DPD

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Director's Rule 8-2015

SDOT

Director's Rule 01 - 2015

Applicant:	Page	Supersedes:
City of Seattle	1 of 3	N/A
Department of Planning and Development (DPD)	Publication:	Effective:
Department of Transportation (SDOT)		
Subject:	Code and Section Reference:	
Occidental Avenue S and First Avenue S Street Design Concept Plan	SMC Chapter 23	3.53
Street Design Concept Flam	Type of Rule:	
Appendix N to Right-of-Way Improvements Manual*	Code Interpretati	on
* The Dight of Way Improvements Manual	Ordinance Authority:	
* The Right-of-Way Improvements Manual is SDOT's Director's Rule 07-2012.	SMC 3.06.040 & 3.12.020	
	Approved	Date
	Scott Kubly, Director, SDOT	
Index:	Approved	Date
Land Use Code/Technical and Procedural Requirements	Diane M. Sugimura, Di	rector, DPD

BACKGROUND

In 2000 the City of Seattle designated a Stadium Transition Overlay District in the Land Use Code to recognize the significance of Seattle's large professional sports facilities and the uses typically associated with them. The policy direction was to create a pedestrian connection with downtown; discourage encroachment on nearby industrial uses to the south; and create a pedestrian-friendly streetscape to support event day activities. In 2012 the public boards that own the professional baseball

stadium and the professional football/soccer stadium, and the teams they host, partnered to create a vision for enhancing a user-friendly district that also enriches adjacent neighborhoods. These stakeholders approached the City of Seattle requesting adoption of a plan. In 2013 City of Seattle Departments of Planning and Development (DPD) and Transportation (SDOT) conducted an extensive stakeholder engagement process, and a Stadium District Study, to consider additional land use and urban design actions that could be taken to address the area nearby the professional sports stadiums. Stakeholders included representatives of adjacent neighborhoods including the Duwamish Manufacturing / Industrial Center (M/IC), the Chinatown/International District, and Pioneer Square, as well as the Port of Seattle.

Over the course of the study, a high priority on improving the quality of streetscapes and connections between neighborhoods was identified. The importance of preserving or improving the function of the vehicular transportation network – especially for freight mobility – was also emphasized. As a result, a series of streetscape concept designs that could improve comfort, safety, and wayfinding for large volumes of pedestrians, especially before and after event times were developed. These streetscape concepts would not impinge on vehicle movement in any way compared to the function of the roadways' existing condition. The streetscape concepts also are designed to function well for all transportation modes during non-event times.

The Stadium District Study Street Design Concept Plans focus on Occidental Ave. S. and First Ave. S. between S. King St. and S. Holgate St. The concept plans recognize very different characters for the two streets, as First Ave. S. is a major truck street, while Occidental Ave. S. is a non-arterial roadway. A goal of the Street Design Concept Plan is to help identify the appropriate design characteristics, roadway configurations and amenities that will allow them to perform as a highly functional pair for all modes of transportation.

The street design concept plan provides greater predictability for stakeholders when making investments in City rights-of-way on streets in the study area. The concept plan establishes a consistent design framework and identifies preferred urban design treatments to support and enhance the preferred character of the streets. To create this concept plan, multiple City departments were engaged along with area stakeholders, property owners, residents, and businesses.

RULE

The Occidental Avenue S and First Avenue S Street Design Concept Plan is incorporated into the Seattle Department of Transportation Right-of-Way Improvements Manual as Appendix N. The provisions of the concept plan are voluntary. However, property owners are encouraged to follow them in order to enhance the area.

The concept plan has been reviewed by the Seattle Department of Transportation (SDOT) and the Department of Planning and Development (DPD). Therefore, applicants for Street Improvement Permits that follow these concept plans can be assured that the major design elements contained in their plans meet or exceed the requirements described in the Right-of-Way Improvements Manual. The Right-of Way Improvements Manual is the standards manual used by SDOT's Street Use Division in the permit review process for private contracts. Additionally, applicants for permits to DPD that follow these concept plans for major public realm design items can be assured that these elements are approvable through the Master Use Permit and Design Review processes.

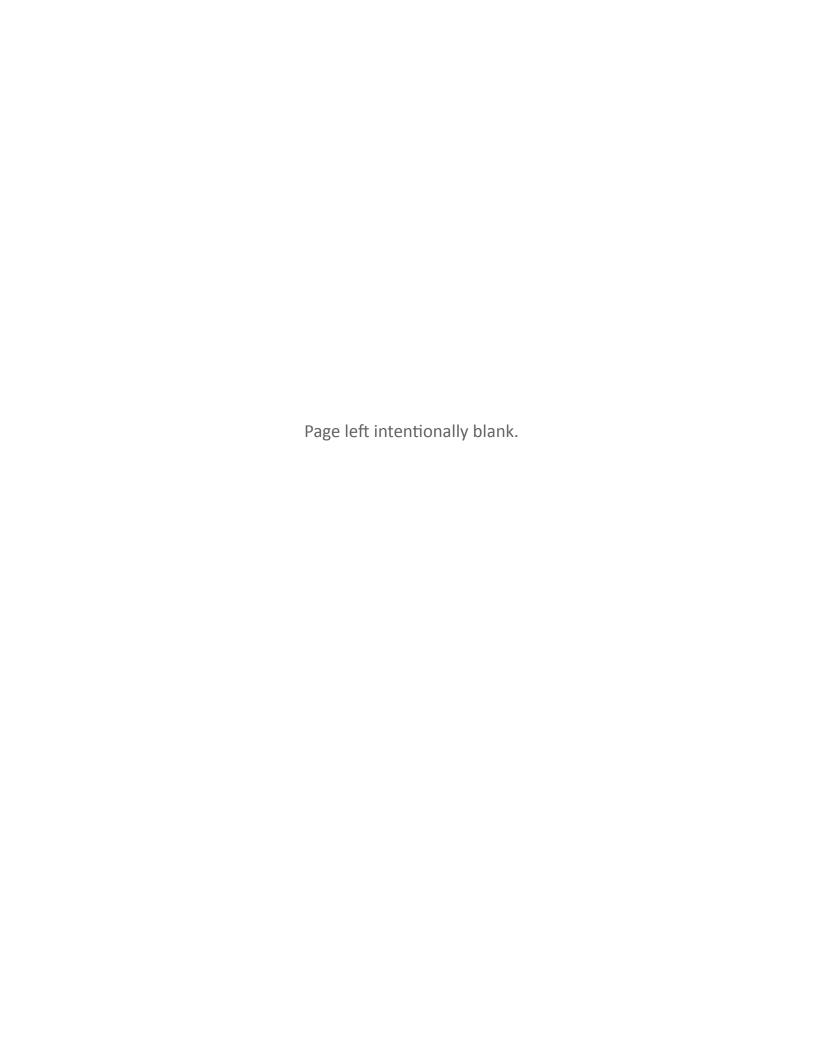
Note: Certain projects may be subject to review under City development regulations or the State Environmental Policy Act. That review could result in additional conditions relevant to the streetscape but not anticipated in the Occidental Avenue S and First Avenue S Street Design Concept Plan.

REASON

While the Occidental Avenue S and First Avenue S Street Design Concept Plan does not establish requirements, the conceptual design has been approved through review by SDOT and DPD. Approval of the concept plan as an Appendix to the Right-of-Way Improvements Manual provides recognition of the design and gives clear guidance to property owners who wish to follow these plans.

STADIUM DISTRICT STUDY STREET CONCEPT PLAN

Final Draft. February, 2015



STREET CONCEPT PLAN

Public Art

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STREET CONCEPT PLAN

Street Concept Plan Overview







Green Street Designation (Existing)

"Neighborhood Green Streets emphasize pedestrian amenities, landscaping, historic character elements, traffic calming, and other unique features."



Neighborhood Green Street Designation (Proposed)

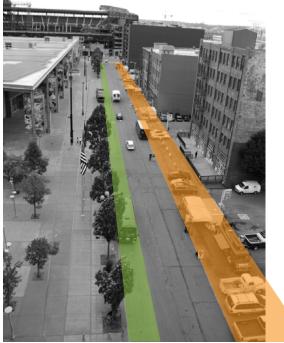
The northernmost four blocks of Occidental Avenue are currently designated as a Green Street. This plan proposes to designate the remaining portions of Occidental Avenue as a Neighborhood Green Street, as well as the Charles Street and Railroad Way rights-of-way. The Neighborhood Green Street designation emphasizes pedestrian amenities, landscaping, historic character elements, traffic calming, and other unique features to create an enhanced public realm.

This street concept plan includes 1st Ave. S. and Occidental Ave. S. from S. King St. to S. Holgate St. The plan can guide improvements that can be made over time in conjunction with private development, by stakeholders, or through capital projects. The plan seeks to create a linked network of streetscapes and public spaces that can support goals and policies for the Stadium District.

Existing Conditions

Occidental Avenue currently functions as a shared street that accommodates a variety of uses, including walking, biking, driving, deliveries, parking, trash collection and services, and vendors. Allocation of street right of way to these uses is informal and changes between event and non-event days. This plan seeks to upgrade the design of Occidental to reinforce the character of the district and better inform how space should be allocated between uses on both event and non-event days.





