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UPDATED
RIVER DISTRICT
RIGHT-OF-WAY STANDARDS
Framework Plans
Performance Criteria
Design Standards
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INTRODUCTION

0.0 INTRODUCTION TO 2012 UPDATE

The 2012 amendments to the River District Right-of-Way Standards reflect changes recommended as part of the Pearl District Access and Circulation Plan. The plan identified multi-modal transportation needs and recommended projects to support the vision and development of the Pearl District. It built on past studies to develop the first comprehensive transportation plan for the district, with a key emphasis of providing improved multimodal access for residents, workers, and visitors to the Pearl District. The following amendments have been added to the River District Right-of-Way Standards:

1. Reclassify Pettygrove Street as a Special Function Street, to advance the vision of a “green street” between The Fields and Wallace Parks. There are three options, with wide sidewalks, stormwater treatment, large canopy trees, and varying amounts of on-street parking.

2. Define a cross section for Naito Parkway from 9th Avenue to 15th Avenue. There are two options that provide bicycle facilities and on-street parking to support the eventual redevelopment of Centennial Mills.

3. Based on new Americans with Disabilities Act guidelines, curb ramps must be perpendicular to the curb line. The new curb ramp design in River District Standard R-14 responds by angling the ramps to allow both wheels of a wheelchair to touch the roadway at the same time.
INTRODUCTION

The resulting updated document retains most elements of the original, updates the street network to reflect new streets, both built and planned, and amends selected performance criteria and standards to reflect changes in City policy and community issues.

UPDATE TO 1996 PLAN
STREET NETWORK

[Map showing updated street network with labels and symbols indicating new streets, planned streets, pedestrian connections, and boardwalks.]
0.1 HOW TO USE THIS DOCUMENT

This document establishes a common understanding of the improvements required in the River District’s public rights-of-way. Both private and public street improvements are subject to this document and approval by the City Engineer. The operational aspects of how the street system is managed, such as traffic control, are guided by Title 16 and 17 rather than this document.

The document is divided into three sections: framework plans (section 1.0), performance criteria (section 2.0) and design standards (section 3.0). The framework plans and design standards are intended to be used as the basic ‘standards’ for street design. The framework plans provide a district-wide perspective of the standards to illustrate issues related to the functional intent established by policy (section 1.1) and design continuity. The design standards provide a more detailed, engineering-level perspective that supplement the City’s Standard Construction Specifications and Plans.

The performance criteria are intended to guide the design detail of individual right-of-way elements where either case-by-case design is needed, or flexibility is allowed to encourage streetscape diversity.

The use of these design standards and performance criteria are primarily intended to ensure design continuity of right-of-way improvements over time that reinforce the desired character and function of the district. The standards and performance criteria themselves are not intended to be inflexible, since unique implementation situations that require some tailoring of the standards are common.

All modifications or exceptions to the design standards and performance criteria require approval from the City Engineer. An appeal of the decision by the City Engineer may also be requested- (see Section IV of Creating Public Streets and Pedestrian Connections through the Land Use and Building Permit Process, Portland Office of Transportation).

If an exception being requested affects the “look” of the streetscape, the exception is also subject to design review per City Code for non-standard public right-of-way improvements (33.420.041.C). Approval from the City Engineer is a prerequisite to Design Commission review.
INTRODUCTION

**New Parks**
The provision of new parks provide important amenities for the River District and the uniqueness of their design can make a positive contribution to the district. The new parks can influence the right of way design of the adjacent streets. As design exceptions, these are subject to design review. The design review process provides the opportunity to merge the park design with right-of-way functions and continuity.

**0.2 BACKGROUND**
In the spring of 1991, a group of citizens gathered to consider the future of North Downtown. They shared an inclination to make a collective contribution to its health and redevelopment and spent six months developing a vision for the area. Identified as the River District Vision, it was presented to the Portland City Council in March 1992, for consideration. The Council members found the vision stimulating, substantial and consistent with their view of a desirable future for Portland. In response, the City Council directed the execution of a Development Plan to implement the Vision.

The River District Steering Committee, whose membership includes representatives from private sector property and business owners, from the neighborhood associations and social service agencies and from the City, oversaw the work of consultants and City staff to complete the planning and engineering analysis needed to develop the River District Development Plan. City Council endorsed this Plan in May 1992. The Plan calls for constructing up to 5,500 new housing units, supports commercial uses and open space and transportation infrastructure to support and facilitate this new community of neighborhoods.

The development of the Plan was guided by the following goals:

**Goal #1. To develop a functional and symbolic relationship with the Willamette River.**
The biased orientation of the river to the street grid provides a strong association between the river and the land that cannot be replicated in other Portland neighborhoods. The development of Tanner Creek Basin and Park will provide an image and focus for development.
Goal #2. To promote the development of a diverse inventory of housing.
For the past three decades, Portland has pursued a strategy to develop its downtown as the heart of a livable, sustainable city. Future growth in the region prescribes an even larger effort to attract and accommodate new residents to live and work in the Central City. The River District encourages and supports economic, social and cultural diversity and will provide a range of multi-family housing in terms of style and economics. The opportunity for these new residents to work and play near where they live is fundamental.

Goal #3. To become a community of distinct neighborhoods.
There are three established neighborhood associations whose boundaries are to be found in the River District. In addition, there are areas within these boundaries whose physical character and cultural traditions are emerging. It is the goal of the River District to secure a future which binds all of these existing and potential neighborhoods and provides to them the support they need.

Goal #4. To enhance the best of what exists.
While much of the River District is undeveloped, areas exist which are healthy and secure and others demonstrate an ability to renew themselves. As the River District develops, it should balance its enthusiasm for a new future with a commitment to respect and improve existing structures, activities and characteristics which are strong and indigenous.

Goal #5. To strengthen connections between the River District and its neighbors.
The River District’s distinct physical boundaries are an asset to development. However, those boundaries must be bridged by strong connections to neighboring communities to attract their support and secure complementary relationships.

Goal #6. To enhance the economy and functional efficiency of the City.
It is an objective of the City to provide access between home, work, services and recreational destinations. It is also an objective to provide that access with economy, efficiency and sensitivity to natural and man-made environments. More than any other transportation or land use measure, the
attraction and accommodation of a large resident population, proximate to the region’s greatest concentration of employment, service and recreational opportunities, will effectively improve access while limiting car trips.

In order to facilitate the desired implementation of the Development Plan, the Steering Committee has recommended and the City Council has adopted or approved of the following mechanisms:
- River District Housing Implementation
- Strategy River District Strategic Investment Plan
- City/Developer Master Development Agreements
- River District Design Guidelines
- River District Right-of-Way Standards

0.3 PURPOSE

The Right-of-Way Design Standards have been developed to guide physical solutions that achieve the objectives for the River District. They are also intended to complement the other implementing mechanisms, as well as applicable City Policies and Plans. The design and use of the internal street system will provide the foundation upon which the neighborhood will operate. A sensitivity to and an appreciation for the various needs, sometimes conflicting needs, of a true multi-modal environment are an integral part of this document.

The River District is classified as a pedestrian district. These districts are intended to give priority to pedestrian access. Walking is the mode of choice for all trips. All streets are of equal importance in serving pedestrian trips with the exception of Special Function River District streets that include a loading dock design. River District streets are functionally classified in the Central City Transportation Management Plan (CCTMP) for traffic, truck, transit, pedestrian, bicycle, parking access and loading operations. Typical of mature urban districts, several River District streets fall into multiple classifications and include a variety of design configurations (number of lanes, width of sidewalks, parking, etc.). This document recognizes two broad categories of design configurations:

- Typical River District Streets– 60 foot right-of-way, 36 foot street width, 12 foot sidewalks, circulation, landscape and lighting vary.
• Special Function River District Streets—right-of-way, street widths, sidewalks, circulation, landscape and lighting vary widely.

The original plan criteria and standards were reviewed for the technical and maintenance issues by the Technical Advisory Committee and for overall design character and quality by the River District Steering Committee. On April 18, 1996, the Design Commission endorsed the River District Right-of-Way Design Criteria and Standards. The updated Right-Way-Standards were also reviewed by a Technical Advisory Committee and the Pearl District and Old Town Chinatown neighborhood associations, and Design Commission in the Fall of 2003.

0.4 ACTION ITEMS

The following list of action items was developed during the plan update process to identify issues related to right-of-way design in the River District but are either outside the scope of this plan or require further analysis to resolve. These action items are intended to provide guidance to the neighborhood associations, the Portland Office of Transportation and related agencies for future study.

• Develop City policy for Belgian block paving stones (cobblestones) that encourages their preservation and maintenance within the River District, and sets standards for their use in public right-of-way improvements.
• Study the potential for decoupling 10th and 11th Ave north of Lovejoy St.
• Consider improvements to pedestrian safety on existing overpass bridges along I-405 at Couch, Everett and Glisan Streets.
• Analyze transportation system operations district wide to develop strategies to improve capacity and safety.
• Continue to pursue a supplier for a device that will mitigate light intrusion from single and twin ornamental lights on residential development.
• Evaluate developing Irving St, 9th Ave to Broadway, as an Access Corridor when redevelopment master planning for this area occurs.
FRAMEWORK PLANS

1.0 FRAMEWORK PLANS: POLICY

The Policy Framework section describes the policy foundation upon which the River District Right-Of-Way Standards are built. The original standards were a by-product of the 1992 River District Development Plan, which established six goals to guide development and implementation of the development plan, reviewed in the previous Background section.

