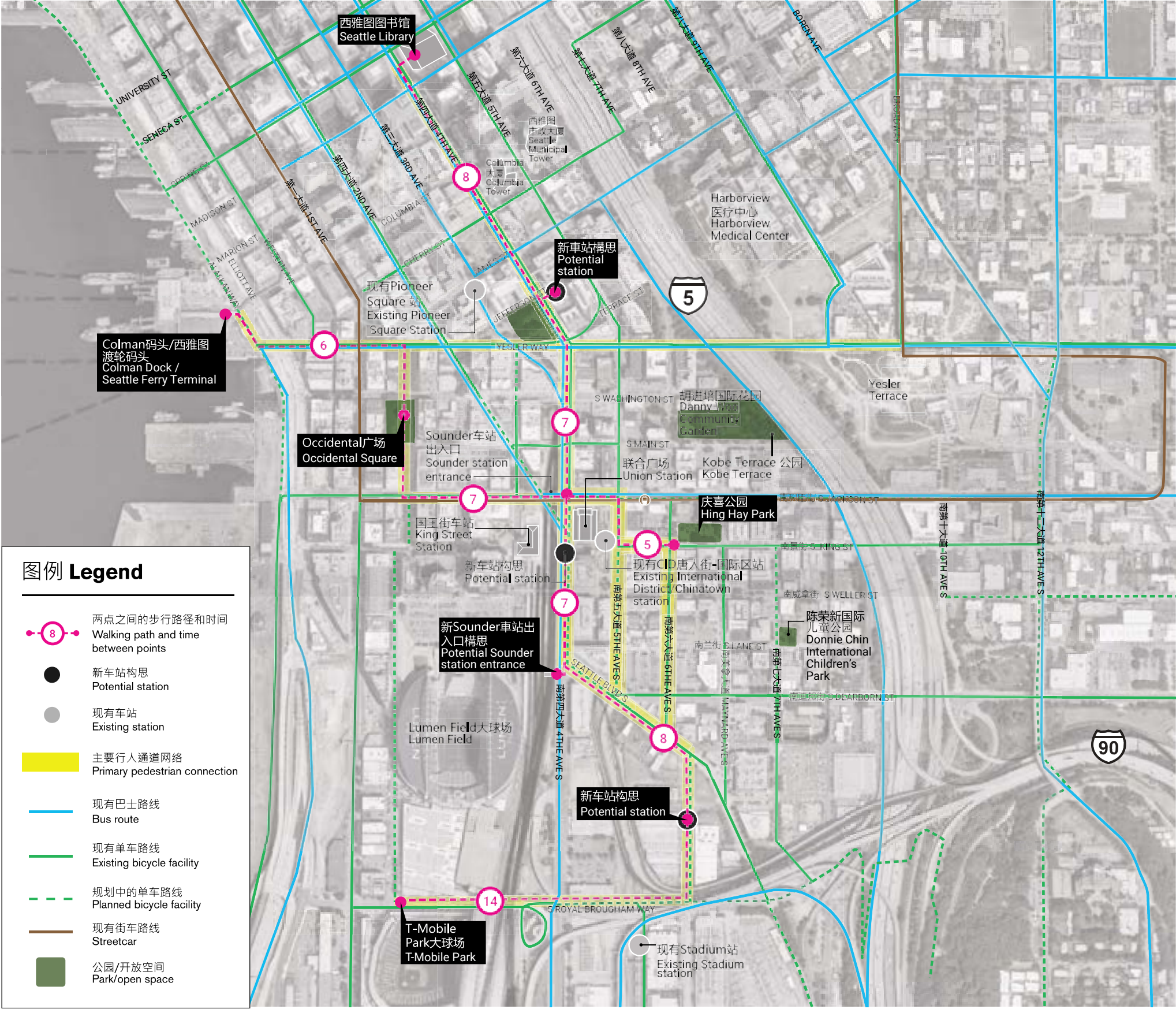
Potential activities and locations are based on input from public engagement process including two workshops and online survey.



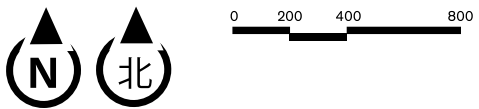
联合车站和广场 Union Station and plaza area



# CID network and access plan diagram



初步设计概念.设计仍在进行中,可能会作出变更.  
Preliminary concept. Design is ongoing and is subject to change.



CID唐人街-国际区以北:步行范围  
North of CID: Walkshed



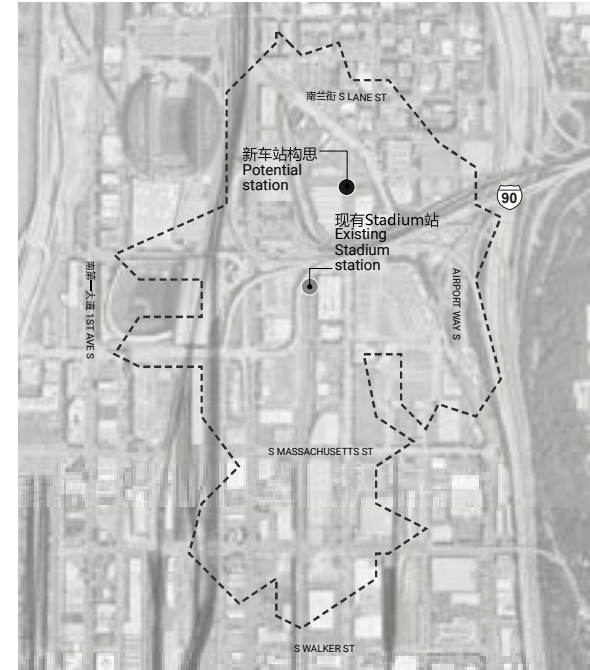
注：虚线代表距离车站10分钟的步行距离  
Note: Dashed line represents 10-minute walkshed from station