Standard side walk in Occidental Avenue

Exist street use zones



Building frontage zone

First Avenue

Existing Conditions

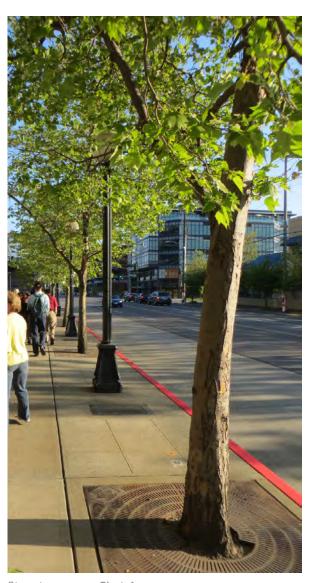
First Avenue is a primary arterial south of Railroad Way and generally has a cross-section of two-through lanes in each direction, with on-street parking, and sidewalks on each side of the street. At intersections, the roadway widens to include turn lanes and drops on-street parking. Major street users include through traffic, port-related freight, patrons of retail along the corridor, and event-related pedestrian and vehicle traffic. This plan seeks to upgrade the street design to improve pedestrian character and sense of safety while maintaining traffic functionality for freight and vehicles.



Major freight on First Avenue



Retail on First Avenue



Streetscape on First Avenue

Traffic Operations (King St. to Royal Brougham Way Vicinity)

	Existing / Planned 2030 Conditions*	Proposed Change Per Street Concept Plan (if any)
Roadway Classification / Street Type	Non-arterial	Neighborhood Green Street
Traffic Operation	 Two way travel 1 NB Lane and 1 SB Lane No marked channelization Roadway closed to through vehicles traffic during major events at CenturyLink or Safeco Fields 	 No operational changes Curbless roadway configuration enhances shared street characteristics. Mixing of slow speed travel by vehicles, pedestrians, and bicycles
Traffic Volumes (Source: Arena DEIS*)	AWDT @ 1.850/850PM Peak @ 185/85	No change proposed
Level of Service (Source: Arena DEIS*)	With Event Operations: Occidental/ S Royal Brougham LOS E/F	No change proposed
On Street Parking and Curbspace Management	 On street parking interspersed in some locations west side. Some parallel, some perpendicular. Depends on adjacent building use East side: on street parallel some locations West side: Street vending in right of way within some locations during event times 	Improved organization and demarcation of curb spaces including parking. Improved organization for vending spaces
Freight Movement	 Local freight access to Nordic Cold Storage Some local truck loading to businesses on west side Freight access for large trucks for events at CenturyLink Field through north lot parking lot 	No change proposed
Bicycle Facilities	 None designated Bicycle and vehicles share travel lane 	 Identify as bicycle Shared Street Curbless roadway configuration enhances shared street characteristics. Mixing of slow speed travel by vehicles, pedestrians, and bicycles

^{*} This summary adopts assumptions made as part of the DEIS for the proposed basketball Arena including: the proposed vacation of Occidental Ave. S. between S. Holgate St. and S. Massachusetts St.; and incorporation of assumptions regarding future traffic functionality after completion of the SR99 replacement project.

Traffic Operations (Edgar Martinez Drive to Holgate Street Vicinity)

	Existing / Planned 2030 Conditions*	Proposed Change Per Street Concept Plan (if any)
Roadway Classification / Street Type	Non-arterial	Neighborhood Green Street
Traffic Operation	 Two way travel 1 NB Lane and 1 SB Lane No marked channelization 	 No operational changes Curbless roadway configuration enhances shared street characteristics. Mixing of slow speed travel by vehicles, pedestrians, and bicycles
Traffic Volumes (Source: Arena DEIS*)	 AWDT @ 3,100/1,000 PM Peak @ 310/100 	No change proposed
Level of Service (Source: Arena DEIS*)	With Event Operations: Occidental/ S Royal Brougham LOS E/F	No change proposed
On Street Parking and Curbspace Management	 On street parking interspersed in some locations west side. Some parallel, some perpendicular. Depends on adjacent building use East side: on street parallel parking south of Massachusetts West side: Primarily perpendicular parking interspersed with business access and loading zones 	Improved organization and demarcation of curb spaces including parking. Improved organization for vending spaces
Freight Movement	Some local truck loading to businesses on west side	No change proposed
Bicycle Facilities	 None designated Bicycle and vehicles share travel lane 	 Identify as bicycle Shared Street Curbless roadway configuration enhances shared street characteristics. Mixing of slow speed travel by vehicles, pedestrians, and bicycles

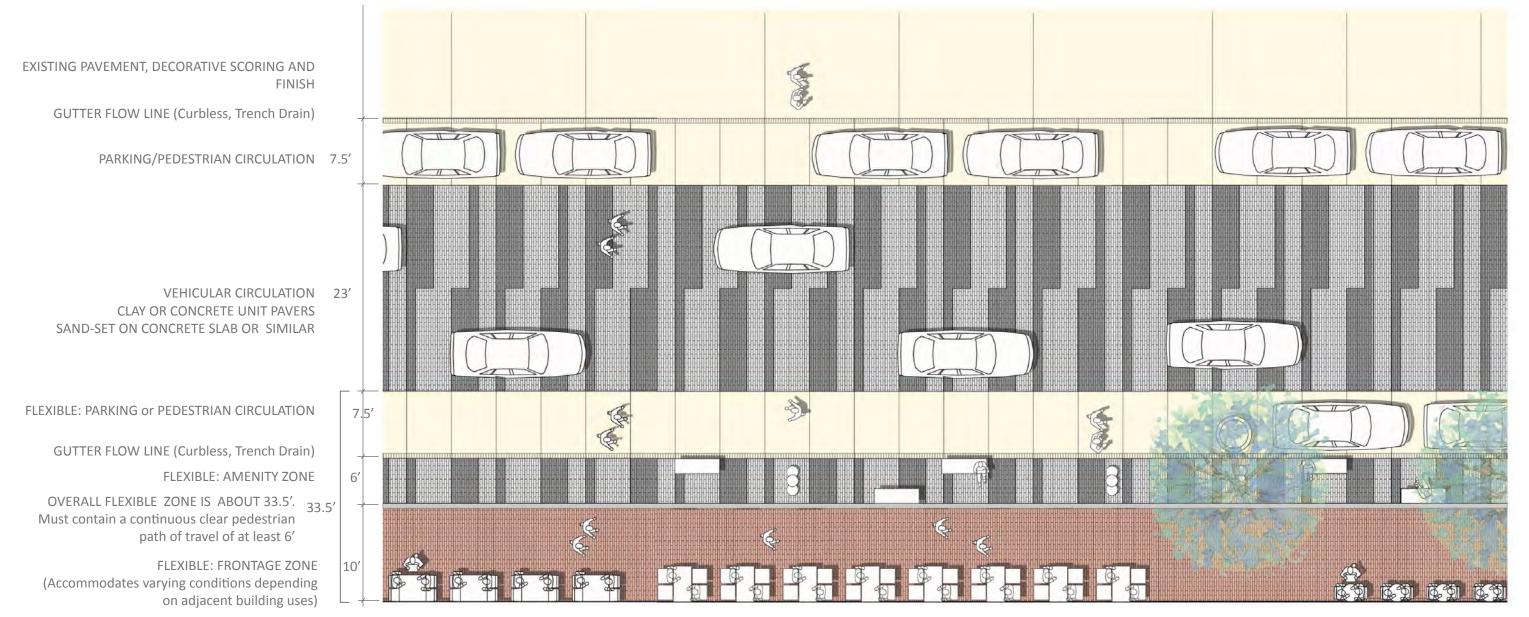
^{*} This summary adopts assumptions made as part of the DEIS for the proposed basketball Arena including: the proposed vacation of Occidental Ave. S. between S. Holgate St. and S. Massachusetts St.; and incorporation of assumptions regarding future traffic functionality after completion of the SR99 replacement project.



The Occidental Avenue South streetscape design emphasizes flexibility, mobility, a variety of scales, and a high degree of amenity to create a vibrant streetscape. A curbless streetscape is proposed to provide greater flexibility in accommodating event day crowds and non-event day pedestrian and vehicular flow efficiently. Use zones are implied through pavement patterns and reinforced through streetscape elements such as planters and signage.

The design draws on the converging styles of the proposed Railroad Way improvements, Pioneer Square's historic character, and the monumental scale and sports themes of the stadiums.