Since the adoption of the original right-of-way plan there have been a number of refinements to River District policy related to right-of-way. These include the River District Design Guidelines, adopted in 1996 and amended in 1998, the Pearl District Development Plan, adopted in 2001, and Old Town/Chinatown Development Plan adopted in 1999.

1.0.1 CENTRAL CITY TRANSPORTATION MANAGEMENT PLAN

The River District is a sub-area of the Central City. The Central City Transportation Management Plan (CCTMP) guides all transportation system planning and improvements through policies and street functional classifications. Minor updates were made to the CCTMP and incorporated into the Transportation System Plan (TSP) in 2002. Street classification maps were revised and two new classifications, Emergency Response and Street Design, were added. Street classifications describe the types of motor vehicle, transit, bicycle, pedestrian, truck and emergency vehicle movement that should be emphasized on each street. Street Design elements must be considered on regionally significant streets, including NW 10th and 11th and NW Lovejoy and Northrup.
PORTLAND TRANSPORTATION SYSTEM PLAN – CENTRAL CITY DISTRICT

TRANSIT CLASSIFICATIONS
- Regional Transitway
- Regional Transitway & Major Transit Priority Street
- Major Transit Priority Street
- Transit Access Street
- Community Transit Street
- Local Service Transit Street
- Transit Station
- Passenger Intermodal Facility
- Intercity Passenger Rail

Other Map Features
- Transportation District Boundary
- Open Space (OS)
PORTLAND TRANSPORTATION SYSTEM PLAN - CENTRAL CITY DISTRICT

EMERGENCY RESPONSE CLASSIFICATIONS
- Major Emergency Response Street
- Minor Emergency Response Street

Other Map Features
- Fire Station
- Transportation District Boundary
- Open Space (OS)

River District Right-Of-Way Standards
The River District Right-Of-Way Standards

Portland Transportation System Plan – Central City District

Street Design Classifications
- Urban Throughway
- Urban Highway
- Regional Main Street
- Community Main Street
- Regional Corridor
- Community Corridor
- Urban Road
- Greenscape Street
- Local Street

Other Map Features
- Transportation District Boundary
- Open Space (OS)
1.0.2 RIVER DISTRICT DESIGN GUIDELINES

The River District Design Guidelines, amended in 1998, are used in conjunction with the Central City Fundamental Design Guidelines as the approval criteria when conducting design review within the River District. The guidelines include the following design directives to all projects constructed within the district:

- Link the Willamette River to the community reinforcing the river’s significance.
- Provide for convenient linkages throughout the River District that facilitate movement for pedestrians to and from the river, and to adjacent neighborhoods.
- Enhance the qualities that make each area distinctive within the River District.
- Incorporate water features or water design themes that enhance the quality, character and image of the River District.
- Incorporate works of art or other special design features that increase the public enjoyment of the River District.
- When developing at gateway locations, provide a distinct sense of entry and exit that relate to the special qualities of the area.
- Provide human interest and scale to buildings along sidewalks and walkways.
- Orient building entrances at pedestrian circulation points which conveniently and effectively connect pedestrians with transit.
- Design surface parking and parking garage exteriors to visually integrate with their surroundings.
- Locate and design buildings to provide for future infill development on surface parking areas.
- Reduce the impact on pedestrians from cars entering and existing garages by locating access on alleys and locating active spaces on ground floors that abut streets.
- Increase river and waterway view opportunities to emphasize the River District ambiance.
Specific Sub-area Design Guidelines include:

- Reinforce the identity of the Pearl District neighborhood.
- Recognize the urban warehouse character when altering existing buildings and when designing new ones. Designs should provide a unified, monolithic tripartite composition, with distinct cornice lines. Suburban dwelling forms should be avoided.
- Celebrate and encourage the concentration of art galleries and studios with design features that contribute to the Pearl District’s “arts” ambiance. Consider features that provide connectivity and continuity such as awnings, street banners, special graphics and streetscape coordination, which links shops, galleries, display windows and building entrances. Active ground level retail that opens onto and/or uses the sidewalks can contribute to the attraction of the “arts” concentration.
- Reinforce the identity of the NW 13th Ave Historic District using the historic district design guidelines.
- Establish a new identity for the Tanner Creek area (north of Hoyt Street).
- Reinforce the identity of the North Park Blocks Area.
  - Create a sense of enclosure with buildings that are at least two or more stories in height. There should be no gaps in the block facades that front the Park Blocks.
  - Locate garage entrances and driveways away from Park Block facades, where possible.
- Reinforce the identity of the waterfront area with design solutions that contribute to the character of the waterfront and acknowledge its heritage.
  - Recognize the area’s maritime history by incorporating remnants of industrial infrastructure and/or providing dock facilities for cruise lines.
  - Orient new park areas to the neighborhood.
  - Integrate land use and make new development open and accessible.
- Enhance Naito Parkway to become an important landscaped corridor through the River District that is comfortable to pedestrians.
- Emphasize NW Broadway’s bright lights.
  - Make use of the theatrical, the exuberant, and the flamboyant in architectural forms, details and signs.
  - Incorporate innovative lighting of buildings and signs.
- Enhance West Burnside St by extending and improving its boulevard treatment and its environment for pedestrians.
• Buffer and separate the sidewalk from vehicular traffic with street trees, plantings and protective bollards.
• Enhance the pedestrian promenade through the use of arcades, awnings, and wider sidewalks.
• Punctuate ground floors with building entries and display windows.
• Locate driveways and garage entrances on side streets.

1.0.3 PEARL DISTRICT DEVELOPMENT PLAN

The Pearl District Development Plan has two elements: a vision statement and supporting action plan. The action plan includes specific policies, guidelines, strategies, and projects that will implement the vision. Specific to the River District Standards is Objective 3 of the Transportation/Parking Action Plan, and five action items which provide the basic scope for the updating of the River District Right-of-Way Design Standards.

Objective 3: Create pedestrian friendly streets that provide for an active, interesting and safe environment. Streetscapes are more than just conduits for moving people, they are places where people interact and enjoy the neighborhood. Improvements are needed to make these streets active and pedestrian friendly.

1. Amend the River District Right-of-Way Standards:
The City should update the River District right-of-way standards to update the street/lighting plan; incorporate the Boardwalk as part of the Pearl District Blocks; and specify richer and more diverse streetscapes through a wider variety of sidewalk furniture, bike racks, art, kiosks, street paving materials, cobblestones, etc. Cobblestones/bricks and plantings should be allowed around street trees.

2. Replace non-conforming streetlights with “Portland Traditional” style.

3. Widen sidewalks or provide curb extensions along major pedestrian corridors.

4. Provide additional amenities around streetcar stops.

5. Maximize on-street parking.
FRAMEmORK PLANS

1.0.4 OLD TOWN/CHINATOWN DEVELOPMENT PLAN

The Old Town/Chinatown Development Plan provides a strategy for implementation of the Old Town/Chinatown Vision Plan adopted by City Council in 1997. The goal of the Development Plan is to develop Old Town/Chinatown into a vibrant, 24-hour, mixed-use, urban neighborhood, rooted in a rich historical past. Four of the Plan’s immediate or short-term actions include development of new street plan for Burnside St, rededication of 2nd Ave and Flanders St near the Classical Chinese Garden and Port of Portland development, improvements to 3rd and 4th Aves, and extension of 6th Ave adjacent to Union Station. All four have moved forward since then. As a result, the River District Right-of-Way Standards need to be updated to reflect this.

1.0.5 PEARL DISTRICT ACCESS AND CIRCULATION PLAN

Adopted in 2012, the Pearl District Access and Circulation Plan identified multi-modal transportation needs and recommended projects to support the vision and development of the Pearl District. The plan built on past studies to develop the first comprehensive transportation plan for the district, with a key emphasis of providing improved multimodal access for residents, workers, and visitors to the Pearl District. As a result of the Plan, the following amendments were added to the River District Right-of-Way Standards:

1. Reclassify Pettygrove Street as a Special Function Street, to advance the vision of a “green street” between The Fields and Wallace Parks.

2. Define a cross section for Naito Parkway from 9th Avenue to 15th Avenue.

3. Update the curb ramp design in River District Standard R-14 to respond to new Americans with Disabilities Act guidelines.
1.1 FRAMEWORK PLANS: RIGHT-OF-WAY DESIGN

The Right-of-Way Design Framework Plans take the policy directives regarding right-of-way form and function contained in the previous section and translates them into the required basic design elements of each River District street, such as widths, number of travel lanes, on-street parking, street trees and street lighting. The Design Framework Plans are divided up into two broad design categories:

• Typical River District Streets
  36 foot curb-to-curb widths within 60 foot rights-of-way
• Special Function River District Streets
  Right-of-way and curb-to-curb widths vary

The Design Framework Plans are based on the following propositions:

• That the character of streets may vary by subdistrict.
• That the character of regional streets may maintain consistency with precedents outside the District.
• That the character and use of some Special Function Streets and new typical streets may be without precedent.
• That street trees will vary from street to street and between subdistricts.
• That street lighting will vary according to street function, pedestrian activity and existing patterns.
1.2 STREET WIDTHS: RIGHT-OF-WAY

The predominant existing right-of-way pattern is 60 feet throughout the River District. The exception to this norm are several of the Special Function streets where either wider right-of-way exist or will be provided or where new right-of-way will be established as streets are extended.
1.3 TYPICAL RIVER DISTRICT STREETS

The predominant existing street width for two lane streets with on-street parking in the River District is 36 feet curb-to-curb. An optional width for new two lane street extensions is 34 feet which allows wider sidewalks in more pedestrian intensive areas.