第四大道浅层方案:步行范围  
4th Ave Shallow: Walkshed



Note: Dashed line represents 10-minute walkshed from station

CID唐人街-国际区以南:步行范围  
South of CID: Walkshed

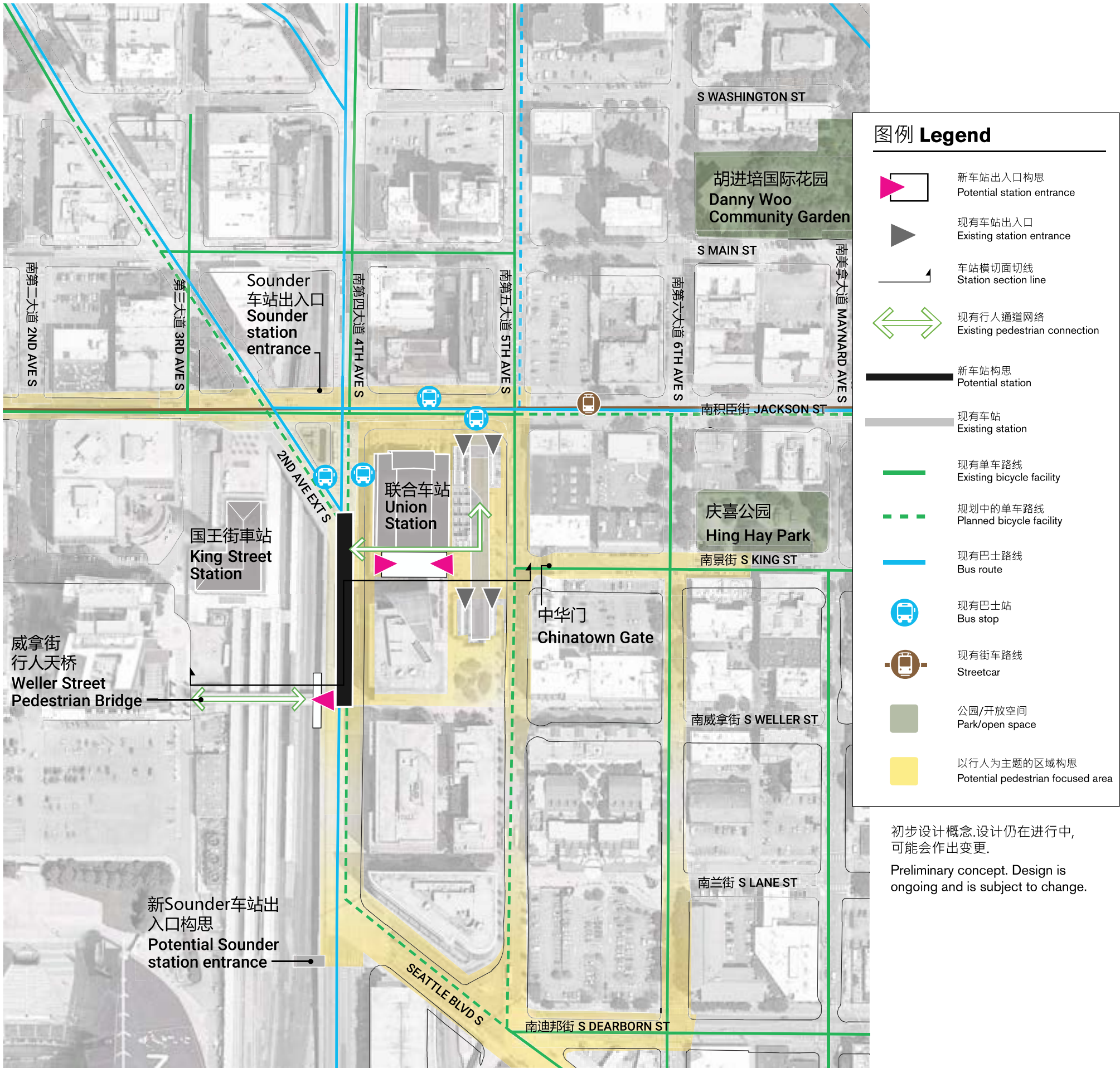


注：虚线代表距离车站10分钟的步行距离  
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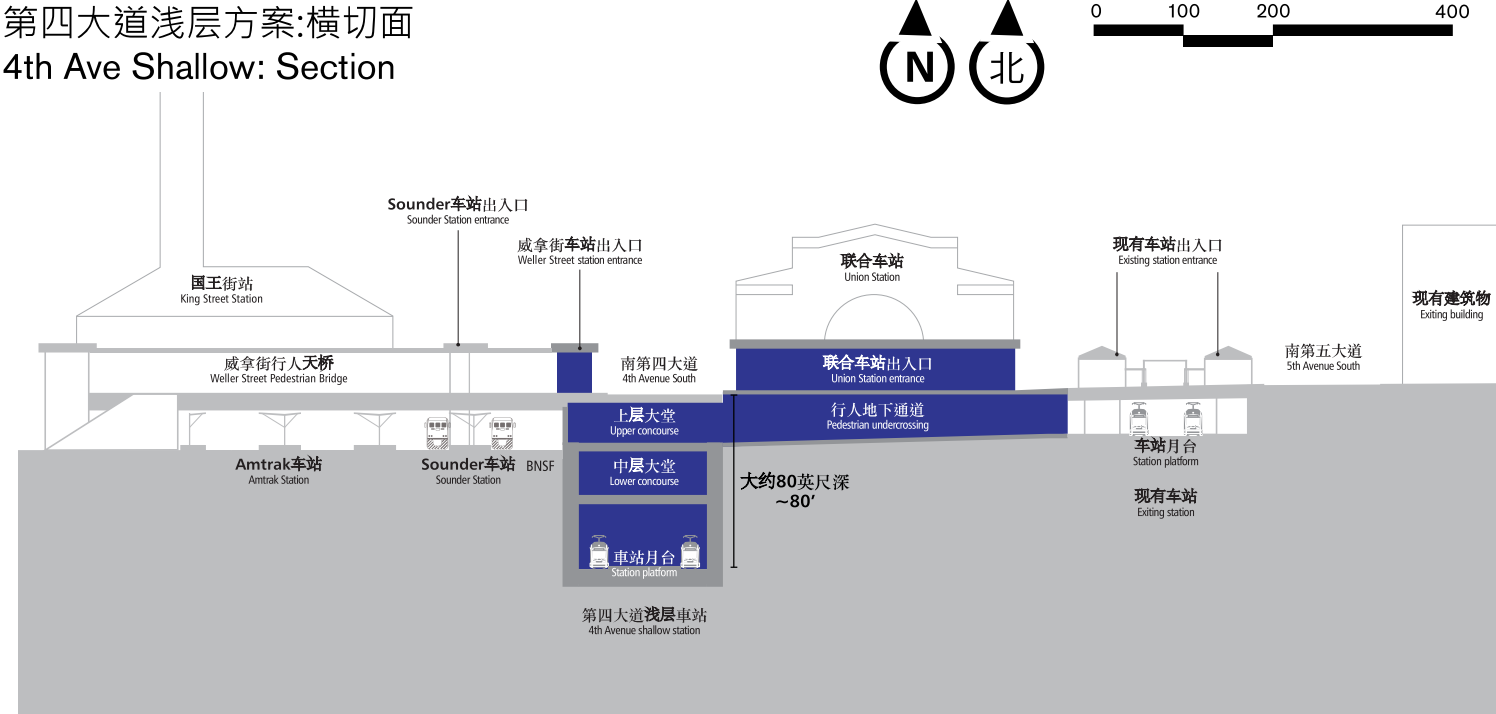


# 第四大道浅层方案: 车站周边环境规划

## 4th Ave Shallow: Station context plan



第四大道浅层方案: 横切面  
4th Ave Shallow: Section



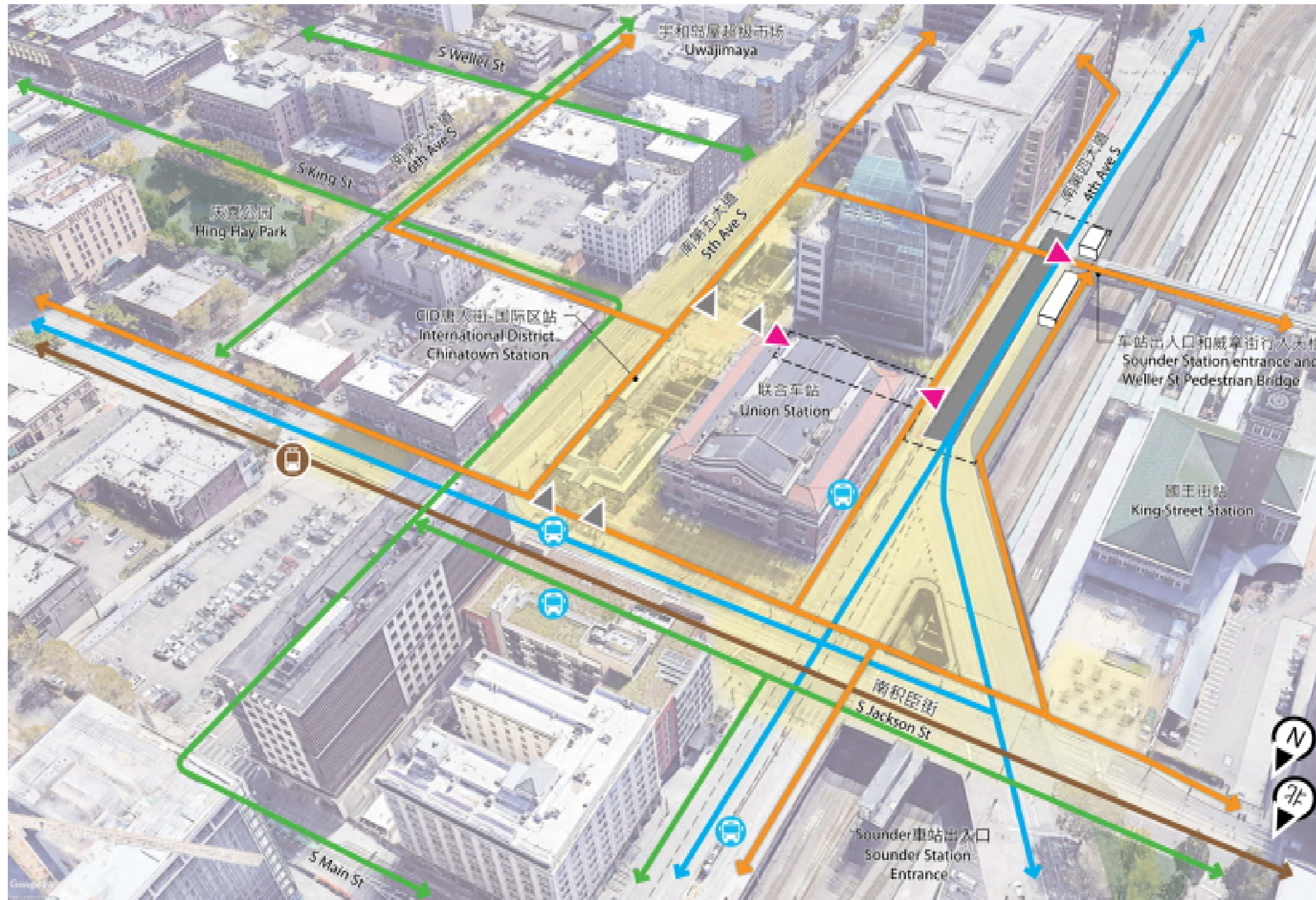
以上图表展示车站的设计和构造并非按比例绘制, 目的仅供参考和说明目的。  
车站建筑和景观设计尚未完成。