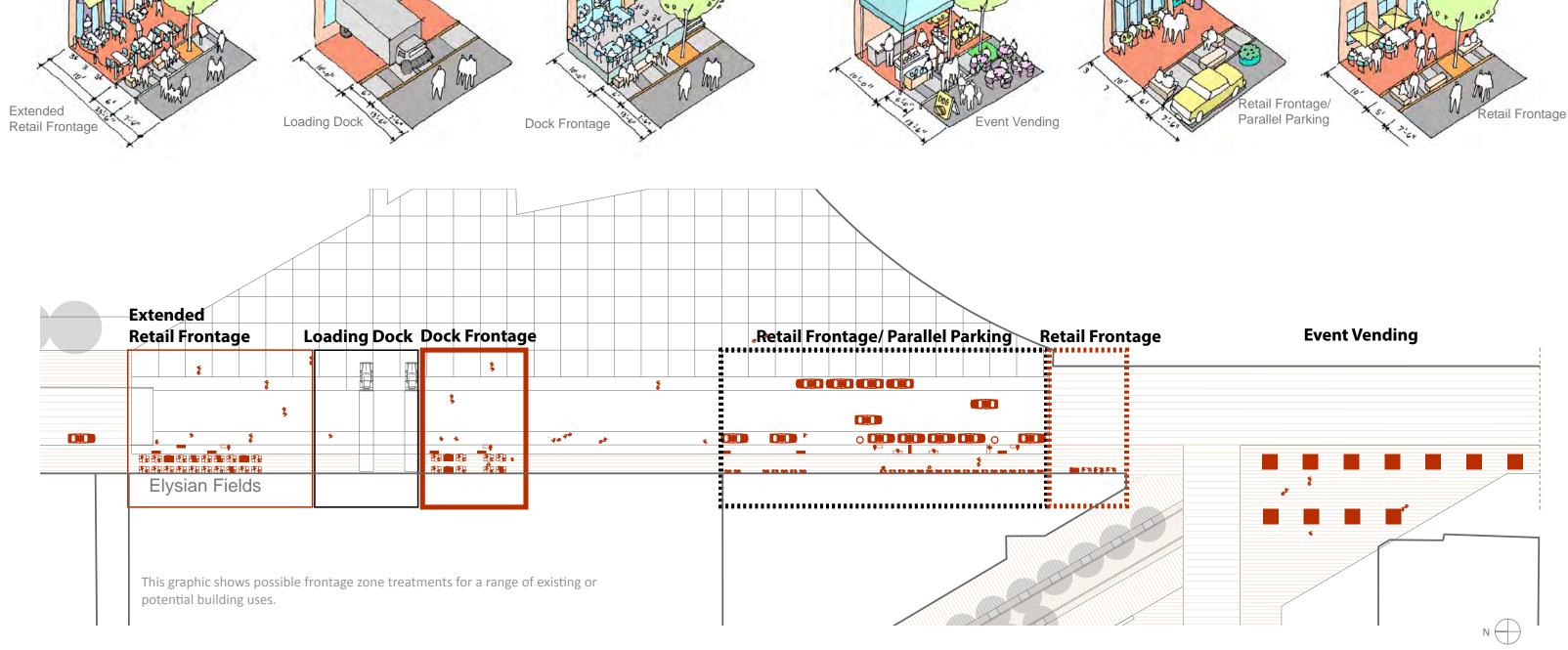
- Existing Pavement, Decorative Scoring and Finish: Retain the existing pavements of Centurylink and Safeco fields
- Gutter Flow Line: Curbless with trench drain, continuous.
- Vehicular/Pedestrian Circulation Zone: Pavement to accommodate two-way flow of vehicular traffic and game-day crowds of pedestrians; clay or concrete unit pavers in colors relating to Railroad Way palette.
- Parking/Pedestrian Circulation Zone: Concrete pavement, raised planters, non-event day street parking
- Amenity Zone: Unit paver pavement, street furniture and street trees where underground conditions permit
- Frontage Zone, Clay Unit Pavers, Sand-Set On Concrete Slab: A flexible zone for pedestrian circulation, dining, retail displays, street vendors, or loading. Unit paver pavement. This plan proposes the adjustment of code to allow the construction of semi-permanent structures such as decks, ramps, and stairs in the public right-of-way to provide outdoor dining/retail space and to mitigate difficult grade transitions between finished floor and street elevations.

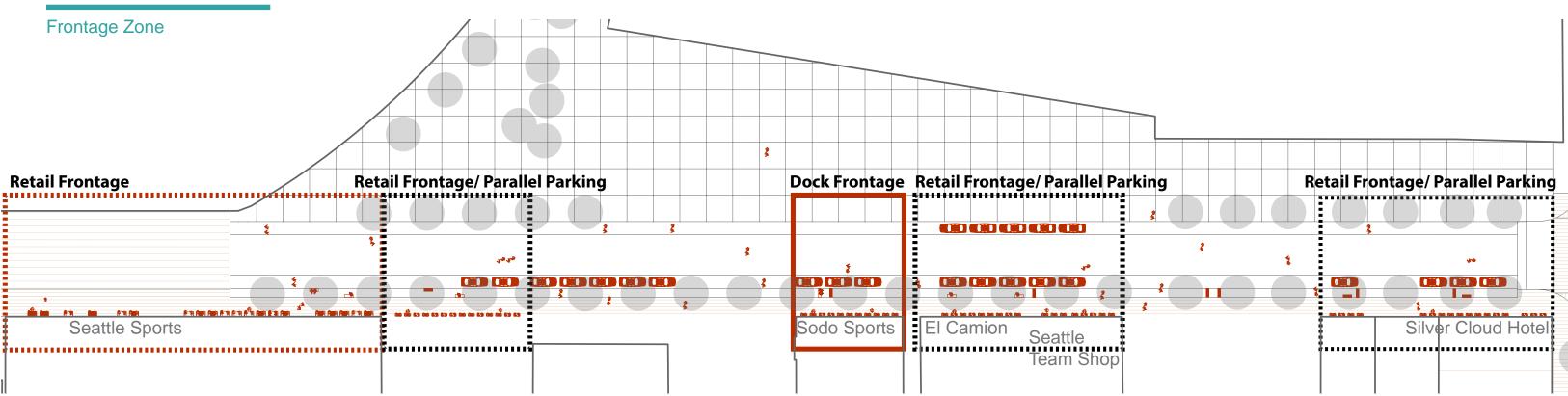


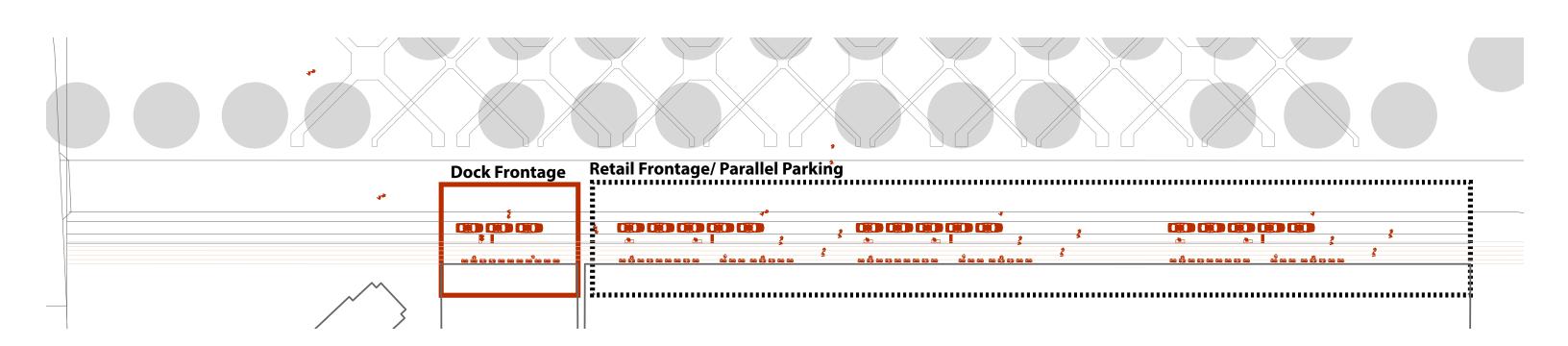
Typical Streetscape Elements - Occidental Avenue

Frontage Zone

The Occidental Avenue streetscape provides the flexibility to address a variety of existing and future conditions along the street's west edge. Use of the zone by adjacent building activities is encouraged. Physical improvements to accommodate sidewalk cafes and vending are allowed pursuant to SDOT street use permitting. Durable and permanent materials, and attention to design detail should be used for features in the zone. Street Vending Development of guidelines for street vending in the Stadium District is recommended.



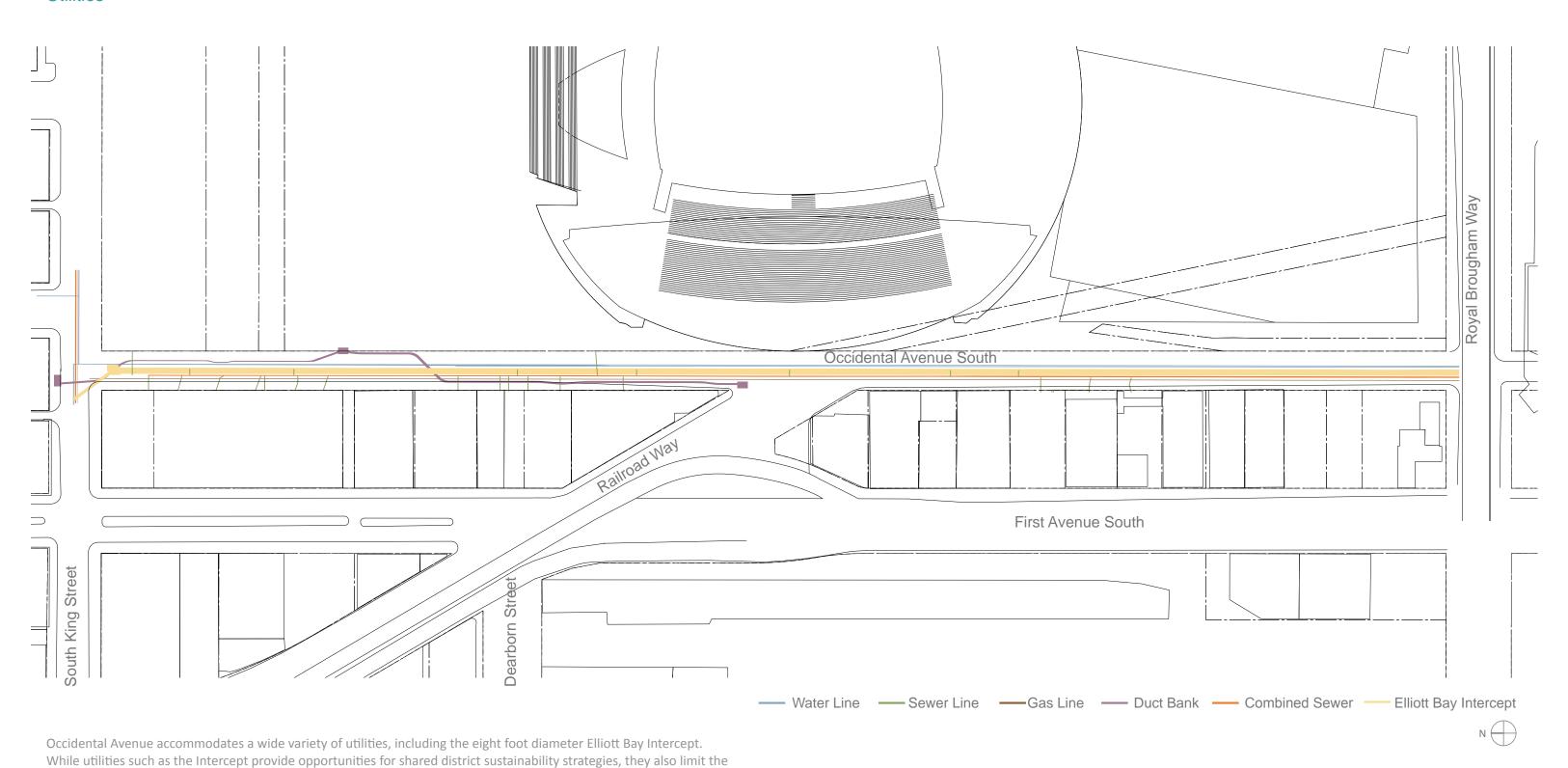




area in which in-grade landscaping can occur. For this reason the proposed street tree layout for Occidental Avenue is

intermittent and supplemented by above-grade planters.