For other streets please refer to Special Function River Districts Streets on page 25.
TYPICAL STREETS

<table>
<thead>
<tr>
<th>1.3.1 Typical Existing River District Streets</th>
<th>1.3.2 Typical New or Redeveloped River District Streets</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Right-of-Way</strong></td>
<td>60 ft.</td>
</tr>
<tr>
<td><strong>Roadway</strong></td>
<td>36 ft.</td>
</tr>
<tr>
<td><strong>Sidewalks</strong></td>
<td>12 ft. both sides</td>
</tr>
<tr>
<td><strong>Curbline</strong></td>
<td>May be extended at corners</td>
</tr>
<tr>
<td><strong>Circulation</strong></td>
<td>One or two-way Two lanes</td>
</tr>
<tr>
<td><strong>Parking</strong></td>
<td>Allowed both sides</td>
</tr>
<tr>
<td><strong>Circulation</strong></td>
<td>One or two-way Two lanes</td>
</tr>
<tr>
<td><strong>Parking</strong></td>
<td>Allowed both sides</td>
</tr>
</tbody>
</table>

Typical Existing River District Street

Typical New or Redeveloped River District Street
1.4 SPECIAL FUNCTION RIVER DISTRICT STREETS

There are a variety of street widths for Special Function Streets in the River District. Naito, Broadway, 1st, 2nd and 3rd carry through-traffic from beyond the area and thus are wider than typical River District streets. Others, such as the North Transit Mall, the Park Block streets and the access corridors are specialized in their use and design configuration. Pettygrove is envisioned as a “green street” with wide sidewalks and less on-street parking, eventually leading from the Fields Park to Wallace Park in Northwest. See Appendix for details.
### SPECIAL FUNCTION STREET STANDARDS

<table>
<thead>
<tr>
<th></th>
<th>14.1 15th Avenue</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Right-of-Way</strong></td>
<td>60 ft.</td>
</tr>
<tr>
<td><strong>Roadway</strong></td>
<td>36 ft.</td>
</tr>
<tr>
<td><strong>Sidewalks</strong></td>
<td>12 ft. Loading docks/raised platforms are also allowed, must provide 6 ft. clear pedestrian through zone and meet ADA guidelines.</td>
</tr>
<tr>
<td><strong>Curbline</strong></td>
<td>May be extended at corners</td>
</tr>
<tr>
<td><strong>Circulation</strong></td>
<td>Two-way Two lanes</td>
</tr>
<tr>
<td><strong>Parking</strong></td>
<td>Allowed both sides</td>
</tr>
<tr>
<td><strong>Trees</strong></td>
<td>Infill/Established Street Trees If a loading dock is approved-trees are not required along the loading dock.</td>
</tr>
</tbody>
</table>
### 14.2
#### 10th & 11th Avenue

<table>
<thead>
<tr>
<th><strong>Right-of-Way</strong></th>
<th>60 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Roadway</strong></td>
<td>36 ft. 10th Ave 29 ft. adjacent to Boardwalk</td>
</tr>
<tr>
<td><strong>Sidewalks</strong></td>
<td>12 ft. both sides 10th Ave west side Boardwalk 19 ft. - Johnson St north (see Pedestrian Performance Criteria 2.5.1.5)*</td>
</tr>
<tr>
<td><strong>Curbline</strong></td>
<td>May be extended at corners</td>
</tr>
<tr>
<td><strong>Circulation</strong></td>
<td>One or two-way Two lanes</td>
</tr>
<tr>
<td><strong>Parking</strong></td>
<td>Allowed both sides except 10th Ave next to Boardwalk</td>
</tr>
</tbody>
</table>

*At parks, design exceptions subject to design review (see page 4).
### 1.4.3 North Park Block Streets

<table>
<thead>
<tr>
<th>Feature</th>
<th>Right-of-Way</th>
<th>Roadway</th>
<th>Sidewalks</th>
<th>Circulation</th>
<th>Parking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right-of-Way</td>
<td>60 ft.</td>
<td>35 ft.</td>
<td>Continue existing pattern (no sidewalk on park side frontage)</td>
<td>Straight</td>
<td>Allowed both sides</td>
</tr>
<tr>
<td>Roadway</td>
<td></td>
<td></td>
<td>60 ft.</td>
<td>One-way</td>
<td>Not allowed</td>
</tr>
<tr>
<td>Sidewalks</td>
<td></td>
<td></td>
<td>24 ft.</td>
<td>One lane mixed traffic</td>
<td></td>
</tr>
<tr>
<td>Circulation</td>
<td></td>
<td></td>
<td>20 ft. transit loading side 16 ft. opposit side</td>
<td>One way</td>
<td></td>
</tr>
<tr>
<td>Parking</td>
<td></td>
<td></td>
<td></td>
<td>Two lanes</td>
<td></td>
</tr>
</tbody>
</table>

### 1.4.4 North Transit Mall

<table>
<thead>
<tr>
<th>Feature</th>
<th>Right-of-Way</th>
<th>Roadway</th>
<th>Sidewalks</th>
<th>Circulation</th>
<th>Parking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right-of-Way</td>
<td>60 ft.</td>
<td>24 ft.</td>
<td>20 ft. transit loading side 16 ft. opposit side</td>
<td>Straight</td>
<td>Not allowed</td>
</tr>
<tr>
<td>Roadway</td>
<td></td>
<td></td>
<td></td>
<td>One-way</td>
<td></td>
</tr>
<tr>
<td>Sidewalks</td>
<td></td>
<td></td>
<td></td>
<td>One lane</td>
<td></td>
</tr>
<tr>
<td>Circulation</td>
<td></td>
<td></td>
<td></td>
<td>mixed traffic</td>
<td></td>
</tr>
<tr>
<td>Parking</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

![Diagram of North Park Block Streets](image1)

![Diagram of North Transit Mall](image2)
|                  | **14.5**  
|                 | Old Town Avenues  
| Roadways        | 1st & 2nd Avenue  
| **14.6** Old Town Avenues | 3rd & 4th Avenues**  
| Right-of-Way    | 70 ft.  
| Roadway         | 46 ft.  
| Sidewalks       | 12 ft. both sides*  
|    Curbline     | May be extended at corners  
| Circulation     | One-way  
|                  | Two or three lanes  
| Parking         | Allowed both sides*  
| Parking         | Allowed both sides  

* 1st Avenue with Light rail transit is the exception to these standards.  
** For more detail reference the 3rd and 4th Avenue Streetscape Plan, Portland Office of Transportation.
### 14.7
**Lovejoy/Northrup (9th-15th Avenues)**

| **Right-of-Way** | **60 ft.**
|                 | **68 ft., Lovejoy 9th-12th Ave, 13th-14th Ave**
| **Roadway**     | **35 ft.** (within 60 ft. r.o.w.)
|                 | **42 ft.** (within 68 ft. r.o.w.)
| **Sidewalks**   | **13 ft. streetcar side**
|                 | **12 ft. opposite side**
| **Curbline**    | May be extended at corners and streetcar stops
| **Circulation** | Two-way
|                 | Two lanes*
| **Parking**     | Allowed both sides (except Lovejoy 12th-13th, north side only)

* One through lane, one mixed traffic/streetcar lane.

---

![Diagram of Lovejoy/Northrup-9th to 15th (except Lovejoy 12th-13th)](image-url)
<table>
<thead>
<tr>
<th></th>
<th>14.8 13th Avenue</th>
<th>14.9 Couch Street</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Right-of-Way</strong></td>
<td>60 ft.</td>
<td>60 ft.</td>
</tr>
<tr>
<td><strong>Roadway</strong></td>
<td>22 ft. travel lane</td>
<td>36 ft.</td>
</tr>
<tr>
<td><strong>Sidewalks</strong></td>
<td>None, Zone for loading docks, pedestrian stairs, ways and ramps are allowed in lieu of sidewalk*</td>
<td>12 ft. both sides</td>
</tr>
<tr>
<td><strong>Curbline</strong></td>
<td>None</td>
<td>May be extended at corners</td>
</tr>
<tr>
<td><strong>Circulation</strong></td>
<td>Two-way</td>
<td>Two-way, two lanes</td>
</tr>
<tr>
<td><strong>Parking</strong></td>
<td>Parallel to docks; 90° head-in allowed in lieu of docks</td>
<td>Allowed both sides</td>
</tr>
</tbody>
</table>

* Maximum projection 11 ft. into the right-of-way.