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



# 第四大道浅层方案: 车站环境鸟瞰图

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

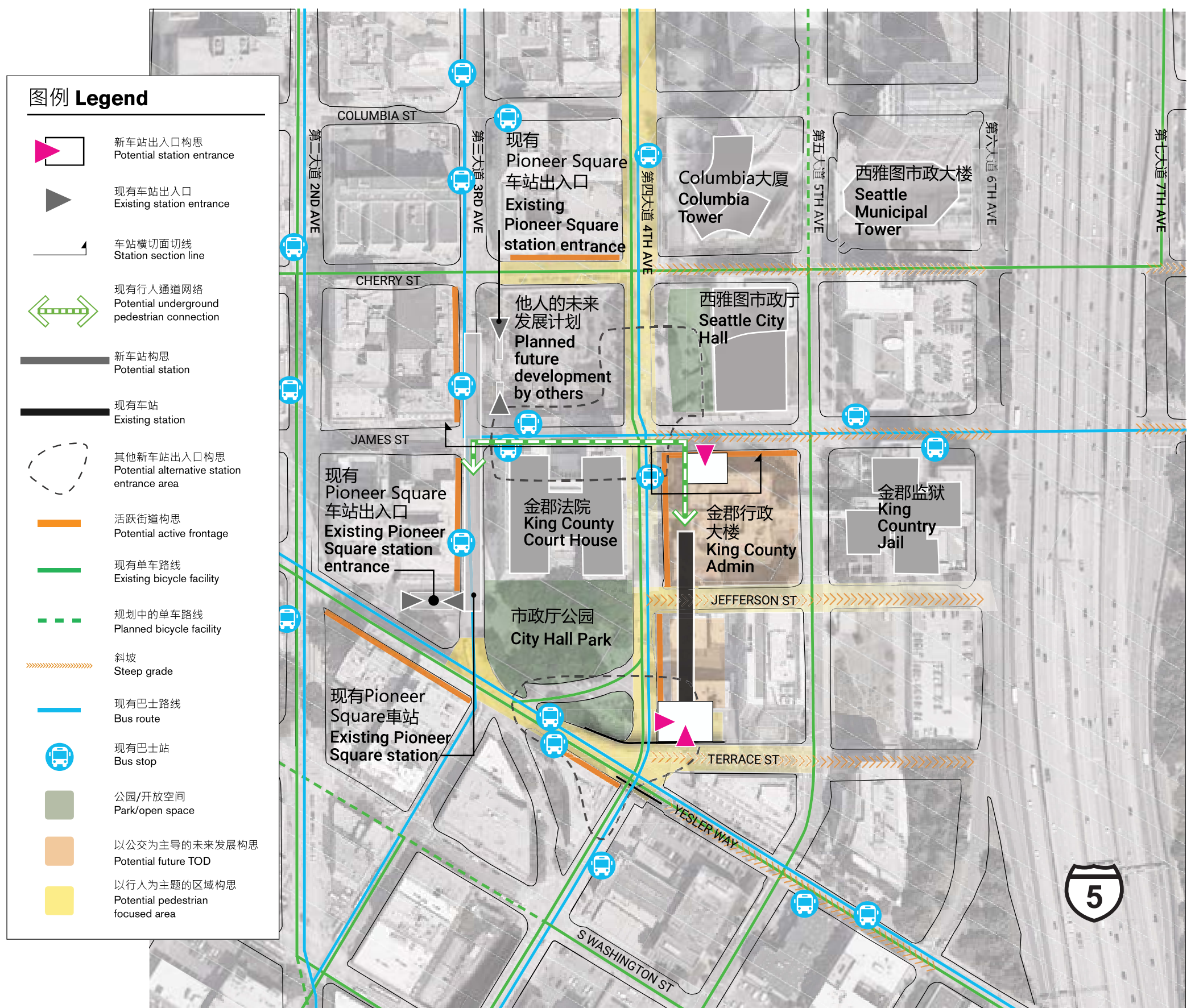


初步设计概念。设计仍在进行中,可能会作出变更。  
Preliminary concept. Design is ongoing and is subject to change.



# CID唐人街-国际区以北:车站周边环境规划

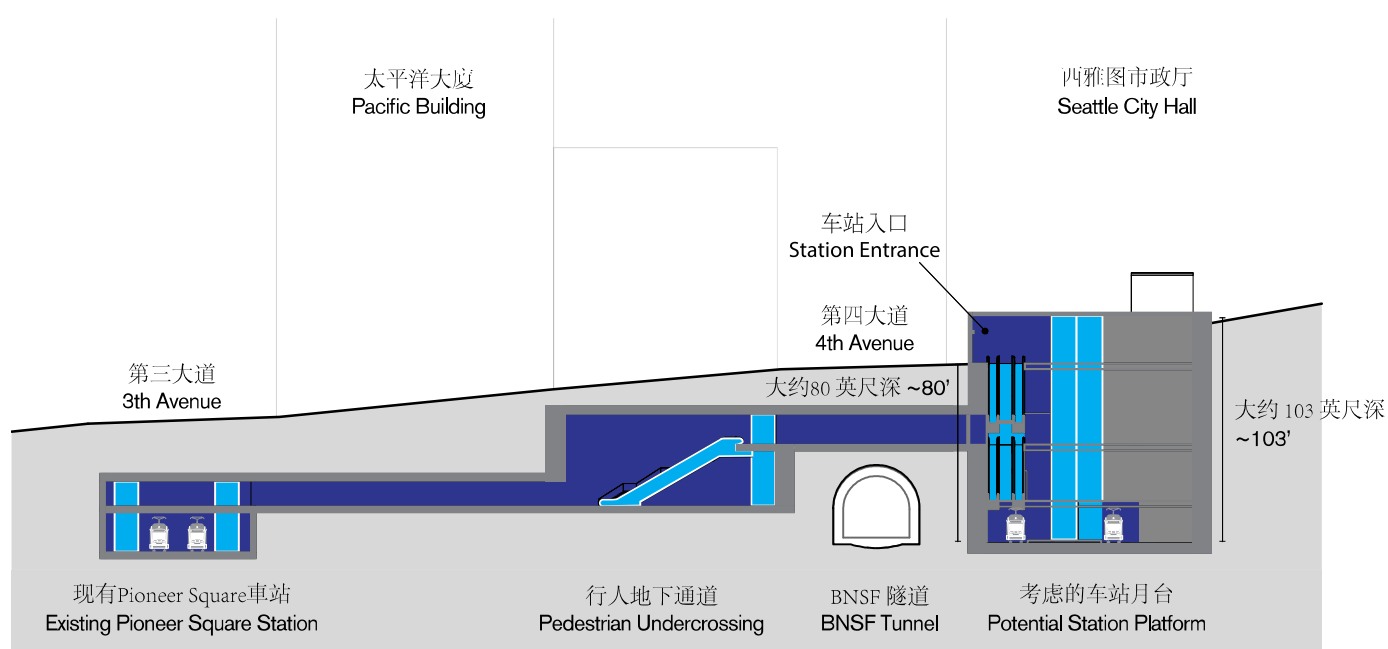
## North of CID: Station context plan



CID唐人街-国际区以北:横切面  
North of CID: Section



初步设计概念.设计仍在进行中,  
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Preliminary concept. Design is  
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以上图表展示车站的设计和构造并非按比例绘制,且仅供参考和说明目的。  
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# CID 唐人街-国际区以北: 车站环境鸟瞰图