Utilities

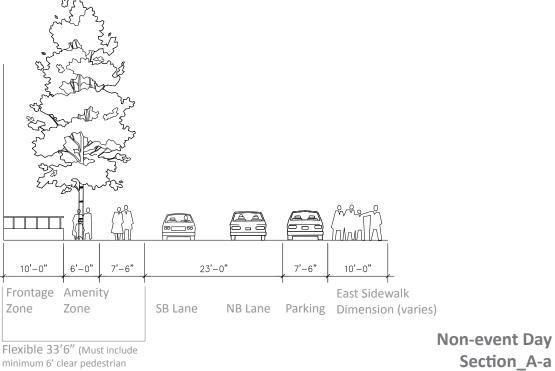


Street Concept Plan 9

Occidental Avenue serves as the major north/south pedestrian thoroughfare through the Stadium District, and also as a vital component of the stadiums' access and staging. These important functions are being retained and enhanced through the following measures:

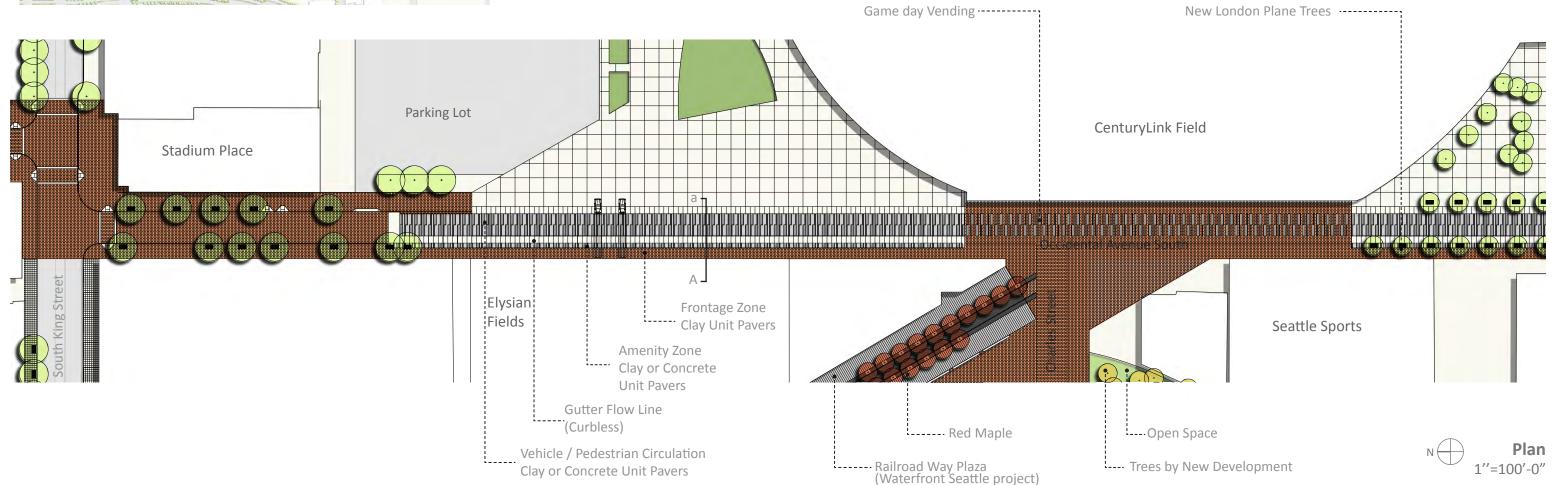
- Retain all loading and charter bus parking, maintain critical clearances and turning movements
- Extend the pedestrian experience of Occidental Avenue in Pioneer Square southward through the Stadium District and imbue it with the character of the District
- Address the diverse set of existing conditions along the west edge of Occidental Avenue
- Retain existing street trees and provide new street trees where utilities allow. The density of utilities in the Occidental corridor may preclude the use of trees in the streetscape, particularly along the west edge or the right of way.
- Maintain space at the nexus of Railroad Way and Occidental Avenue for a game-day vending envisioned to extend westward from the CenturyLink concourse

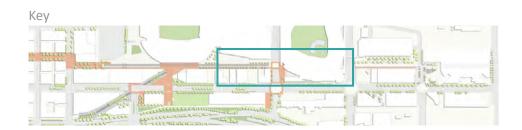




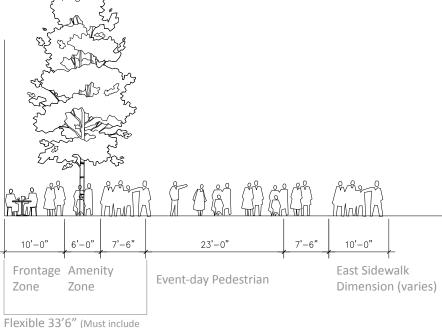
minimum 6' clear pedestrian path of travel.)

Section_A-a 1/16"=1'-0"









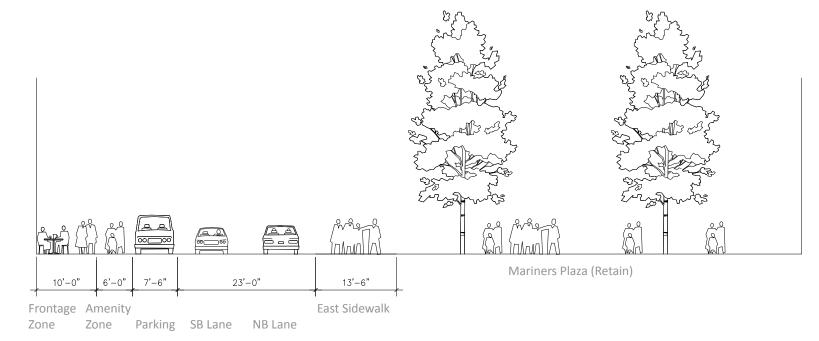
minimum 6' clear pedestrian

Event Day Section_B-b 1/16"=1'-0"



The southern block of Occidental Avenue is particularly important to Safeco Field's operation and the game-day experience of its patrons. The proposed enhancements maintain all existing functions and create a more cohesive Stadium District while anticipating a future arena.

The Arena DEIS documents the impacts of Occidental Avenue South vacation on overall circulation in the area. These impacts include diversion of vehicle traffic that currently uses this segment of Occidental, as well as an altered network for bicycles and pedestrians. The Arena DEIS describes an enhanced sidewalk network in the vicinity of the proposed Arena.



Section_C-c 1/16"=1'-0"

_____ accommodate large trucks. Streetscape Transition Zone -----.--- Coordinate transition of proposed arena plaza treatment with to/from a Curbless Environment Occidental Avenue improvements. Curbless Concrete Roadway-----Mariners Garage Occidental Avenue South Street Vacation Proposed Edgar Martinez Dr S Arena (Proposed) Amenity Zone Frontage Zone Clay or Concrete Clay Unit Pavers **Unit Pavers** Gutter Flow Line (Curbless)

Turning radius must be sized to

Plan 1''=100'-0"



Non-event Day

During non-event times Occidental Avenue will be an increasingly lively open space amenity for area residents and employees while continuing to support vehicular movement and staging within the District.