** Upon implementation of the Burnside Transportation Plan.
### FRAMEWORK PLANS

<table>
<thead>
<tr>
<th></th>
<th><strong>1.4.10</strong> Broadway</th>
<th><strong>1.4.11</strong> Bridge Ramps</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Lovejoy: 60 ft.</td>
</tr>
<tr>
<td><strong>Roadway</strong></td>
<td>56 ft.</td>
<td>Broadway: 45 ft.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lovejoy: 40 ft.</td>
</tr>
<tr>
<td><strong>Sidewalks</strong></td>
<td>12 ft. both sides</td>
<td>Broadway: 8 ft. both sides</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lovejoy: 10 ft. both sides</td>
</tr>
<tr>
<td><strong>Curbside</strong></td>
<td>May be extended at corners</td>
<td>Varies</td>
</tr>
<tr>
<td><strong>Circulation</strong></td>
<td>Two-way, three lanes</td>
<td>Broadway: Two-way, four lanes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lovejoy: Two-way, three lanes</td>
</tr>
<tr>
<td><strong>Parking</strong></td>
<td>Allowed both sides</td>
<td>Not allowed</td>
</tr>
</tbody>
</table>

**Diagram:**

- Broadway: two-way, three lanes
- Parking: allowed both sides
- Sidewalk: 12 ft.
- Right-of-Way: 80 ft.
- Roadway: 56 ft.
- Circulation: two-way, three lanes
- Parking: allowed both sides

**Legend:**

- **Broadway**
- **Bridge Ramps**
1.4.14 ACCESS CORRIDOR

Private pedestrian/bicycle/vehicle tracts with landscaping and street lighting on public easements, 60 foot wide, which approximates the original 200 ft. block pattern. See Performance Criteria 2.5.1.4.
1.5 STREET TREES

The selection of tree species and the layout of trees on different streets is related to both the operation and desired character of a particular street. Examples range from significant traffic streets with narrow upright street trees to minor traffic streets with broad headed street trees. Species selection and tree spacing has been coordinated with the City Forestry Division.
1.6 STREET LIGHTING

The street lighting plan reflects existing and proposed fixtures for various streets in the River District. The indication of fixture type and spacing for a particular street is based on the continuation or extension of existing design character within the district and continuity with the urban design pattern beyond the district. These recommendations have been coordinated with the Street Lighting Division of the Bureau of Transportation Engineering and Development.

- Streets with Single Ornamental Lights
- Streets with Twin Ornamental Lights
- Naito Parkway with Twin Ornamental Lights and Cobra Lights
- 3rd/4th Avenue Streetscape Plan Lighting
- Pettygrove Special Function Street (see Appendix)
- Streets with Cobra Lights
- ZED Lights with Cobras
- Boardwalk
- Pedestrian Connection
PERFORMANCE CRITERIA

2.0 PERFORMANCE CRITERIA

The Right-of-Way (R.O.W.) Performance Criteria describe the size and application of key R.O.W. components. Each criterion is illustrated to clarify its intent, but the illustrations are not to be used as standards. The Criteria are to guide and not to prescribe design solutions.

2.1 VEHICULAR CRITERIA

2.1.1 Through Lane: a linear, continuous zone for vehicles in the street; can be exclusive or combined with left or right turn movements.

Size: 10-12 feet for typical through lanes
Application: Throughout the River District

2.1.2 Left Turn Lane: a linear zone for vehicles near the center of the street; may not be continuous to the next block; is typically an exclusive lane for left turning vehicles on a two-way street.

Size: 10-12 feet for general left turn lanes
Application: Throughout the River District

2.1.3 Mixed Traffic - and Streetcar Lane: a linear, continuous zone for both motorized vehicles and a streetcar trackway in the street; typically located in the right or left hand lanes; turning movements for motor vehicles may be restricted.

Size: 12 feet
Application: On Special Function Streets (see Framework Plan 1.3)
2.1.4 Curbside Parking: a linear zone for motorized vehicles at the edge of the street; can be exclusive at all hours or used as a moving traffic lane at AM and PM peak hours.

Size: 7 feet on lower volume streets or higher volume streets with a bike lane separating parking and the traffic lane; 8 feet on higher volume roadways or streets with loading zones.

Stall length - see Code of the City of Portland Chapter 33 Zoning Standards.

Federal ADA requirements for new parallel, on-street van parking spaces will be adopted by the City of Portland. These standards may affect design section, street lighting, street trees and pedestrian criteria contained in these guidelines.

Application: Throughout the River District

2.1.5 Corner Radii: the curved section of street edge at intersections; allows adequate space for vehicular turning movements around sidewalk corners.

Size: Minimize radii where possible. 15 feet radius at typical corners; curb radii on designated bus and truck routes to be determined on an individual basis, larger radius may required; on-street parking may affect final radius requirement.

Application: Throughout the River District
**2.1.6 Loading Zone**: a linear zone for delivery unloading at the street edge; similar to curbside parking; should be located at least 30 feet away from intersections.

Size: 8 feet wide at typical loading zones (7 feet cannot be used adjacent to 10 foot traffic lanes).

Length varies—see Code of the City of Portland Chapter 33 Zoning Standards.

Applications: Throughout the River District; loading zones are typically discouraged or minimized on streets with frequent transit service—where unavoidable, loading is provided on the side of the street opposite bus or streetcar stops; see the Transportation System Plan.

**2.1.7 Loading Dock/Parking Zone**: a zone where existing loading docks take up the street edges normally reserved for sidewalks; where the dock remains but is not in use, parallel parking can be provided adjacent to it; where the dock has been removed, 90 degree head-in parking can be provided; this street configuration assumes vehicles and pedestrians mix in the space between docks or between docks and buildings.

Size: 11 feet maximum width at a typical dock length varies—see Code of the City of Portland Chapter 33 Zoning Standards

Loading Bays—10 feet wide by 35 feet long.

Application: On a Special Function Streets with raised loading docks/raised platforms.
**PERFORMANCE CRITERIA**

2.1.8 **Parking Access**: a driveway for vehicular access to surface or structured, off-street parking; preferably located near mid-block, away from intersections; driveway design should emphasize that vehicles are crossing a pedestrian zone; garage ramps perpendicular to the street direction are encouraged; ramps parallel to the street direction are discouraged.

Size: Width conforms to the adjacent sidewalk
Length varies—see Code of the City of Portland Chapter 33 Zoning Standards.

Application: Encouraged on certain streets in the CCTMP section of the Transportation System Plan; typically discouraged on streets with significant transit service.

2.2 **BICYCLE CRITERIA**

Bicycle facilities shall conform to the Portland Bicycle Master Plan.

2.2.1 **Shared Roadway per ODOT Standards**: allows bike use of typical vehicular through lanes.

Size: Normal travel lane width

Application: On streets not designated as City Bikeways in the Transportation System Plan, or on streets with average daily traffic volumes of less than 3,000 and designated as City Bikeways.

2.2.2 **Striped Bike Lane**: a striped portion of the street adjacent to the curb that is used for exclusive bicycle circulation; these should be planned for in new or redeveloped streets.

Size: 5 feet (4.5 feet minimum) adjacent to the curb or parking lane.

Application: On streets with average daily traffic volumes greater than or equal to 3,000 and designated as City Bikeways in the Transportation System Plan.
2.2.3 Wide Outside Lane: accommodates both vehicles and bicycles where there is inadequate space to provide striped bike lanes.

Size: Minimum 14 feet

Application: On streets with average daily traffic volumes greater than or equal to 3,000 and designated City Bikeways in the Transportation System Plan, but where circulation requirements and right-of-way constraints preclude use of a striped bike lane. May not be used next to on-street parking.

2.2.4 Bicycle Parking: install bicycle parking as needed in conformance with guidelines in the Portland Pedestrian Design Guide and City Code. Bicycle parking should not conflict with transit waiting and loading on transit streets or pedestrian circulation. Staple racks are preferred.

Application: Throughout the River District

2.3 TRANSIT CRITERIA

2.3.1 Mixed Traffic and Bus Lane (see 2.1.1 Through Lane): buses will circulate and pick up passengers at stops in the River District from right hand through lanes.

Size: 11-12 feet for typical through lanes with buses.

Application: On streets designated for Transit Access in the CCTMP section of the Transportation System Plan.

2.3.2 Bus Turning Radii (see 2.1.5 Corner Radii): allow wider radii at corners with major bus turning movements; minimum radius requirements to be determined by the Bureau of Transportation Engineering and Development.
2.3.3 **Transit Stop:** provide a widened sidewalk zone (projecting into the curbside parking zone) at transit stops to the near side of intersections; vehicle dwells and loads passengers in the right hand through lane then proceeds through the green light; shelter type and placement is subject to TriMet Standards and River District Design Guidelines.

**Size:** Edge of widened sidewalk aligns with the edge of the right hand through lane, providing a 7-8 foot zone; length is 40 feet minimum tangent length not including transition back to normal curb line.

**Application:** On streets designated for Transit Access in the Transportation System Plan.

2.3.4 **Streetcar Lane (see 2.1.3 Mixed Traffic and Streetcar Lane):** the streetcar trackway is treated as a conventional through lane in the River District; pavement will be a concrete trackway slab.