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

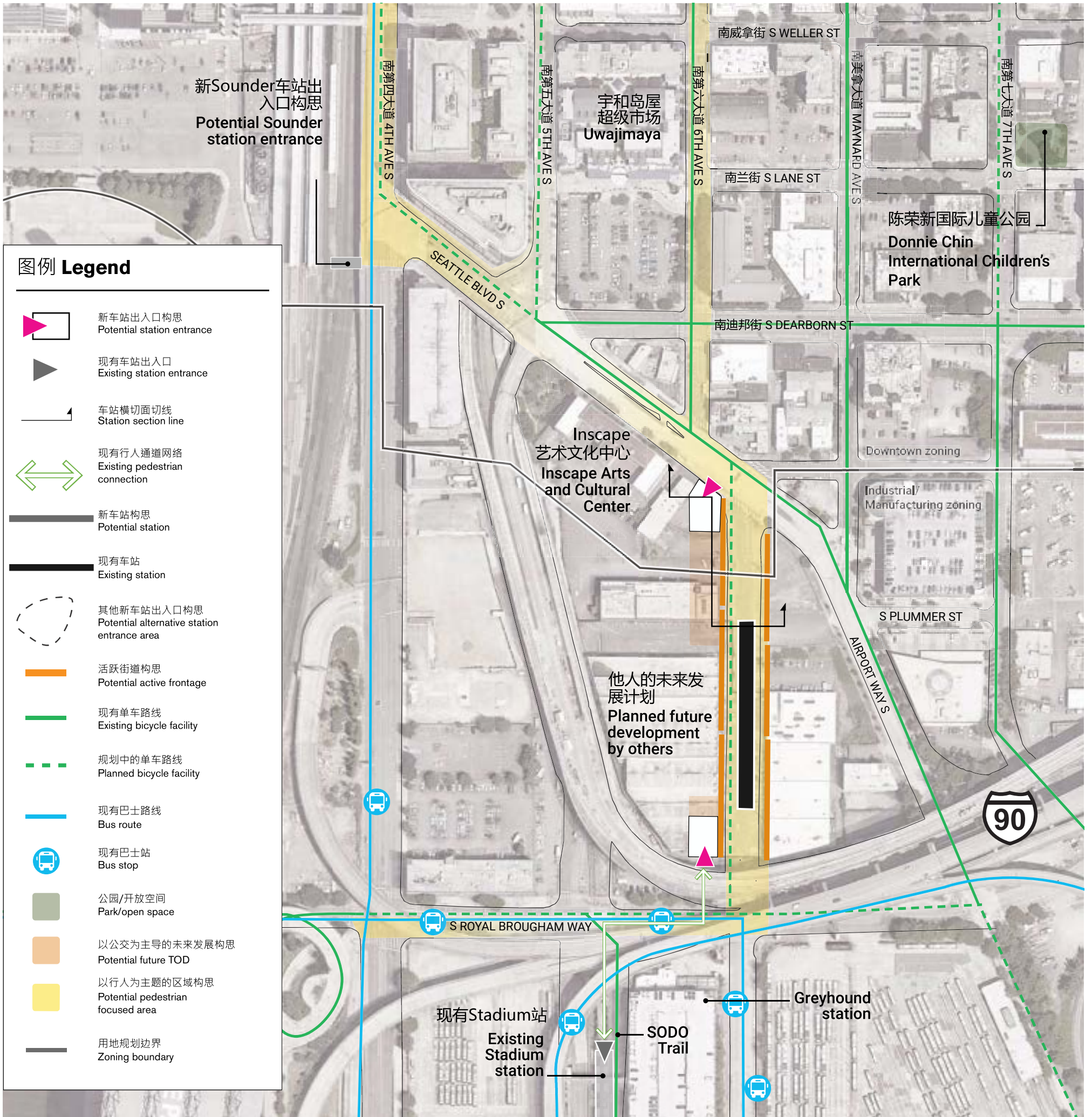


初步设计概念。设计仍在进行中,可能会作出变更。  
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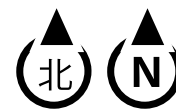
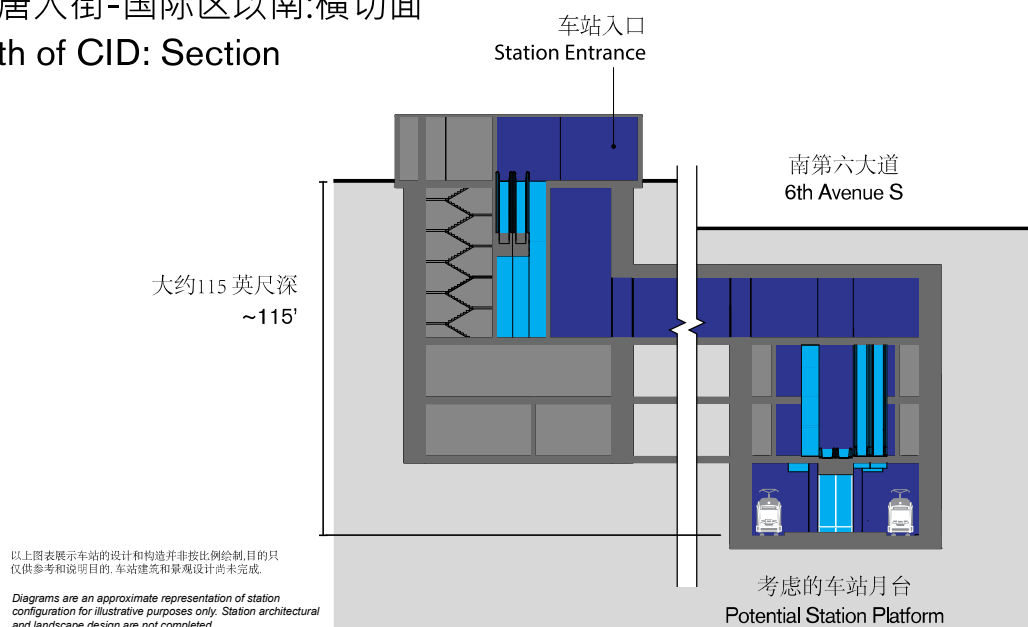


# CID唐人街-国际区以南:车站周边环境规划

## South of CID: Station context plan



CID唐人街-国际区以南:横切面  
South of CID: Section



0 100 200 400

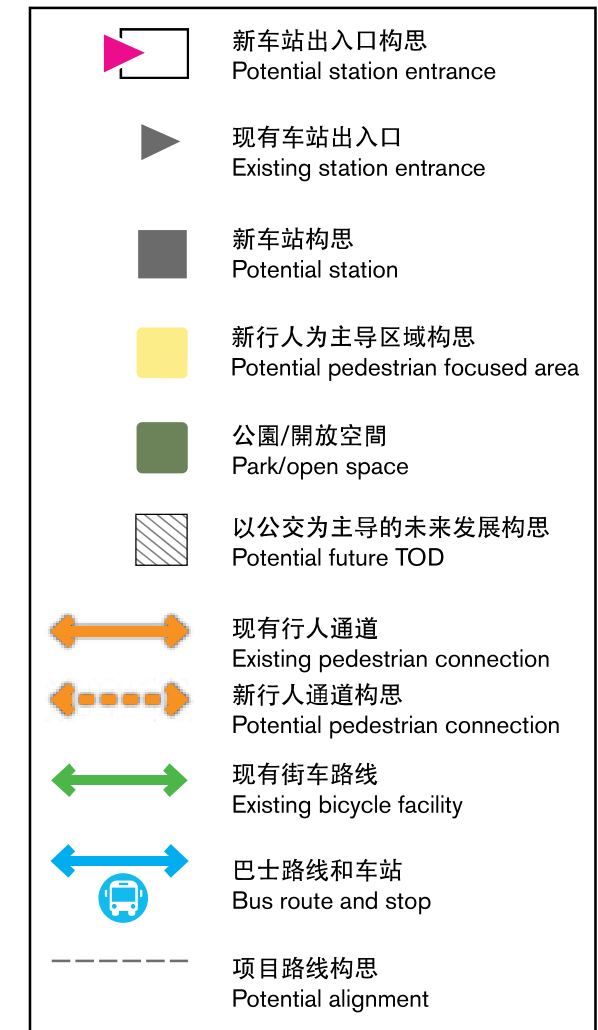
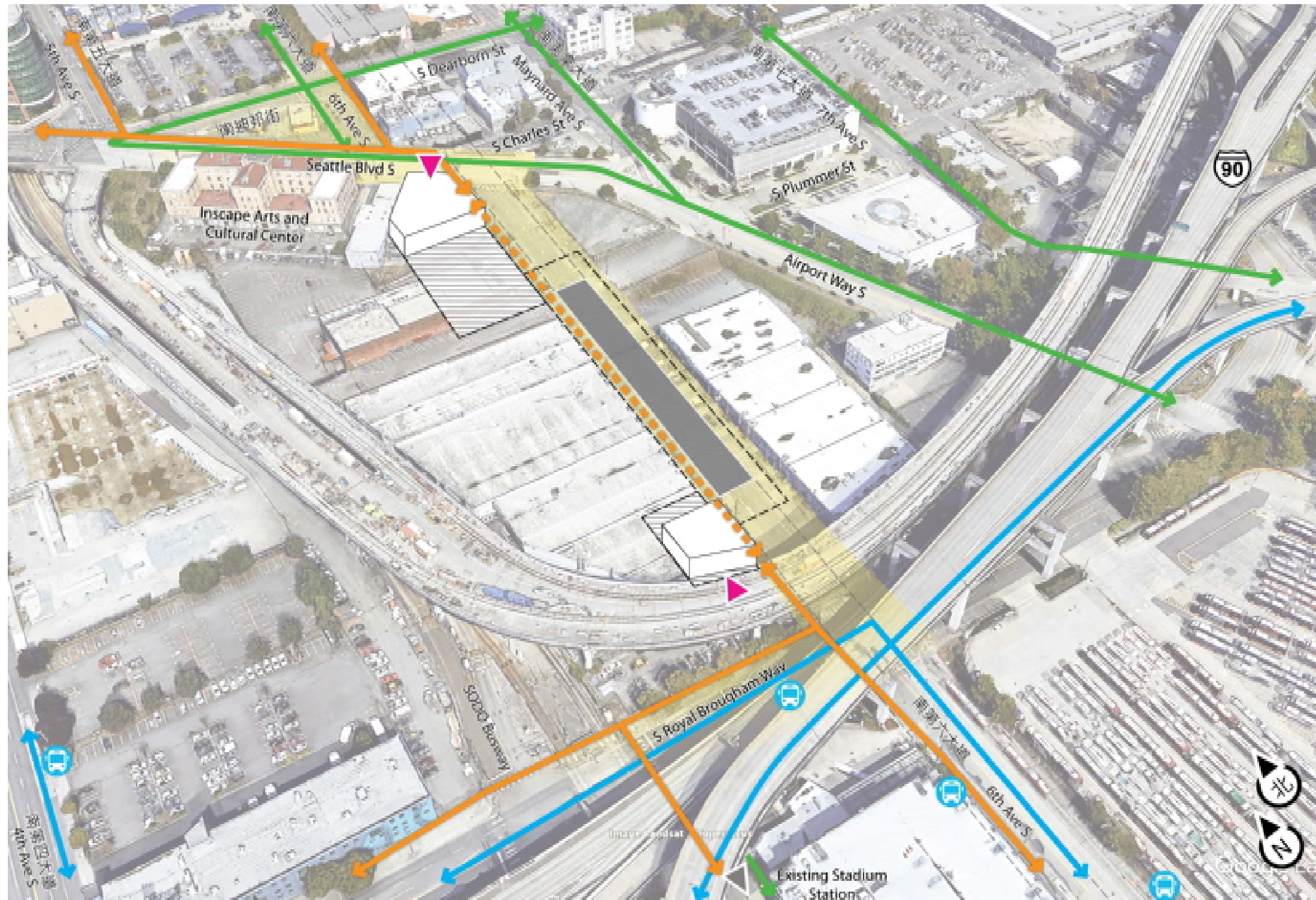
初步设计概念,设计仍在进行中,可能会作出变更。

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



# CID 唐人街-国际区以南: 车站环境鸟瞰图

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



初步设计概念。设计仍在进行中,可能会作出变更。  
Preliminary concept. Design is ongoing and is subject to change.