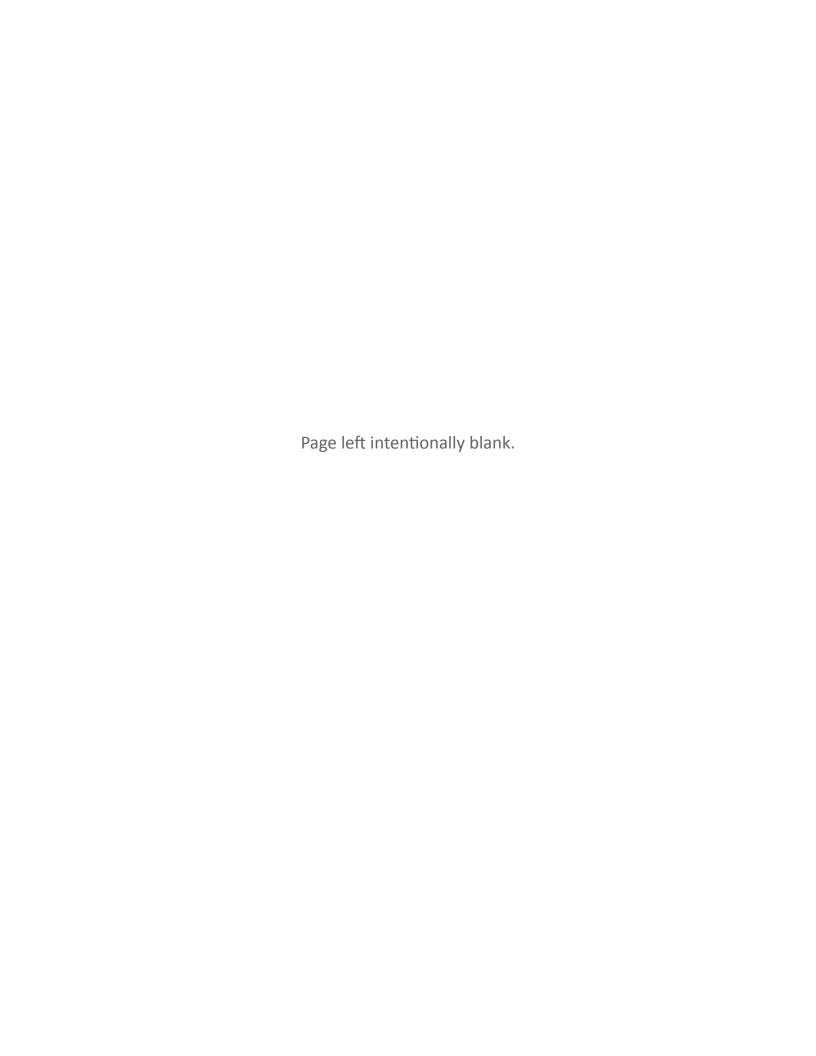
Event Day

During event times Occidental Avenue will accommodate a number of game day activities for a variety of users.

Traffic Operations (South Dearborn St. to South Holgate St.)

	Existing / Planned*	Proposed Change Per Street Concept Plan (if any)
Roadway Classification / Street Type	Principal ArterialDesignated Major Truck Street	No change proposed
Traffic Operation	 Two way travel 2 NB Lanes and 2 SB Lanes with left turn lane at major intersections Double left turn SB at S. Atlantic St Right turn lane NB at S. Atlantic St 	No operational changes
Traffic Volumes (Source: Arena DEIS*)	 AWDT @ 21,500/35,300 PM Peak @ 2,150/3,530 	No change proposed
Level of Service (Source: Arena DEIS*)	With Event Operations: 1st Avenue S/ Atlantic LOS E/F	No change proposed
On Street Parking and Curbspace Management	 Parallel on street parking west side except where roadway widens for turn lanes Parallel on street parking west side except where roadway widens for turn lanes 	 Remove parallel on street parking on east side between S. Holgate St. and S. Atlantic St, retaining extent of right turn lane approaching S. Atlantic St
Freight Movement	 Designated major truck St. Regional freight access to and from Duwamish Industrial areas Freight access to Terminal 46 at S. Atlantic St Freight access to I-90 and I-5 Freeways via S. Atlantic / Edgar Martinez Dr 	No change proposed
Bicycle Facilities	None designated	 None proposed Alternate north/south bicycle facilities to be constructed at west edge of WOSCA site between S. Royal Brougham Way and S. Dearborn St. "cityside trail"

^{*} This summary assumes the proposed vacation of Occidental Ave. S. between S. Holgate St. and S. Massachusetts St. as indicated in the DEIS for the proposed Arena.

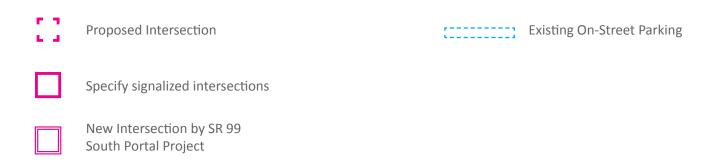


Intersections

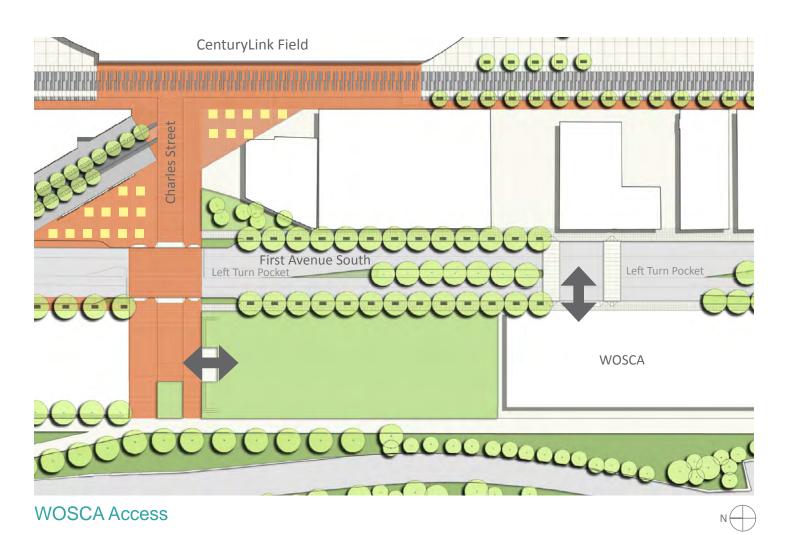
The design intent for the First Ave. S. right of way is to improve the pedestrian character and sense of safety while maintaining maximum traffic functionality for freight and vehicles. The concept seeks to extend character elements of Pioneer Square into the stadium district. The design also introduces additional trees, natural elements, and stormwater planters where possible. These elements can help buffer pedestrians from traffic.

The WOSCA site will only be accessible to vehicles from First Avenue South. Given the site's length of almost 1,400 feet, access points are envisioned at Charles Street and midway between Charles and Royal Brougham Way. The Charles Street signalized intersection is a component of the State Route 99 South Portal project. This plan proposes a second signalized intersection with full vehicular and pedestrian movements and a left turn pocket for traffic approaching from the south. The impacts of these intersections will be minimized through the use of signal timing and coordination to maintain the greatest possible through-put on First Avenue South.



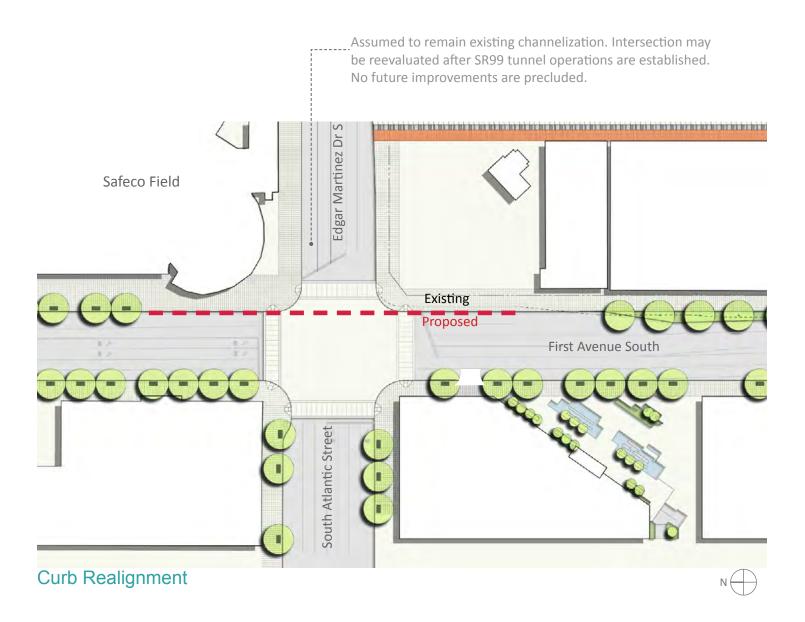


WOSCA Access, Curb Realignment



- Increased accessibility to WOSCA at two points in long block
- Impact to throughput minimized by signal coordination
- Provides access to partially below-grade parking for vehicles on the WOSCA site

A curb realignment is being proposed at the intersection of First Avenue South and Edgar Martinez Way. The existing curb in the right-turn pocket of First Avenue South is currently misaligned with the curb across the street to the north. There is sufficient width in the roadway to pull the curb into alignment while retaining all through- and turn lanes in the roadway. This adjustment will create continuity in the sidewalk with more space for pedestrian queuing and provide a more desirable frontage for future development in the currently vacant lot that abuts the sidewalk.