2.3.5 **Streetcar Turning Radii:** special requirements at intersections for streetcar turning movements; right turns from the right hand lane may require a trackway weave into the center lane of the next block in order to make the turn in a 60 foot right-of-way; special traffic operations—such as no free right turns, signal pre-emption, etc., may be required at these intersections.

**Size:** To be determined based on vehicle selection; transition weave of one block may be required where the streetcar turns from one street to another.

**Application:** On streets designated for Transit Access in the CCTMP section of the Transportation System Plan and selected for Streetcar route by the Office of Transportation.
2.3.6 **Streetcar Stop**: provide a widened sidewalk zone at streetcar stops to the near side of intersections; streetcar dwells and loads passengers in the right hand through lane then proceeds through the green light; shelter type and placement is subject to TriMet Standards and River District Design Guidelines if stops serve both buses and streetcar.

**Size:** Edge of widened sidewalk aligns with the edge of the right hand through lane providing an 8-9.5 foot zone; length is 40 feet minimum not including transition back to normal curb line (may be longer, depending on vehicle selection).

**Application:** On streets with streetcar service.

2.3.7 **Special Streetcar Requirements**: to be determined.

### 2.4 UTILITIES CRITERIA

To be completed at preliminary engineering of individual street improvement projects.

2.4.1 **Major R.O.W. Corridors for Utilities**: to be determined.

2.4.2 **“Utility-free” Zones**: locate major longitudinal utility lines below grade to the extent possible and outside of trackway lanes; crossing lines under trackways are acceptable.

2.4.3 **Special Requirements**: pump stations, below grade vaults, transformer and signal cabinets, etc.: subject to specific utility company, agency or bureau criteria in addition to River District Guidelines.

2.4.4 **Utility Work**: Streets shall be restored with the same materials existing prior to utility work.
2.5 PEDESTRIAN CRITERIA

2.5.1 SIDEWALK WIDTHS AND DESIGN TREATMENTS

2.5.1.1 Twelve Foot: the standard existing sidewalk width on streets in the River District through pedestrian and curb zones are paved - pavement material and texture is pedestrian oriented; for redevelopment projects on existing streets, these standards are required for any sidewalk replacement.

Size: 12 feet
Application: Existing streets throughout the River District

Twelve foot sidewalk with grated tree well.

1’6” building frontage zone
6’ through pedestrian zone
4’ furnishing zone
6” curb zone
2.5.1.2 Thirteen Foot: a recommended sidewalk width on typical new or redeveloped streets in the River District; an extra foot in width allows a more usable building frontage zone (BFZ); through pedestrian and curb zones are paved-pavement material and texture is pedestrian oriented, building frontage and furnishing zones can be paved or pervious.

Size: 13 feet
Application: Typical new or redeveloped streets
**PERFORMANCE CRITERIA**

2.5.1.3 **Fifteen Foot**: a recommended sidewalk width on special function streets (see Framework Plan 1.3) and an existing sidewalk width on Old Town Avenues with 70 foot right-of-way; an extra 2.5 feet in width allows a more usable building frontage zone (BFZ)-particularly for merchant use; through pedestrian and curb zones are paved-pavement material and texture is pedestrian oriented; building frontage and furnishing zones can be paved or pervious.

- **Size**: 15 feet
- **Application**: On Special Function River District Streets

With shared pedestrian vehicular access on one or both sides of a public street: two aligned crosswalks are required.*

2.5.1.4 **Access Corridors**: Private pedestrian/bicycle/vehicle tracts with landscaping and street lighting on public easements, 60 ft. wide which approximates the original 200 foot block pattern. Per the conditions of the Hoyt St Yards Master Plan and development agreements with City of Portland, Land Use Action No. LUR 93-00279 SU. Can accommodate pedestrian and bicycles only or shared pedestrian-vehicular circulations; driveway and crosswalk configuration at access corridors varies according to how corridor is used.

- **Size**: 60 feet
- **Application**: On private pedestrian/vehicle tracts

With pedestrian only access on both sides of a public street: one aligned crosswalk is required.*

*Design is subject to approval by the City Engineer.
2.5.1.5 Boardwalk: begin after any grade transitions at corners/curb extensions have been completed for ramps and landings. Corners incorporating ramps, landings and grade changes to be constructed in concrete. Cross slope between right-of-way and curb shall be two percent. Surface shall be IPE wood decking or approved equal. IPE wood decking cannot be used for grades steeper than 4%. The decking shall have a support system and drainage system designed for individual site application by a structural engineer and approved by the City Engineer. Design live load shall be no less than 250 psf.

Size: 19 feet on blocks with development, 26 feet on blocks with parks.

Application: In place of sidewalk along west side of 10th Ave from Johnson St north to river.

2.5.1.6 North Transit Mall: existing special sidewalks at the Portland Transit Mall in the River District; any new developments along these streets must replace Mall materials and finishes in kind; see Framework Plan 1.4.4.

2.5.2 SIDEWALK USE ZONES

2.5.2.1 Building Frontage Zone (BFZ): The area of sidewalk directly abutting buildings is defined as the building frontage zone (BFZ). This space is outside of the through pedestrian zone and typically accommodates pedestrian furniture such as cafe tables and minor building projections such as meters and down spouts.

Size: 1.5-4 feet

Application: Throughout the River District
PERFORMANCE CRITERIA

2.5.2.2 Through Pedestrian Zone (TPZ): space for through-pedestrian traffic; unencumbered by any obstructions.
Size: 5 to 7 feet (typical 6 feet)
Application: Throughout the River District

2.5.2.3 Furnishings Zone (FZ): space for elements supporting pedestrian and vehicular use of the right-of-way including signage, lighting, furniture, landscape and transit facilities; if intended to be pervious it must be filled with soft landscape such as grass or groundcover or it can be paved with sand-set, pervious pavers; in limited areas with intense use, it can be filled with rigid pavement; all permanent vertical objects should be set back 18 inches minimum from the face of curb.
Size: 3 to 4.5 feet
Application: Throughout the River District

2.5.2.4 Curb Zone (CZ): on the typical River District street with sidewalk widths at 12 or 13 feet, this zone is simply the width of the curb; on some special function streets such as the North Transit Mall, the curb zone includes a clear space for minor circulation by transit riders.
Size: 0.5 to 1 feet
Application: Throughout the River District

2.5.3 ADA REQUIREMENTS
2.5.3.1 Accessible Routes, Curb Ramps, Required Warning Strips, etc.: must meet the Americans with Disabilities Act Regulations and City of Portland Office of Transportation standards for disabled access.
Application: Throughout the River District

2.5.4 CURB EXTENSIONS
Curb extensions may be allowed on most River District streets to improve pedestrian crossing safety. Design of curb extensions should minimize tangent length.
Application: See Framework Plans 1.3-1.4
2.6 STREET LIGHTING CRITERIA

2.6.1 Fixture Types:

2.6.1.1 Twin Ornamental: historic Portland fixture.

Configurations:
- 6 per block - symmetrical, 3 on each side (at corners and mid-block)
- 3 per block - staggered, 2 on one side (at corners) one on other side (at mid-block)

Separation Criteria:
- 12 feet from upright street trees; 20 feet from broadheaded trees
- 2.5 feet from furnishings - such as benches or litter receptacles
- 4 feet from right-of-way line at intersections, 5 feet from driveways

Application: See Framework Plan 1.6

2.6.1.2 Single Ornamental: historic Portland fixture.

Configurations:
- 4 per block, staggered
- 6 per block, aligned or special pattern

Separation Criteria:
- 12 feet from upright street trees; 20 feet from broadheaded trees
- 2.5 feet from furnishings - such as benches or litter receptacles
- 4 feet from right-of-way line at intersections, 5 feet from driveways

Application: See Framework Plan 1.6
2.6.1.3 **Cobra**: a traditional street light used on commercial and industrial streets throughout Portland.

**Configurations:**
- 3 per block, staggered, 2 on one side at corners, one on opposite side at mid-block

**Separation Criteria:**
- 0-35 feet from right-of-way line at intersections
- 5 feet from driveways

**Application:** Standard for fixture types on Framework Plan 1.6

2.6.2 **FIXTURE PAINT COLOR**

2.6.2.1 **Old Town/Chinatown fixtures:** Black

2.6.2.2 **Remainder of River District fixtures:** Portland Green

2.6.3 **3RD AND 4TH AVENUE STREETSCAPE PLAN LIGHTING**

Fixture type to be determined by final design of 3rd and 4th Avenue Streetscape Plan.

**Application:** See Framework Plan 1.6, 3rd and 4th Avenue Streetscape Plan streets

2.7 **STREET FURNITURE CRITERIA**

2.7.1 **Typical Street Furnishings:** bench, planter, trash receptacle, drinking fountain, newsrack, kiosk, signage, transit shelter and bike racks.

2.7.2 **Continuity or Diversity:** typical River District streets should either be consistent with established precedents for the entire corridor outside of the district or consistent with established patterns in the immediate area. For new streets where there is no established precedent for street furniture, selections should be consistent with the River District Design Guidelines, the Central City Fundamental Guidelines and Bureau of Maintenance criteria.
2.8 STREET TREE CRITERIA

2.8.1 Uniform Plantings/Upright Street Trees:
plantings which provide continuity of form, texture, and color where space is constrained.