# 第四大道浅层方案 - 交通要点与潜在策略

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

### 要点 Key finding

1

大量行驶交通需要绕道到其他地方  
Substantial traffic would need to divert elsewhere

#### 潜在策略 Potential Strategies

1a

将行驶交通转移到其他道路，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

探索增加绕行路线交通流量的潜力  
Explore potential to add capacity to detour routes

1c

探索建造临时 I-5 逆流车道想法以舒缓绕行路线上增加的行驶交通  
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动的资讯，和增强使用其他交通工具服务  
Provide information, access, and enhancement to other modes

### 要点 Key finding

2

巴士路线和街车服务将受到影响  
Transit routes and streetcar service would be impacted

#### 潜在策略 Potential Strategies

2a

指定一条巴士专用的走廊（即第五大道）以保持巴士服务速度并提供CID唐人街-国际区巴士服务  
Designate a dedicated transit corridor (i.e., 5th Ave) to maintain transit speeds and provide access to CID

### 要点 Key finding

3

行人绕路会增加步行时间5-10分钟  
Detours could add 5-10 minutes to walk time

#### 潜在策略 Potential Strategies

3a

辨认行人绕行路线  
Identify pedestrian detour routes

3b

兴建临时行人道和行人过马路横道，方便行人出行  
Construct temporary pathways and crosswalks to facilitate pedestrian travel

3c

在威拿街人行天桥关闭期间探索替代行人通道  
Explore alternative pedestrian pathway while Weller St Bridge is closed

### 要点 Key finding

4

如果不采取缓解措施，高峰时段可能会有 160-180 辆车分流到CID唐人街-国际区里  
Without mitigating measures, an additional 160-180 vehicles may divert into CID neighborhood during peak hour

#### 潜在策略 Potential Strategies

4a

将CID唐人街-国际区内部分区域指定为商业和当地人出入的专用区  
Designate portion of CID as business and local access only zone

4b

探索限制行驶穿过交通的方法，例如转弯限制和/或交通分流  
Explore ways to limit through traffic, such as turn restrictions and/or traffic diverters

### 要点 Key finding

5

在大型活动期间，多条道路和人行道流量将达至/超出能力负荷  
Multiple roadways and sidewalks would be at/over capacity during large events

#### 潜在策略 Potential Strategies

5a

鼓励使用其他交通模式（其他公共交通工具，多人乘坐私家车，等等）  
Encourage use of other modes (transit, carpool, etc.)

5b

在Lumen Field大球场以西和以北提供停车选择，以防止交通进入CID唐人街-国际区/施工区域  
Provide parking options west and north of Lumen Field to keep traffic out of CID/construction area

5c

实施方法以防止私人汽车 停泊在CID唐人街-国际区内  
Implement methods to prevent event parking within CID

5d

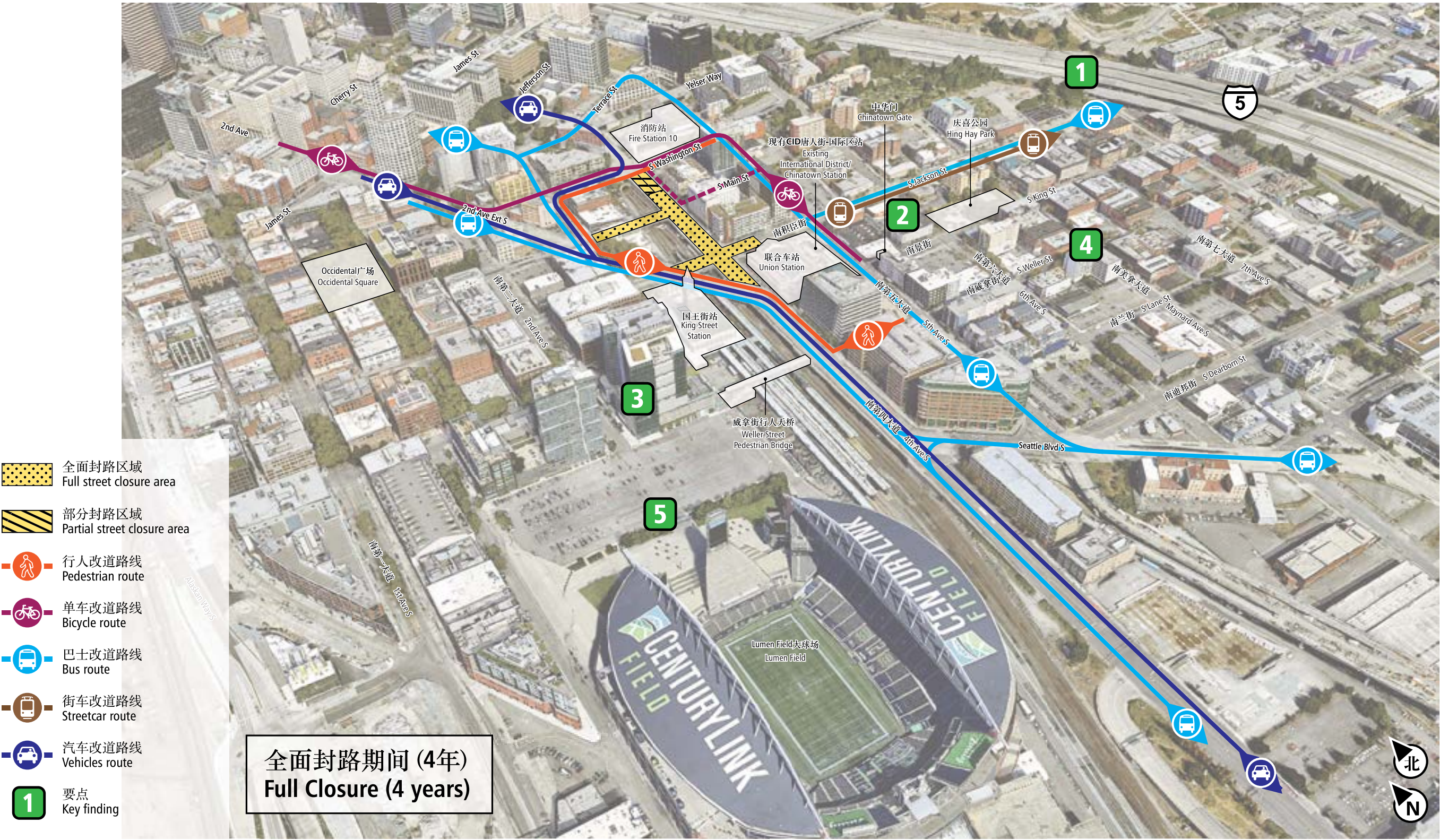
实施比赛日绕行路线和需求管理策略  
Implement game day detour routes and transportation demand management strategies

初步研究结果。分析仍在进行中，可能会作出变更。  
Preliminary findings. Analysis is ongoing and is subject to change.



# 第四大道浅层方案 - 全面封路区域和改道路线

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

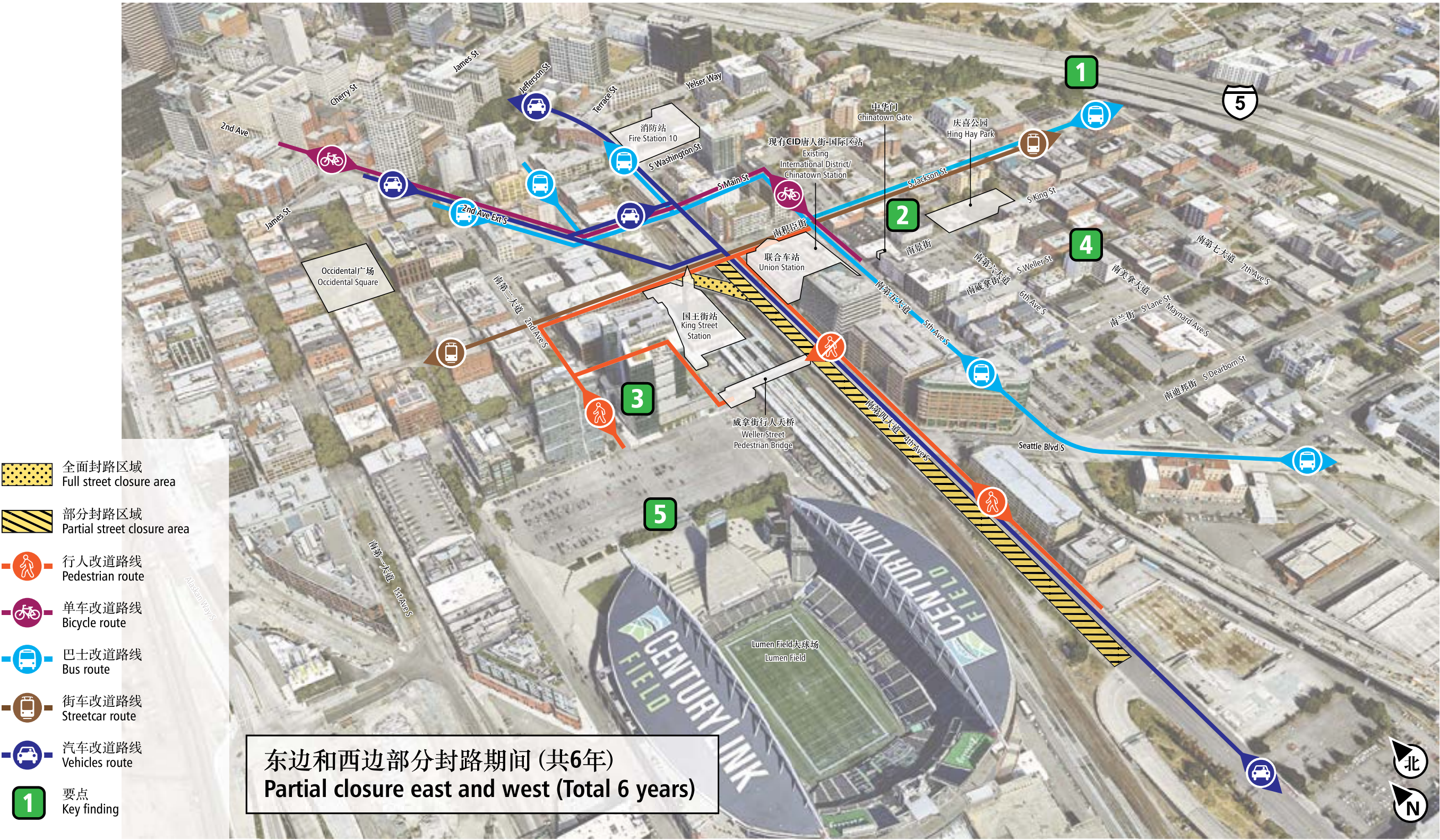


初步研究结果。分析仍在进行中，可能会作出变更。  
Preliminary findings. Analysis is ongoing and is subject to change.