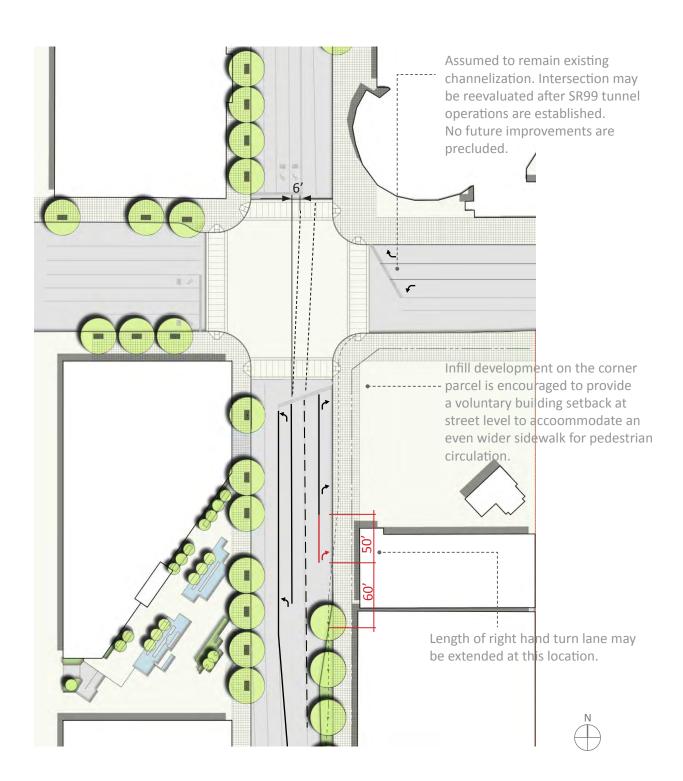


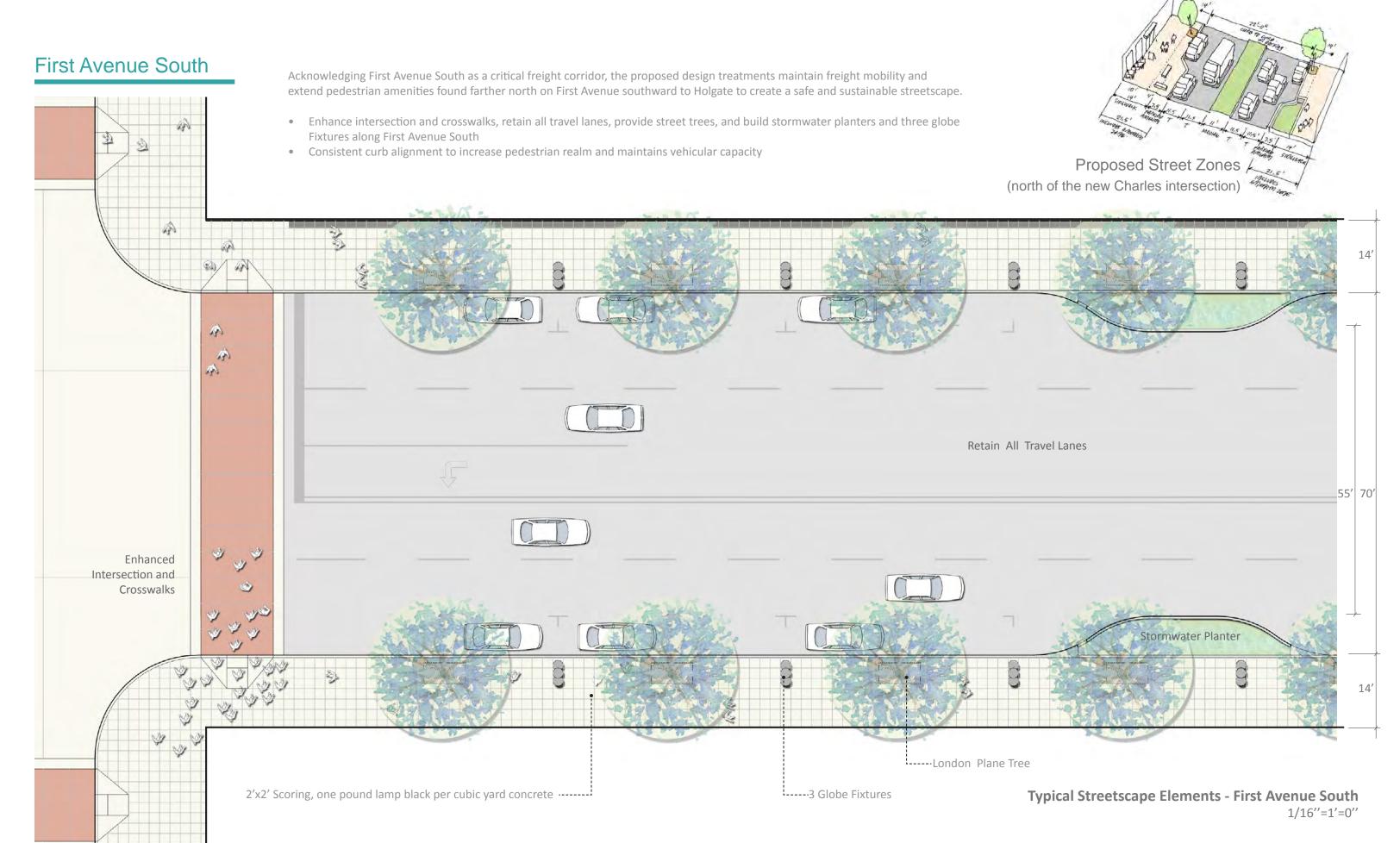
- Consistent curb alignment
- Increased pedestrian realm
- All lanes maintained

First Avenue

Intersection

This street concept plan includes a recommendation to extend the northbound right-turn pocket on First Avenue South to better accommodate vehicles turning onto Edgar Martinez Drive. By shifting the northbound lanes west, this turn lane extension can be accommodated in addition to the proposed sidewalk widening south of Edgar Martinez Drive.



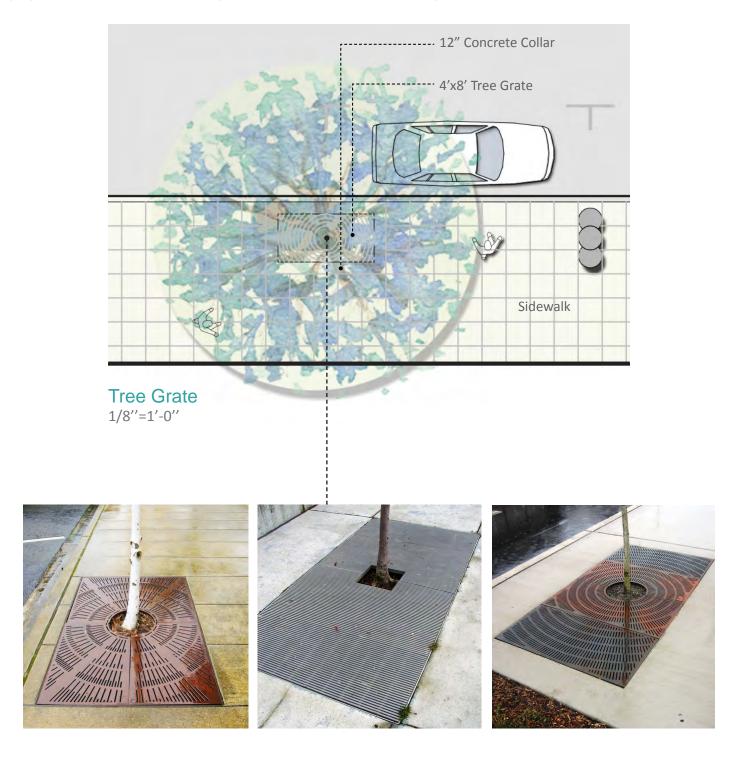


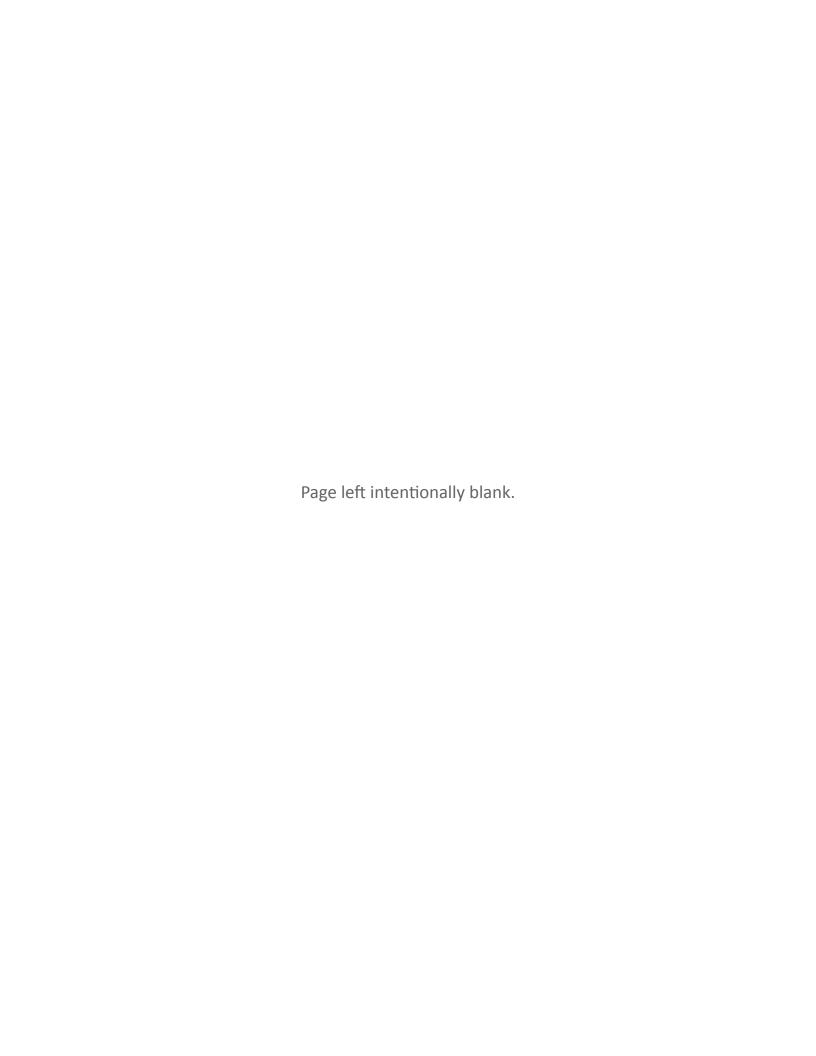
Stormwater Planter, Tree Grate

Given First Avenue South's shallow water table and proximity to Puget Sound, stormwater planters are envisioned to be detention planters rather infiltration planters. Stormwater will be taken from the gutter, detained in planters to settle out suspended solids, and then returned to the storm sewer system.