Tree types:

- Acer platanoides ‘Olmsted’
- Olmsted Norway Maple
- Acer rubrum ‘Armstrong II’
- Armstrong II Red Maple
- Acer rubrum ‘Bowhall’
- Bowhall Red Maple

Size: 4 inch caliper, minimum
Spacing: 21 feet o.c.
Planting Condition: 4 x 4 feet tree well minimum (4 x 9 feet preferred) with root barrier
Application: See Framework Plan 1.5

2.8.2 Uniform Plantings/Broad-headed Street Trees:
plantings of substantial scale which provide a physical and visual link between neighborhoods and parks.

Tree types:

- Acer rubrum ‘Red Sunset’
- Red Sunset Red Maple
- Fraxinus pennsylvanica ‘Marshall’
- Marshall Ash
- Quercus rubra
- Red Oak
- Ulmus ‘Homestead’
- Homestead Elm
- Ulmus ‘Pioneer’
- Pioneer Elm
- Zelkova serrata ‘Village Green’
- Village Green Zelkova

Size: 4 inch caliper
Spacing: 30 feet o.c.
Planting Condition: 4 x 4 feet tree well minimum (4 x 9 feet or greater preferred) with root barrier
Application: See Framework Plan 1.5
2.8.3 Infill/Established Street Trees: plantings which infill and reinforce existing street tree plantings.

- **Tree types:**
  - Crataegus x lavallei
  - Primus yedoensis ‘Akebono’
- **Size:**
  - 3 inch caliper, minimum
- **Spacing:**
  - 20 feet o.c., minimum
- **Planting Condition:**
  - 4 x 4 feet tree well minimum with root barrier; head trimmed for pedestrian clearance
- **Application:**
  - See Framework Plan 1.5

2.8.4 Mixed Layer Street Trees: plantings which feature a single tree variety of moderate spread at corners and mid-block with other tree varieties of columnar habit in between; continuity along the street corridor will be provided by the major tree species while visual diversity and rhythm will be provided by varying minor tree species on a street-by-street basis.

- **Major Tree types:**
  - Fraxinus oxycarpa ‘Raywood’
  - Tilia cordata ‘Greenspire’
- **Minor Tree Types:**
  - Carpinus betulus ‘Fastigiata’
  - Prunus sargentii columnaris
  - Quercus robur ‘Fastigiata’
- **Size:**
  - 4 inch caliper, minimum, major trees 3 inch caliper, minimum, minor trees
- **Spacing:**
  - major trees- 25-30 feet o.c.
  - minor trees- 15-20 feet o.c.
Planting
Condition: 4 x 4 feet tree well minimum (4 x 9 feet or greater preferred) with root barrier; a 6 x 6 feet tree well is preferred for large trees on widened sidewalks at corners and mid-block
Application: See Framework Plan 1.5

2.8.5 Streets Without Street Trees: certain streets within the district where street trees are not appropriate.
Application: Streets with freight rail service, substantial loading docks and driveways, ramped approaches to bridges.

2.8.6 North Park Block Streets: a zone where plantings are based upon existing historic pattern; follow current Bureau of Parks and Recreation plans and guidelines for landscape design in the North Park Blocks. Along street frontage opposite park, use infill/established trees standard.
Application: Streets adjacent to existing North Park Blocks and their proposed extension.

2.8.7 15th Avenue Street Trees: street trees may be placed along the back side of the sidewalk adjacent to I-405.
Application: 15th Ave, Davis to Savier, westside

2.8.8 Boardwalk: follow current pattern of spacing and species established by existing Boardwalk. Subject to the approval of the City Forester.
Application: In place of sidewalk along west side of 10th Ave from Johnson St north to river.

2.8.9 Tree Well Design: design diversity in treatments is encouraged to specify a richer, more diverse streetscape. A variety of treatments is permitted, including ground cover, grass, gravel, mulch, tree grates, and sandset pavers. Other types of treatments are subject to approval by the City Engineer. Surface treatment shall be flush with grade of adjacent sidewalk.
Application: Throughout River District
2.9 SPECIAL FEATURES (INCLUDING PUBLIC ART) CRITERIA

Public art efforts for public works in the River District would be funded by the City's 1% art program associated with, but not limited to, the Office of Transportation and the Bureau of Environmental Services. All projects would be administrated by the Regional Arts and Culture Commission's (R.A.C.C.) Percent for Art Program in consultation with the associated city bureau.

2.9.1 Stand-alone Art: such public art could take the form of, but not be limited to:

- Gateways
- Monument type artworks in the street environment at designated intersections (like the Elk at Main Street)

2.9.2 Integrated Artworks: artists can be hired with Percent for Art dollars to work as a “design team” member with architects, engineers, landscape architects, planners and associated designers working in the district. Large projects such as parks, bridges, plazas, walkways, and buildings lend themselves to artist integration. Public art in these conditions could address itself, but not be limited to, enhancements of the built environment through design team involvement, the creation, fabrication and installation of architecturally integrated artworks, or the identification of sites or projects for other artists to be involved (through the supervision of R.A.C.C.). Examples include: pump stations, vault covers, electrical cabinets, signal cabinets, manhole covers, tree grates, etc. Candidate projects include:

- Pedestrian access from the PDC housing project through McCormick Pier
- New designs for Lovejoy and Broadway ramps and lighting Front Avenue bridges
- Tanner Park
- Tanner Basin
- Relocation and utilization of the existing Lovejoy Viaduct Piers with historic Stefopoulos murals

2.9.3 Privately Funded Public Art: an additional area of funding for art projects could also be patterned after the current City of Portland F.A.R. bonus for art program. All projects would be administrated by the Regional Arts and Culture Commission's Percent for Art Program in consultation with the associated City Bureau(s).
2.10 CONSTRUCTABILITY AND MAINTENANCE

All construction should be reviewed for ease of construction and maintenance by the Bureau of Maintenance.

2.10.1 In-place Construction: pavement, walls, structures, landscape, etc., should be designed in a manner that allows straightforward and efficient construction techniques; minimize designs that require complicated construction sequences with multiple trades; if work is to be phased, provide clear joints or breaks in construction that make subsequent additions or replacements easy; build with proven, durable materials.

2.10.2 Manufactured Components: joint materials, wall materials, vault doors, fasteners, etc., use items that meet all applicable codes and standards; should be proven, durable components in standardized sizes to simplify replacement.

2.10.3 Fabricated Items: shelters, railings, grates, protective plates, covers, etc., build items that meet all applicable codes and standards; should be designed for shop fabrication whenever possible - minimize field modifications or adjustments; should use proven, durable components in standardized sizes to simplify replacement.

2.10.4 Manufactured Stand-Alone Fixtures: furnishings, light standards, etc.; use items that meet all applicable codes and standards; where continuity is desired within subdistricts or along continuous corridors, match previous installation; use proven, durable items; use fastening design that allows easy but tamperproof removal for maintenance.
DESIGN STANDARDS

3.0 DESIGN STANDARDS
The R.O.W. Design Standards provide detailed sections, elevations and plans which supplement the City's Standard Construction Specifications and Plans. The River District standards represent requirements whose application may only be altered by the City Engineer.

The City of Portland, through its policies, regulations and guidelines encourages the dense development of the River District. Since dense development will increase area storm water requirements, every opportunity to construct pervious surfaces within public and private rights-of-way is encouraged. The following design standards include several options for absorptive surfaces within sidewalk zones. These options are also designed to accommodate future storm water programs that would filter and divert run-off to dry wells or sumps. Conformance with these standards is required for new street and sidewalk construction or street and sidewalk reconstruction.

3.1 SIDEWALKS DIAGRAMMED BY ZONE
Symbols are used to identify the four sidewalk zones in these standards.

3.1.1 MODULAR LAYOUT OF SIDEWALKS AND VERTICAL ELEMENTS
RD-1: Blockface Layout - Upright Trees
RD-2: Blockface Layout - Broadheaded Trees
RD-3: Blockface Layout - Mixed Layer Trees
RD-6: 12' Sidewalk, Base Condition
RD-7: 12' Sidewalk, Rigid Paving
RD-8: 12' Sidewalk, Extended
RD-9: 13' Sidewalk, Base Condition
RD-10: 13' Sidewalk, Extended
RD-11: 15' Sidewalk, Base Condition
RD-13: 15' Sidewalk, Pervious Paving
RD-14: Driveways and Crosswalks at Access Corridors
RD-15: Curb Ramp - Typical Condition
RD-16: Construction Joint Curb - Typical Condition
RD-22: Boardwalk
The River District Right-Of-Way Standards

DESIGN STANDARDS

BLOCKFACE LAYOUT UPRIGHT TREES

Scale: 1" = 30'

CITY OF PORTLAND, OREGON

The River District Right-Of-Way Standards
Partial Plan

Scale: 1" = 10'

12' SIDEWALK BASE CONDITION

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<th>NO.</th>
<th>REVISIONS</th>
<th>DATE</th>
<th>BY</th>
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CITY ENGINEER

CITY OF PORTLAND, OREGON

River District Right-Of-Way Standards
DESIGN STANDARDS

Partial Plan

Scale: 1" = 10'

12' SIDEWALK COMBINATION PAVING

CITY OF PORTLAND, OREGON
Building Frontage Zone
Optional Paving:
Rigid, Flexible Or Pervious