# 第四大道浅层方案 - 部分封路区域(西边)和改道路线

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

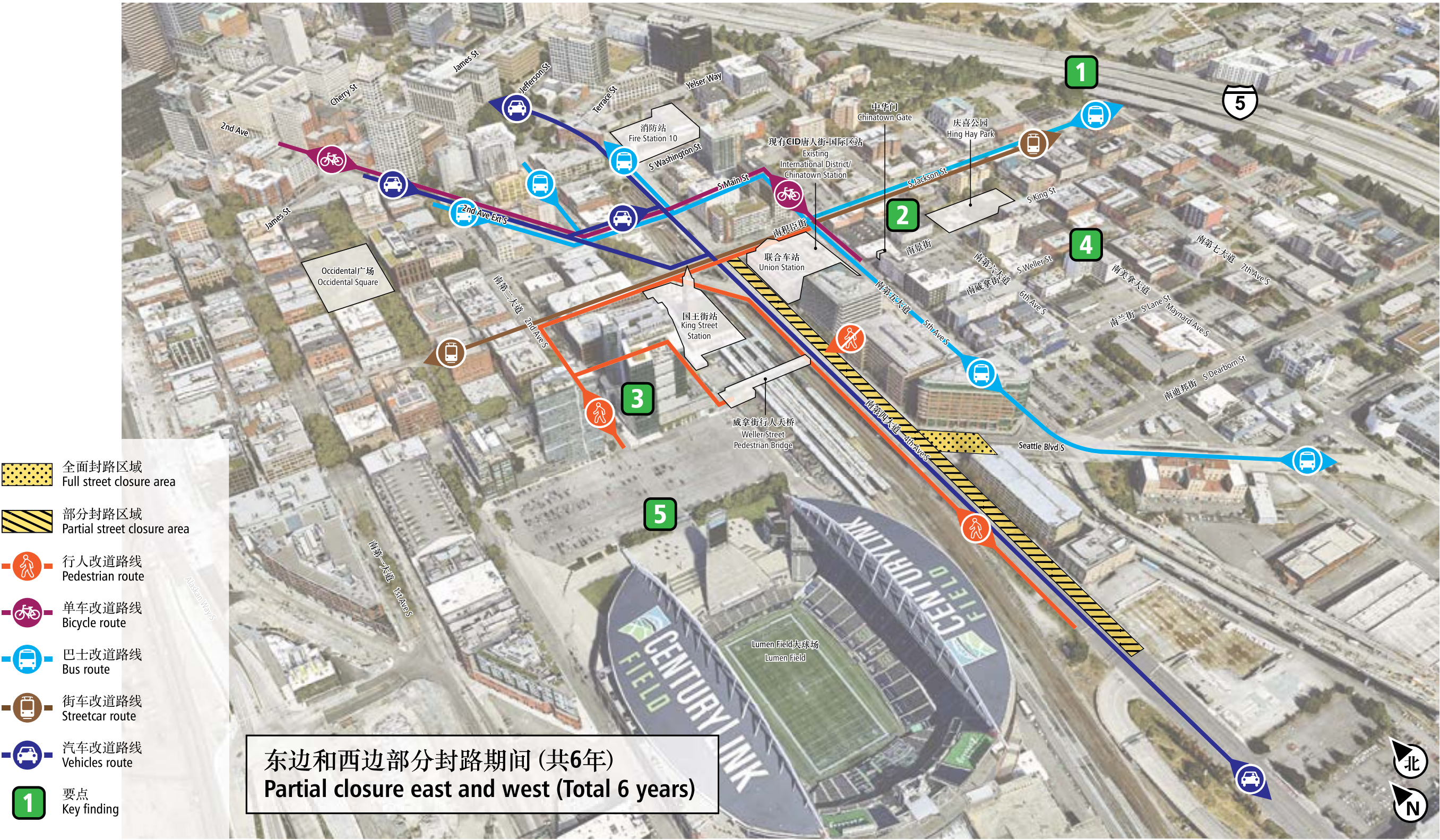


初步研究结果。分析仍在进行中，可能会作出变更。  
Preliminary findings. Analysis is ongoing and is subject to change.



# 第四大道浅层方案 - 部分封路区域(东边)和改道路线

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



初步研究结果。分析仍在进行中，可能会作出变更。  
Preliminary findings. Analysis is ongoing and is subject to change.







# 第四大道浅层方案 - 施工要点与支援策略

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

### 要点 Key finding

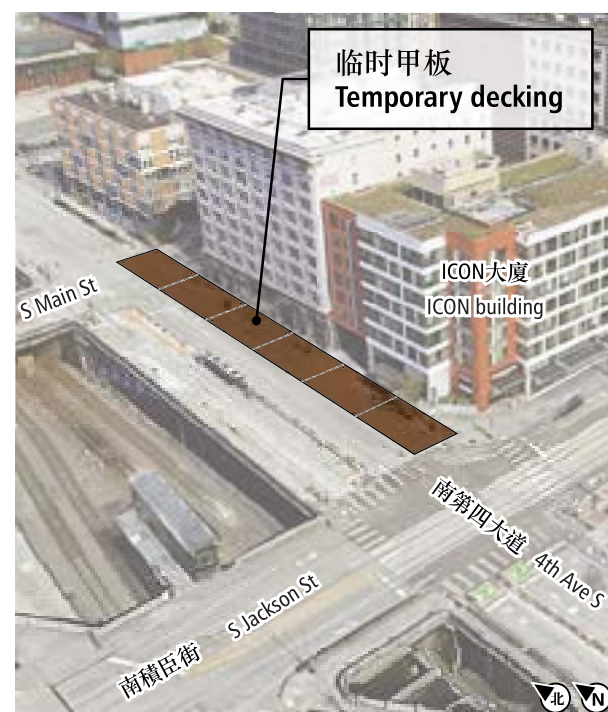
1

可将ICON居民迁移期间从4年减少到两次，每次为期2个月  
ICON displacements can be reduced from 4 years to two 2 months periods

### 支援策略 Supporting Strategies

1a

在第四大道安装临时甲板，允许地下施工继续进行  
Install temporary decking on 4th Avenue to allow construction below grade to continue



### 要点 Key finding

2

通过一系列策略可减少施工时的噪音和空气质量影响  
Reduction in noise and air quality construction effects through a range of strategies

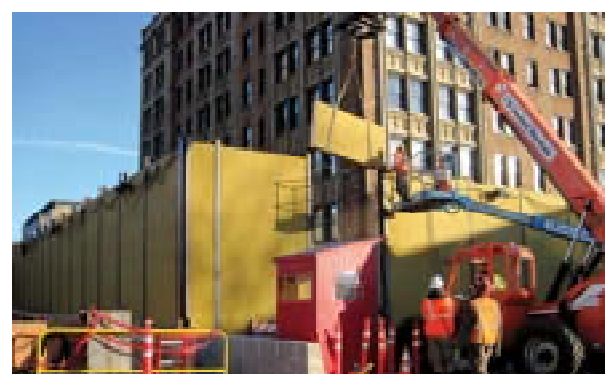
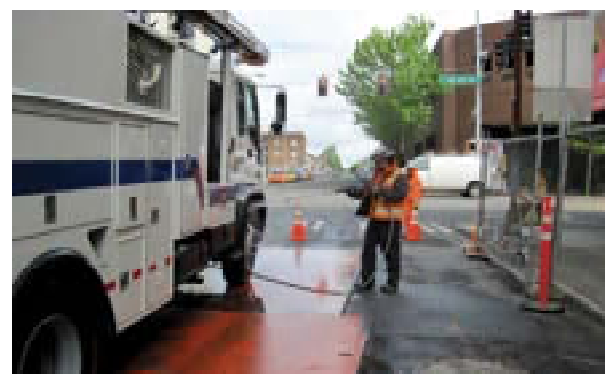
### 支援策略 Supporting Strategies

2a

尽量减少空气质量影响的措施（包括覆盖卡车装载、卡车引擎空转限制、车轮清洗等）  
Measures to minimize air quality impact (cover truck loads, truck idling restrictions, wheel washing, etc.)

2b

尽量减少噪音影响的措施（隔音屏障，尽可能让嘈杂的设备和活动远离噪音敏感地点等）  
Measures to minimize noise impact (noise barriers, keep noisy equipment and activities away from noise-sensitive locations as much as possible, etc.)