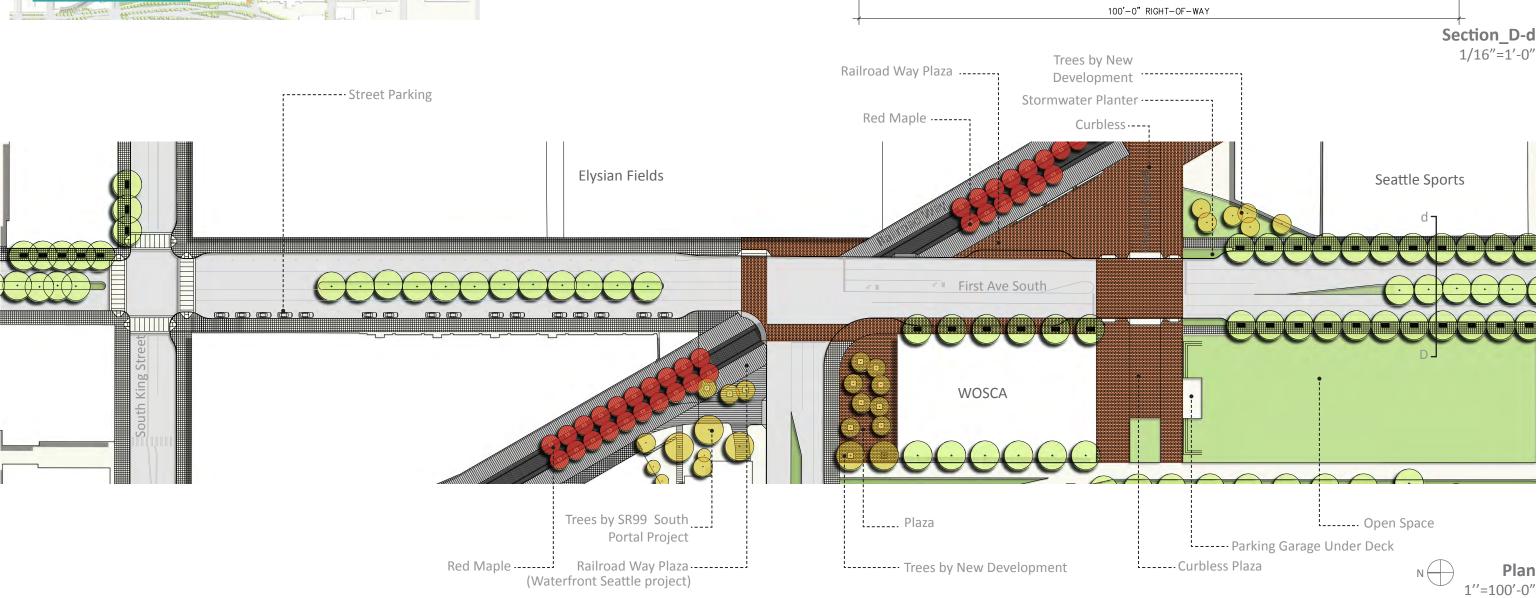


Large tree grates are proposed for use on First Avenue to sufficient walkable surface on game day. The tree grates proposed are 4' x 8' to maximize exposure between soils and the atmosphere









16'-0" WEST SIDEWALK

12'-0" NB LANE

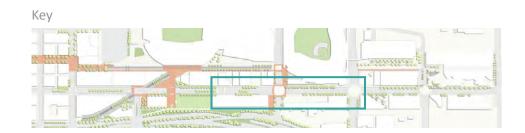
10'-0" MEDIAN

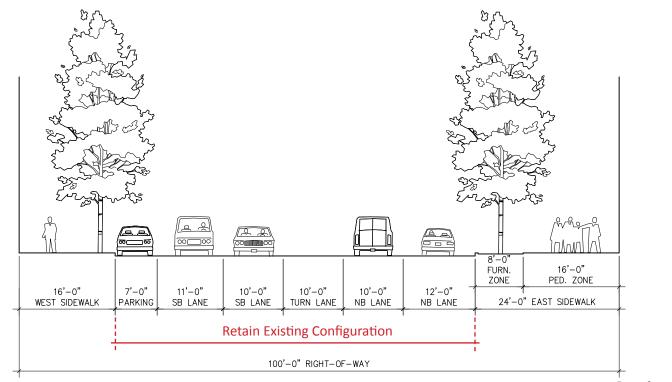
Retain Existing Configuration

10'-0" NB LANE

16'-0" PED. ZONE

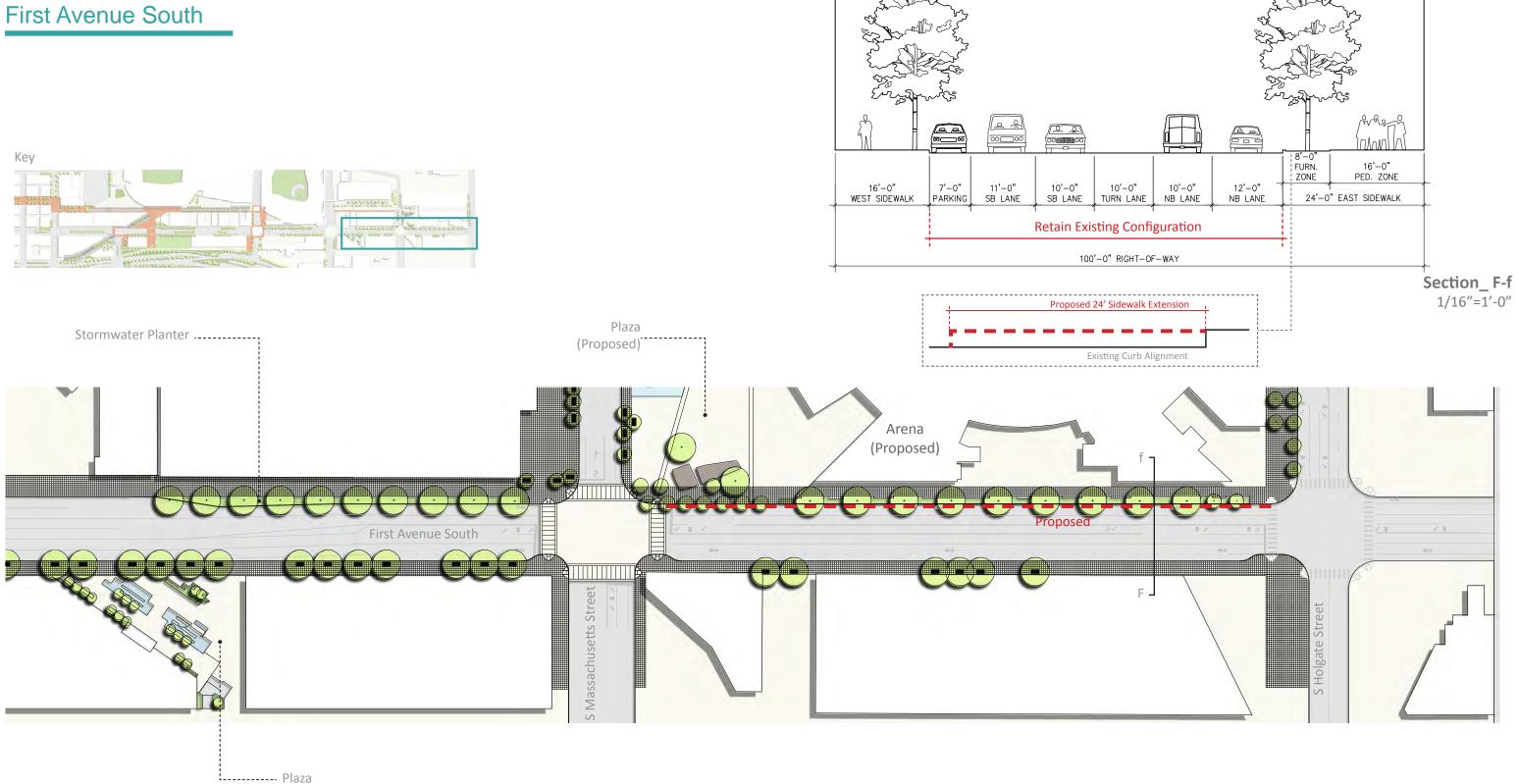
24'-0" EAST SIDEWALK





Section_ E-e 1/16"=1'-0"





Street Furnishings

Street furnishings on Occidental and First Avenue should complement the District's historic character but also add modern elements appropriate to a sports and events district. Maintaining historic features such as the rails in Occidental Avenue and Three Globe Fixtures on both Occidental Avenue and First Avenue South honors the history of the neighborhood while contemporary needs are addressed by amenities such as movable planters, seating and stormwater planters.

Decorative Metal

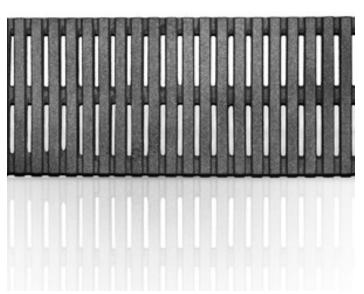


Rails (Occidental Only)

Landscape



Stormwater Planter



Drain Grates



Median

Street Lighting



JCFO Tulip (Railroad Way, Charles St.)



Three Globe Fixture (Occidental Ave., First Ave.)