Expansion Or Construction
Joint (Typical)

4'x9' Tree Well With
Uniform Upright Tree

Through Pedestrian Zone
Rigid Or Flexible Paving

Furnishing Zone
Optional Paving: Pervious

Extended Curb Line

Ornamental Street Light

2'x2' Diagonal Grid Scoring,
45°, Start @ Property Corner

Diagonal Curb Ramp
Per City Standards & RD-14
6' Wide @ Extended Curb Lines

Scale: 1" = 10'

Partial Plan

12' SIDEWALK EXTENDED CURB

CITY OF PORTLAND, OREGON
Partial Plan

Scale: 1" = 10'

13' SIDEWALK BASE CONDITION
Expansion Or Construction Joint (Typical)

4'x9' Tree Well With Uniform Upright Tree Shown With Grass Or Ground Cover

Through Pedestrian Zone Rigid Or Flexible Paving

Furnishing Zone: Pervious Landscape Grass Or Ground Cover

Potential Signal Pole

Ornamental Street Light

2'x2' Diagonal Grid Scoring, 45°, Start @ Property Corner

Diagonal Curb Ramp Per City Standards & RD-16

Partial Plan

Scale: 1" = 10'

13' SIDEWALK EXTENDED CURB

<table>
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<th>NO.</th>
<th>REVISIONS</th>
<th>DATE</th>
<th>BY</th>
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CITY ENGINEER DATE RD-10
DESIGN STANDARDS

Partial Plan

Scale: 1" = 10'

15' SIDEWALK BASE CONDITION

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</tbody>
</table>

The River District Right-Of-Way Standards
Expansion Or Construction Joint (Typical)
Uniform Broadheaded Tree Shown With Grass Or Ground Cover
Through Pedestrian Zone Rigid Or Flexible Paving
Furnishing Zone With Optional Pervious Paving
Potential Signal Pole
Ornamental Street Light
2'x2' Diagonal Grid Scoring, 45°, Start @ Property Corner
Diagonal Curb Ramp Per City Standards & RD-14

Partial Plan

Scale: 1" = 10'

15' SIDEWALK PERVIOUS PAVING

<table>
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CITY OF PORTLAND, OREGON

River District Right-Of-Way Standards
DRIVEWAYS & CROSSWALKS @ AN ACCESS CORRIDOR

Scale: 1" = 10'

NOTE:
TC = TOP OF CURB ELEVATION

ALIGN CROSSWALKS WITH RAMPS ACROSS STREET

CITY OF PORTLAND, OREGON
Back of Sidewalk elevations may have to be lowered in 10 ft. zone near corner to meet landing and ramp criteria (maintain min. 1% slope)

CURB RAMP TYPICAL CONDITION

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.

Note: All material and workmanship shall be in accordance with the City of Portland Standard Construction Specifications.

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<tbody>
<tr>
<td>1</td>
<td>UPDATED RAMPS TO MEET ADA</td>
<td>AMR</td>
<td>CITY ENGINEER</td>
<td>CITY OF PORTLAND, OREGON</td>
</tr>
</tbody>
</table>
Provide Construction Joint (Or Full Depth Trowel Cut) Where Expansion Joint Meets Curb; Provide 3/8" R Tool Joint At Exposed Surfaces

Expansion Joint

Sidewalk 6" Street

Plan

Scale: 1" = 1'

CONSTRUCTION JOINT AT CURB TYPICAL CONDITION

<table>
<thead>
<tr>
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</table>

CITY OF PORTLAND, OREGON

RD-15
3.1.2 SIDEWALK PAVEMENT TREATMENTS: RIGID
RD-16: Rigid Paving: C.I.P. Concrete
RD-17: Rigid Paving: Mortor-set Paver
Contrasting Color @ Building Frontage & Furnishing Zones

Mortar Set Pavers Per City Standards:
- 1/2" Thickness @ Sidewalks
- 2-1/2" Thickness @ Driveways

1/2" Mortar Bed

Reinforced Subslab:
- 4" @ Sidewalks
- 6" @ Driveways

Curb Per City Standards 3-141

Pavers-Full Sidewalk

Mortar Set Pavers
Mortar Bed W/ Wire Mesh Reinf.
Reinforced Subslab

BFZ 6" TPZ 3" FZ

Pavers-Feature Strips

SECTIONS

Note:
A Single Paver Type, Pattern And Color Shall Be used Per 200' Blockface Minimum.

Scale: 3/4" = 1'-0"

Sidewalk Zones

RIGID PAVING: MORTAR-SET PAVER

<table>
<thead>
<tr>
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</table>

CITY ENGINEER DATE

CITY OF PORTLAND, OREGON
3.1.3 SIDEWALK PAVEMENT TREATMENTS: FLEXIBLE
RD-18: Flexible Paving: Sand-set Interlocking Paver
Pavers in herringbone or other interlocking pattern - 2 3/8" thickness

Sand set bed
Compacted crushed rock base
Curb per City Standards

PAVERS - FULL SIDEWALK

Pavers in herringbone or other interlocking pattern - 2 3/8" thickness
Sand set bed
Compacted crushed rock base
Concrete sidewalk per City Standards 3-125
4" Min.

PAVERS - FEATURE STRIPS

SECTIONS

Note: See also City Standard 3-190 & 3-191
Note: If a color other than Natural Grey is used, it must be used for a 200' blockface minimum

FLEXIBLE PAVING  SAND-SET INTERLOCKING PAVER
3.1.4 SIDEWALK PAVEMENT TREATMENTS: PERVIOUS

RD-19: Pervious Paving: Open-joint Interlocking Paver
RD-20: Continuous Landscape Strip
Open joint concrete interlocking paver - fill open joint w/1/2" minus granular

Curb per City Standards 3-130

Compacted crushed rock base

Compacted crushed rock base

PAVERS - FEATURE STRIPS

SECTION

Note: See also City Standard 3-190 & 3-191
Note: If a color other than Natural Grey is used, it must be used for a 200’ blockface minimum

PERVIOUS PAVING: OPEN JOINT INTERLOCKING PAVER

<table>
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</thead>
</table>

CITY ENGINEER

DATE

CITY OF PORTLAND, OREGON

RD-19
DESIGN STANDARDS

PERVIOUS CONTINUOUS LANDSCAPE STRIP

Note: See also City Standard 3-190 & 3-191
Note: If a color other than Natural Grey is used, it must be used for a 200' blockface minimum
3.2 STREET PAVEMENTS, CIP CONCRETE OR ASPHALTIC CONCRETE PAVING: see existing City Standards; Streetcar Paving-to be determined in design engineering

3.3 ELEVATED ROADWAY STRUCTURES: to be determined in design engineering

3.4 STREET LIGHTING: fixture standards, foundations, specifications, etc.- see existing City Standards

3.5 LANDSCAPE: RD-21: Street Tree Well
SECTION AT TREE WELL

Seeded lawn or ground cover
4" caliper minimum
Root ball

Concrete curb per City Standards 3-130
Approved root barrier all sides

Soil mix @ 80% compaction

Depth of root ball plus 6"

4'-0" min.

Soil mix @ 90 - 95% compaction under root ball (if required)

SIDEWALK ZONES

Scale: ½" = 1'

STREET TREE WELL TYPICAL

CITY OF PORTLAND, OREGON

The River District Right-Of-Way Standards
Plan View

IPE wood decking

4% maximum longitudinal (running) slope

2% uniform slope

4'10" x 4'10" street tree well with frame and grate

Concrete ramps

Street light

BFZ

PZ

FZ

4.5'

Support structure with drainage system

Modified curb to support boardwalk

Section A-A

Note:
Boardwalk support structure to be designed for individual site application by a structural engineer and approved by the City Engineer. Design live load 250 PSF.
### A.2.1
**Naito Parkway**
9th Avenue to 15th Avenue (Option A)

<table>
<thead>
<tr>
<th>Right-of-Way</th>
<th>Varies</th>
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<tbody>
<tr>
<td>Roadway</td>
<td>60 ft.</td>
</tr>
<tr>
<td>Sidewalks</td>
<td>12 ft. east side only</td>
</tr>
<tr>
<td>Curbline</td>
<td>Straight</td>
</tr>
<tr>
<td>Circulation</td>
<td>Two lanes with turn lane and buffered bike lanes</td>
</tr>
<tr>
<td>Parking</td>
<td>Allowed east side only</td>
</tr>
</tbody>
</table>

### A.2.2
**Naito Parkway**
9th Avenue to 15th Avenue (Option B)

<table>
<thead>
<tr>
<th>Right-of-Way</th>
<th>Varies</th>
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</thead>
<tbody>
<tr>
<td>Roadway</td>
<td>60 ft.</td>
</tr>
<tr>
<td>Sidewalks</td>
<td>12 ft. east side, west side TBD</td>
</tr>
<tr>
<td>Curbline</td>
<td>Straight; median curbline varies at left turn refuges</td>
</tr>
<tr>
<td>Circulation</td>
<td>Two lanes with median/left turn refuges and bike lanes</td>
</tr>
<tr>
<td>Parking</td>
<td>Allowed both sides</td>
</tr>
</tbody>
</table>

*Final sidewalk width to be determined in Design Review*
The Old Town/Chinatown Development Plan provides a strategy for implementation of the Old Town/Chinatown Vision Plan adopted by City Council in 1997. The goal of the Development Plan is to develop Old Town/Chinatown into a vibrant, 24-hour, mixed-use, urban neighborhood, rooted in a rich historical past. Four of the Plan’s immediate or short-term actions include development of new street plan for Burnside St, rededication of 2nd Ave and Flanders St near the Classical Chinese Garden and Port of Portland development, improvements to 3rd and 4th Aves, and extension of 6th Ave adjacent to Union Station. All four have moved forward since then. As a result, the River District Right-of-Way Standards need to be updated to reflect this.