### 要点 Key finding

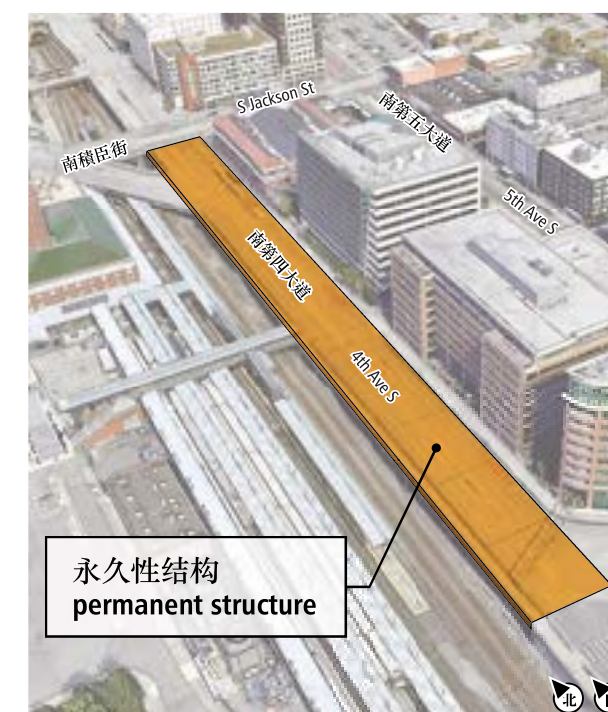
3

第四大道部分车道关闭时间可缩短近1年  
Reduction in duration of partial closure on 4th Avenue by 1 year

### 支援策略 Supporting Strategies

3a

分段施工放弃采用临时甲板，为第四大道高架桥建造永久结构  
Stage construction without temporary decking. Build permanent structure for 4th Ave viaduct



### 要点 Key finding

4

可减少BNSF铁路的潜在影响，但将建设工期延长1年  
Reduction in potential impacts to BNSF, but lengthens construction duration by 1 year

### 支援策略 Supporting Strategies

4a

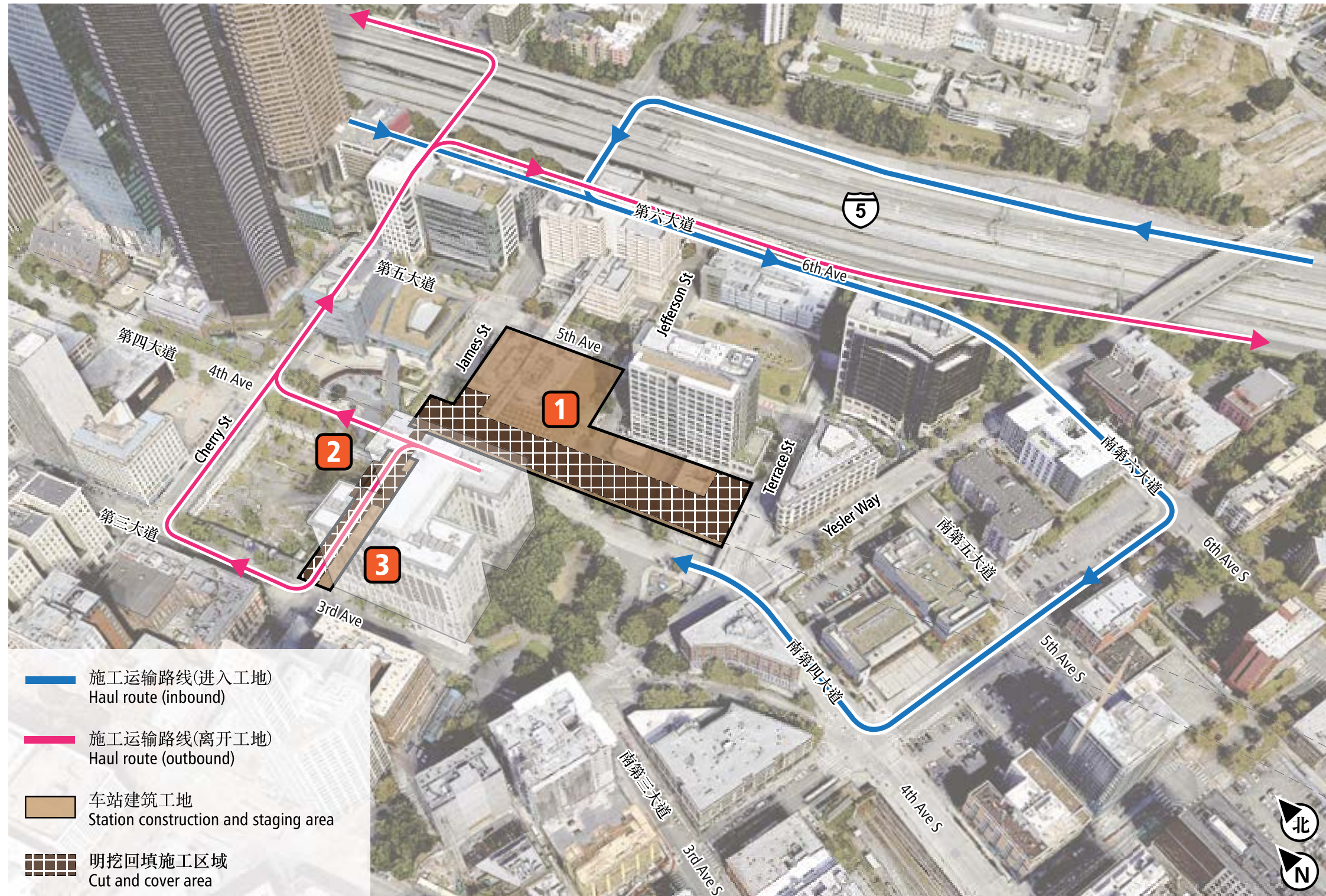
使用不同的施工方法来支撑开挖墙（例如改用割线桩墙而不采用泥浆墙）  
Use different construction method for support of excavation walls (such as secant pile walls instead of slurry walls)





# CID唐人街-国际区以北 - 车站建筑工地和运输路线

North of CID - station construction area and haul routes



## 施工时的影响

### Construction effects

1

影响金县行政大楼和其他提供社会服务的建筑物  
Affects King County Administration Building and other buildings that house social services

2

未发展物业的潜在车站入口机遇, 需与发展计划协调  
Opportunity for a potential station entrance at undeveloped property, requires coordination with development plans

3

可以暂时将无轨电车从James St转移到附近的走廊 (取决于车站格局设计)  
Could temporarily relocate trolley wire buses from James St to nearby corridor (depending on configuration)

大约兴建车站施工期间  
Approximate station construction duration

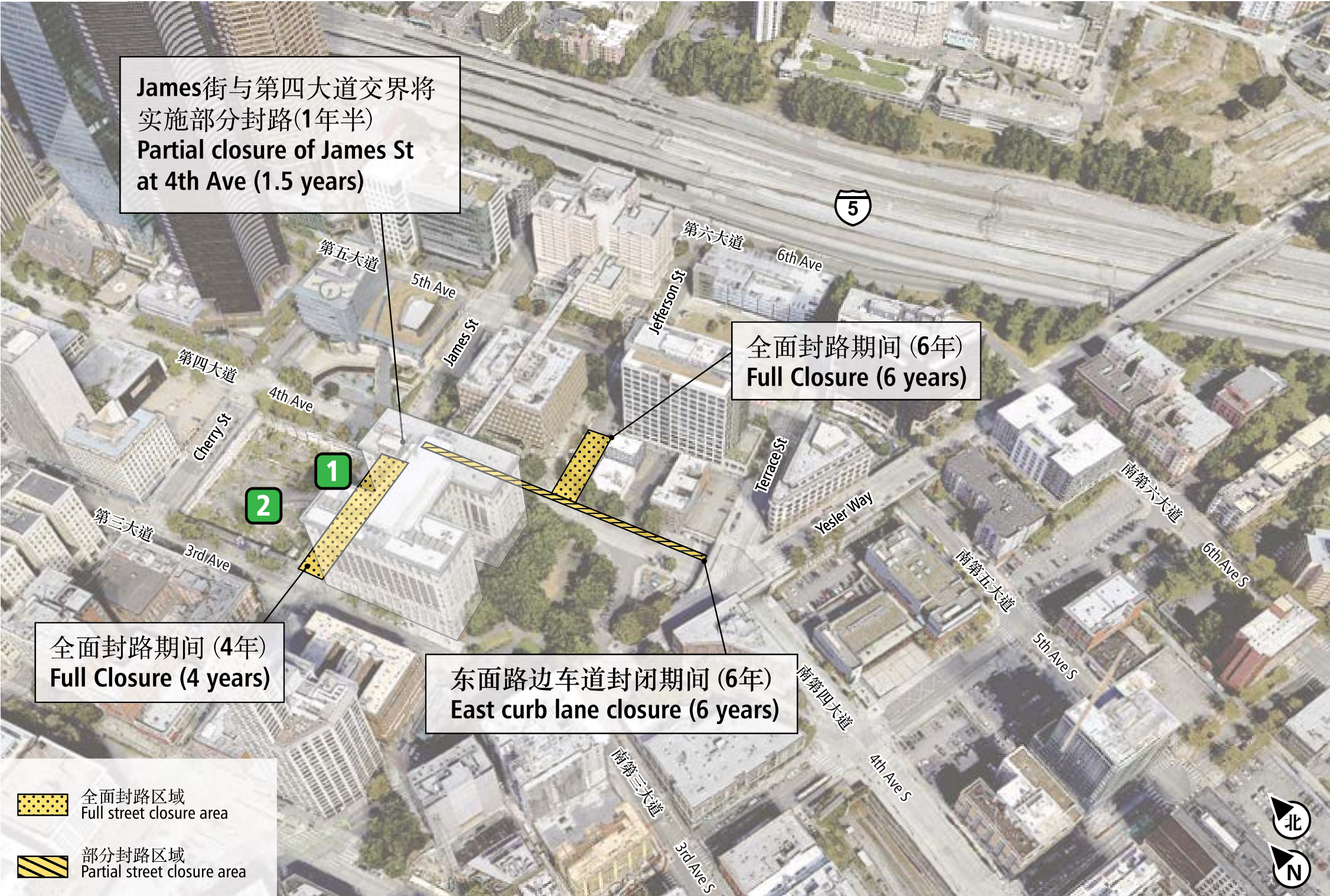
6至7年  
6-7 years

初步研究结果。分析仍在进行中, 可能会作出变更。  
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# CID唐人街-国际区以北 - 施工封路期间和区域