Bike Rack



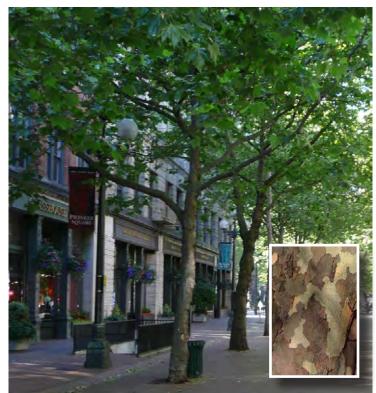
Tree Grate



Tree Grate - 4'x 8'

The existing street trees on Occidental Avenue and First Avenue are predominately London Plane trees which are tolerant of urban environments, have attractive bark, provide dappled shade, and are iconic of the neighborhood. To maintain consistency on the Avenues, extending the use of London Plane trees south to Holgate Street is proposed. To encourage ecological and aesthetic diversity the use of alternative tree species is proposed throughout the District's open spaces and on the east/west running streets, with plant selection being made on a case-by-case basis.

Street Trees



London Plane Tree (Occidental Ave., First Ave.)



Alternative Tree at Railroad Way (Red Maple shown)

Planters



Landscape Forms Lena



Landscape Forms Larkspur

Street furnishings in the District should consider scale and design cues from the stadia and event venues. Static furnishings should convey a sense of mass and permanence and relate thematically to stadium or event seating. Movable furnishing should be light and colorful. All furnishings should be durable and conducive to use during event times.

Seating



Forms And Surfaces Bantam



Landscape Forms Milenio



Landscape Forms Lena



Landscape Forms Socrates



Landscape Forms Flor

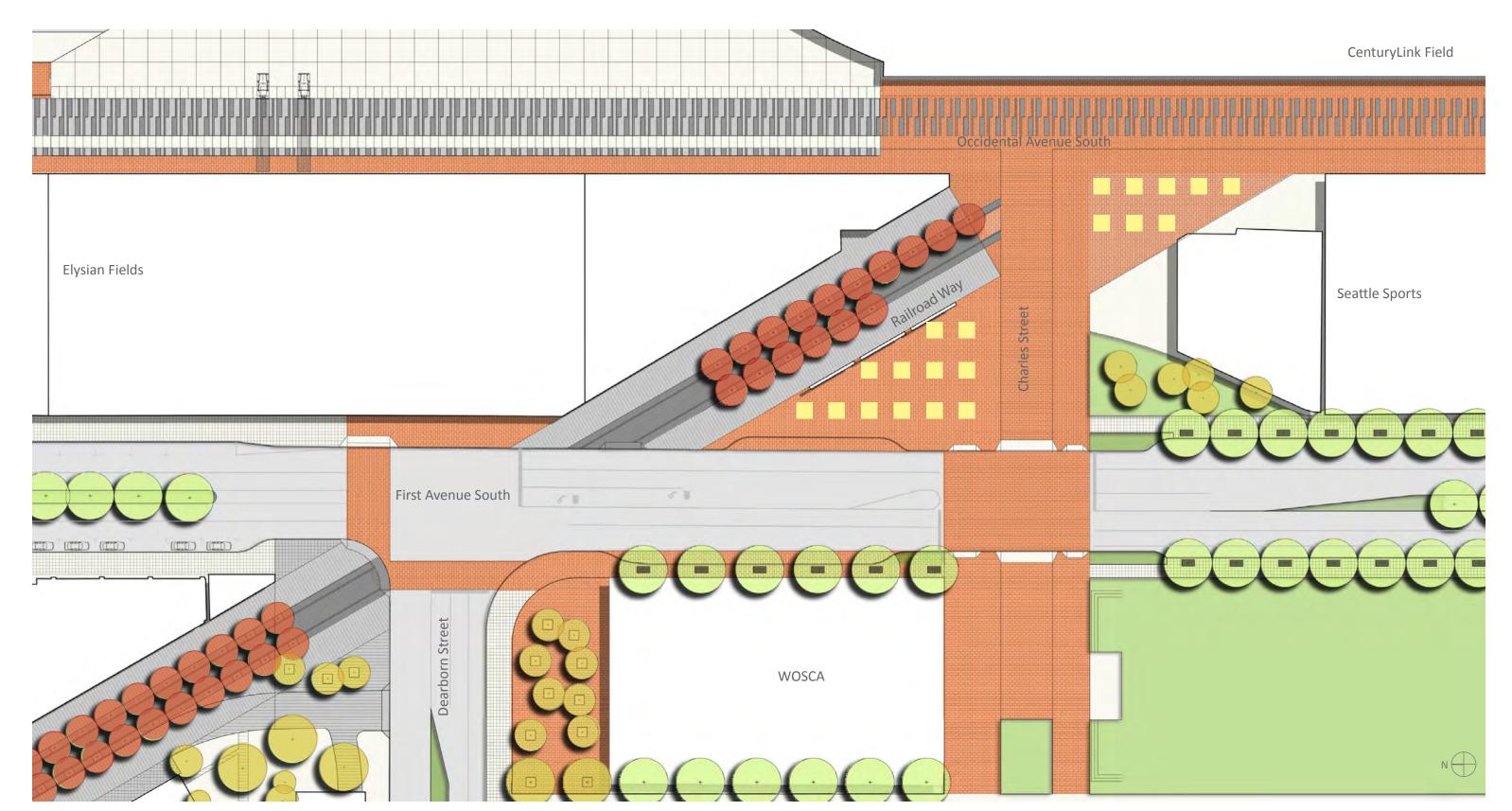


Landscape Forms Trapecio

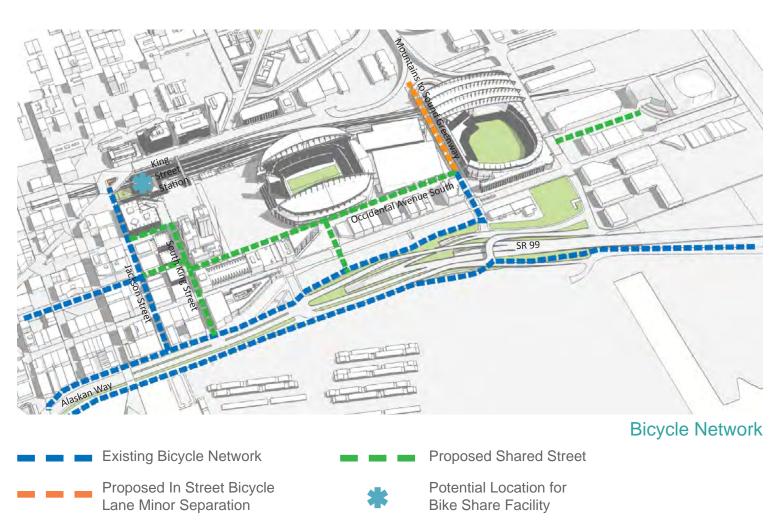


Nexus

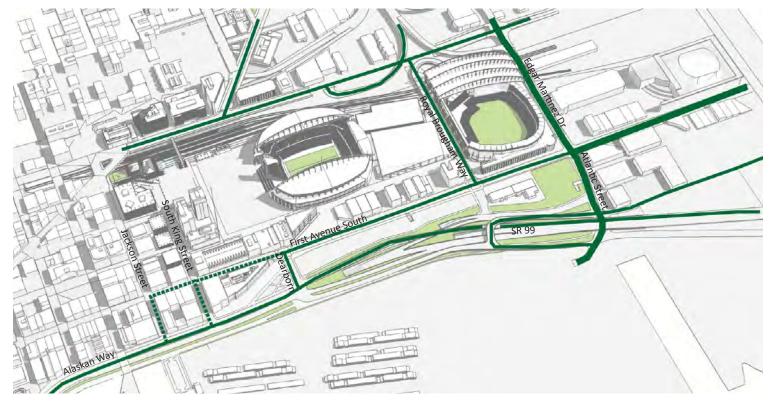
The series of open spaces near the intersection of Railroad Way, Occidental Avenue S. and First Avenue S. are important as they sit where the Central Waterfront and Stadium District overlap to create a public realm nexus. This plan proposes a treatment that would emphasize and create a plaza-like space near the terminus of Railroad Way. The design seeks to create a strong public link between potential open space on the WOSCA site, Railroad Way, and potential improvements on Occidental Ave. S.



Traffic Circulation



The Stadium District is an important hub in the local and regional bicycle network. It makes connections between bicycle corridors and transit, and connects two regional trails: the Elliott Bay Bike Trail and Mountains to Sound Greenway. The streetscape improvements proposed in the plan support the goals of the 2013 Bicycle Master Plan, and integrate into the network proposed therein.



Freight Mobility

The Stadium District's proximity to industrial and Port operations requires that improvements proposed have minimum impact to key freight corridors such as First Avenue and Edgar Martinez Way, as well as a network of secondary freight streets.

- Maintain all travel lanes and turn movements
- Accommodate new link to Alaskan Way at Dearborn

In 2014 and 2015 the City of Seattle will be conducting a citywide Freight Master Plan and an Industrial Access Study. Streetscape improvement in this area should be coordinated with both ongoing studies. Measures to improve freight mobility throughout the Duwamish Manufacturing Industrial center may be identified by the studies, and such findings should be integrated with future improvements to roadways made in the Stadium District.

Wayfinding

Existing wayfinding systems being used elsewhere in Seattle should be extended into the Stadium District. The downtown wayfinding system should be used throughout the district with the exception of Railroad Way, which as the southern terminus of the Central Waterfront project, should use that wayfinding system.



Seattle Central Waterfront Wayfinding Signs





Seattle Downtown Wayfinding Signs



Public Art - Major Pieces

The Stadium District already has a number of public art pieces. This collection should be expanded upon at key locations to mark special places and intersections. Art should be large enough to be seen from a distance so that it may serve as a beacon, anchoring view corridors and relating to the scale of its surroundings. Consider public art that draws inspiration from events and athletics and reflects the unique character of the Stadium District.





Existing Public Art - Large Scale



Existing Public Art - Small Scale



Potential Public Art Location

Nexus