## North of CID - street closures and durations



### 交通影响 Traffic effects

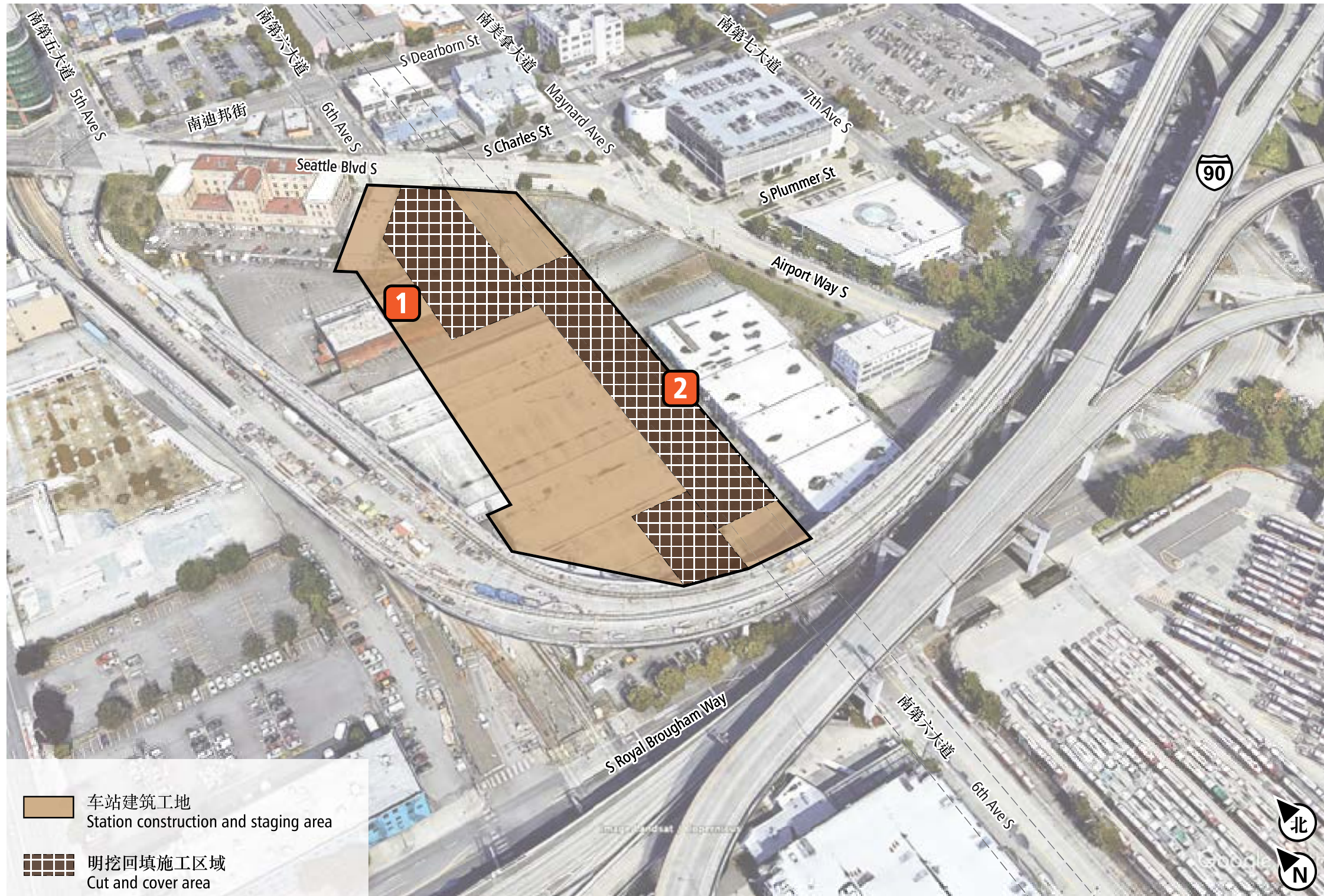
- 1 与现有Pioneer Square站的地下连接走廊建设可能需要关闭第三和第四大道之间的James街，具体取决于车站格局设计  
Construction of underground connection to existing Pioneer Square station could require closure of James St between 3rd and 4th Aves depending on configuration
- 2 通过将地下连接走廊移动到私人物业来减少James街关闭的机会  
Opportunity to reduce James Street closure by moving underground connection onto private property

初步研究结果。分析仍在进行中，可能会作出变更。  
Preliminary findings. Analysis is ongoing and is subject to change.



# CID唐人街-国际区以南 - 车站建筑工地

## South of CID - station construction area



### 施工时的影响 Construction effects

- 1 车站入口和建筑工地需要与任何未来的发展计划相协调  
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

大约兴建车站施工期间  
Approximate station construction duration

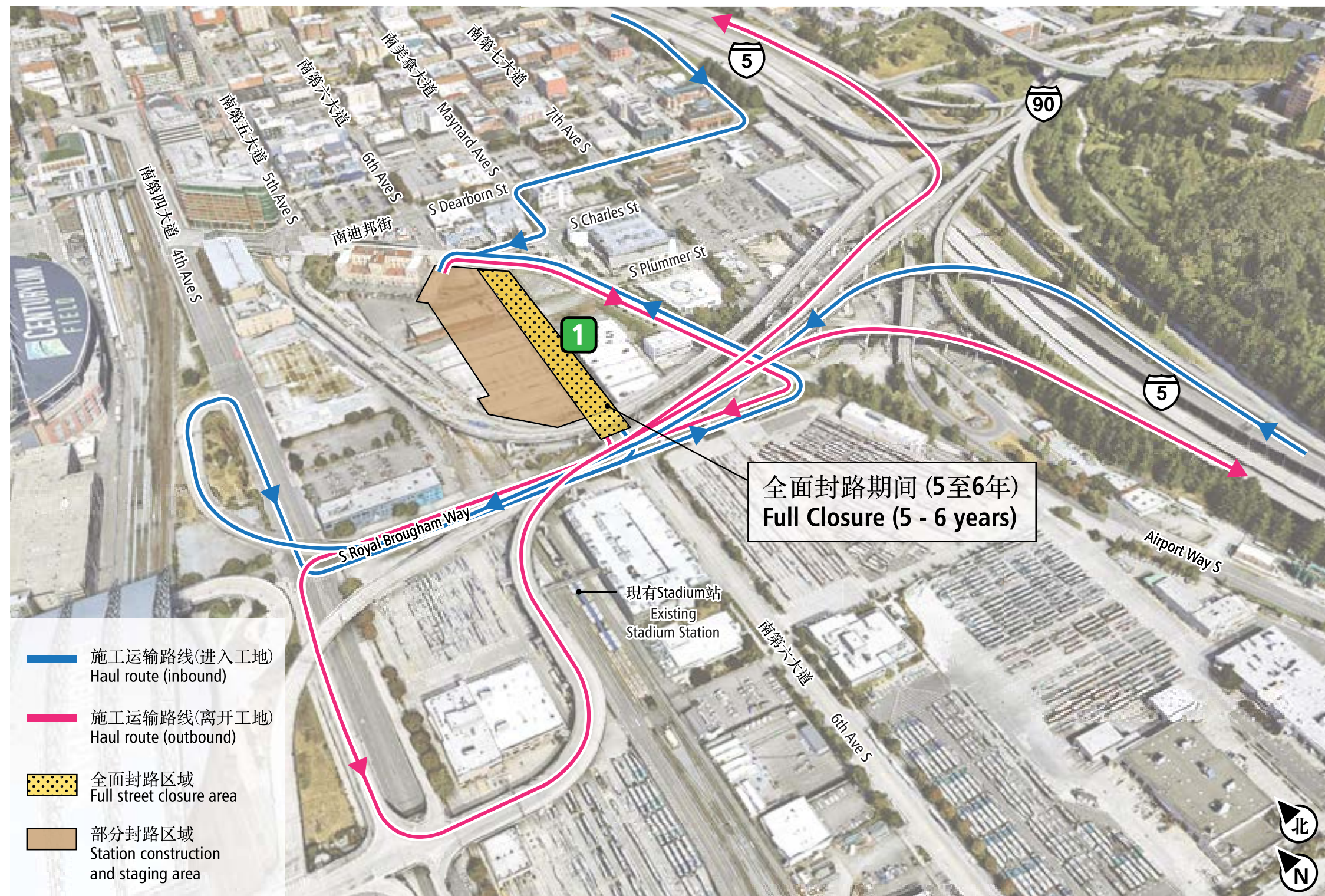
5至6年  
5-6 years

初步研究结果。分析仍在进行中，可能会作出变更。  
Preliminary findings. Analysis is ongoing and is subject to change.



# CID唐人街-国际区以南 - 施工封路期间和区域与运输路线

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



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

初步研究结果。分析仍在进行中，可能会作出变更。  
Preliminary findings. Analysis is ongoing and is subject to change.





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