Pettygrove Green Street-Special Function Street

River District Right-of-Way Standards Performance Criteria

Location: River District Right-of-Way Standards for NW Pettygrove from NW 11th Avenue to NW 15th Avenue

Select from three (3) options (please refer to standard drawings RD 25A, RD 25B and RD 25C):

Option A: Four (4) motor vehicle parking spaces per block face, mix of large canopy and broad headed trees

Option B: Three (3) parking spaces per block face, mix of large canopy and broad headed trees

Option C: No motor vehicle parking spaces per block, large canopy trees

Important notes on implementation:

i. Early submission of thirty (30) percent Public Works Permit with Type III Design review is strongly encouraged.

ii. While these designs provide flexibility by providing design options, site specifics may limit what may be feasible on a particular block face, primarily the location of stormwater facilities. This may result in adjustments to the designs or limitations in the number of options. Strive to maintain the integrity of the overall designs, particularly the number, size and location of large canopy trees.

iii. For options A and B only, the pattern for a full built out block (both sidewalks) will have staggered trees and parking between the north and south sidewalk areas.

The overall intent is to develop Options A and B in a manner that large trees are on the opposite side of the block, and avoid segments along Pettygrove without large canopy streets.

For example, when the first developer facing Pettygrove comes in for a public works permit, he or she can opt for any of the three options (A, B or C). If the developer chooses, say Option A, he or she has the option of where to locate the motor vehicle parking and large sidewalk area with large trees (east of west ends of the block face.) Subsequently, when the developer of the block across Pettygrove redevelops the property, he or she can also opt for any of the three options (A, B or C.) However, if the developer chooses options A or B, then the parking must be on the other side of the block face (east or west) as the block face already built.
Individual Items:

1. Sidewalk
   - Thirteen (13) to nineteen (19) ft of sidewalk space
   - At least six (6) ft of clear pedestrian through zone
   - Americans with Disabilities Act (ADA) accessible dual curb ramps with truncated domes
   - Curb extensions at both intersections
   - Allow for pedestrian movement, street furniture, bike racks and traffic signalization poles at intersections
   - Curve radii for curbs should be fifteen (15) ft and ten (10) ft for reverse curves
   - The placement of utility vaults and vaulted basements on Pettygrove right-of-way is strongly discouraged; an attempt shall be made to locate them away from Pettygrove. If it can’t be avoided, strive, with implementation of utility vaults and vaulted basements, to avoid impacting the placement and number of street trees and street lights.

2. Roadway
   - A minimum of twenty (20) feet clear will be maintained throughout to allow two-way direction of travel and accommodate emergency vehicles. A minimum of twenty-two (22) feet clear would be maintained between curbs.

3. On street parking
   - Zero (0) to four (4) motor vehicle spaces per block face
   - Provide sufficient bicycle racks per block face to meet demand. Between two (2) and five (5) per block face are recommended.

4. Trees
   - Minimum six (6) trees per block face using a mix of larger canopy (where sidewalk is wider) and smaller canopy trees (elsewhere). Aim for as many larger canopy trees as feasible
   - Trees approved by City Forester/River District Right-of-Way Standards
     a. List of large canopy trees:
        - London Planetree
        - Accolade Elm
        - Bur Oak
        - Kentucky Coffee Tree
        - Legacy Sugar Maple
        - Green Vase Zelkova
        - Shumard Oak
        - Black Tupelo (for use in swales only if needed)
     b. List of smaller trees: Refer to section 2.8.2 Uniform Plantings/Broad-headed Street Trees of the River District ROW Standards. Trees that can be planted in swales are also allowed.
       - Minimum size of tree planted will be four (4) inch caliper
       - Tree wells will be four by four (4x4) ft for trees in River District Right-of-Way Standard section 2.8.2, and about eight-and-a-half by eight-and-a-half (8.5x8.5) ft for “large trees” (see above)
       - Spacing between trees will be about thirty (30) ft
       - No tree grates required.
5. Stormwater runoff: Manage all of the stormwater runoff in block face and roadway from centerline (or high point of crown) to curb to meet the current sizing requirements at the time of development in the Stormwater Management Manual. Recommended approach: Swale/planter (estimated to be about 250 sf, less if accompanied by the following elements)
   - Landscaping using City approved practices
   - Permeable materials
   - Trees and tree wells.

6. Street lighting
   - Three (3) street lights per block face
   - Preference for LED type lighting or white induction light with dimmable function
   - Street light type is Lumec Z-15, with straight pole, painted black, non-fluted, tapered shaft.

7. Street furniture and art
   - Two (2) to four (4) benches
   - Installation of art pieces while maintaining the pedestrian functionality of the sidewalk, per River District Right-of-way Standards
   - Other (planters, trash receptacles, drinking fountain, news racks, kiosks, signage, and bike racks) per River District Right-of-Way Standards.

8. Encouraged but not required
   - Landscaping in the area adjacent to the building in the frontage zone (1-2 feet) while keeping six-to-seven (6-7) ft of clear through pedestrian zone
   - Permeable materials in on street parking area (it can reduce the impervious surface calculation) if it meets technical requirements
   - Vehicle access is strongly discouraged on Pettygrove. An attempt shall be made to locate driveways and truck loading not on Pettygrove but on adjacent streets
   - Encourage electric vehicle charge stations and car sharing on or on streets adjacent to Pettygrove
   - Landscaping in the tree wells, particularly the large ones
   - Art pieces encouraged along Pettygrove.
INTRODUCTION

INTRODUCTION

0.0 INTRODUCTION TO 2004 UPDATE

In the seven years since its adoption in 1996, a tremendous amount of the original River District Right-of-Way Standards have been implemented. Many of the new streets planned have now been built. Major changes such as the replacement of the Lovejoy ramp and Portland Streetcar have also been constructed. This has been in support of 3,524 units of new housing built since 1994.

As the River District Right-of-Way Standards have evolved from plan to reality, so has the district in terms of new ideas both to manage and further its success. The Pearl District Development Plan, adopted in 2001, and the Old Town Chinatown Development Plan, adopted in 1999, have created new policies and projects to address the next phase of transition to occur now that much of the district has gone from a planned to an actual neighborhood.

There are several new streets which have been planned or built within the River District since 1996, these need to be added to the Right-of-Way Framework Plans section of the document. These include the streets adjacent to the Classical Chinese Garden which have been rededicated as public right-of-way, the 6th Avenue Extension project near Union Station, and the planned extension of 10th and 11th Avenues north of Overton as part of the Hoyt Street Yards development. There is also the Boardwalk, a new streetscape design element which has been introduced to the Park Blocks along 10th Avenue that will eventually provide a new pedestrian link to the river.

As a result of these changes and specific action items contained within the Pearl District Development Plan, in 2002 the Portland Development Commission requested that the Portland Office of Transportation update the River District Right-of-Way Standards. The update process included an inventory of existing conditions, a review of policies and projects created since 1996 that affect rights-of-way, and stakeholder interviews with the representative neighborhood associations, the development community and City staff to define elements of the plan to be updated.

NOTE: The number and location of benches, bicycle racks and swales shown is for illustrative purposes only. Actual number and location will vary depending on local conditions.

PETTYGROVE STREET: OPTION A

Four (4) motor vehicle parking spaces per block face, mix of larger canopy trees and broad headed trees

LEGEND

| BENCH (2-4 PER BLOCK FACE) |
| STAPLE BICYCLE RACK (2-5 PER BLOCK FACE) |
| STREET TREE (6 PER BLOCK FACE) |
| STREET LIGHT (3 PER BLOCK FACE) |
| STORMWATER FACILITY (+/- 250 SF PER BLOCK FACE) |

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CITY OF PORTLAND, OREGON

A-5
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Three (3) motor vehicle parking spaces per block face, mix of larger canopy trees and broad headed trees

LEGEND
- BENCH (2-4 PER BLOCK FACE)
- STAPLE BICYCLE RACK (2-5 PER BLOCK FACE)
- STREET TREE (6 PER BLOCK FACE)
- STREET LIGHT (3 PER BLOCK FACE)
- STORMWATER FACILITY (+/- 250 SF PER BLOCK FACE)

The number and location of benches, bicycle racks and swales shown is for illustrative purposes only. Actual number and location will vary depending on local conditions.

PETTYGROVE STREET: OPTION B

The River District Right-Of-Way Standards
INTRODUCTION

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NOTE:
The number and location of benches, bicycle racks and swales shown is for illustrative purposes only. Actual number and location will vary depending on local conditions.
ORDINANCE No. 185122

*Amend River District Right-Of-Way Standards to include new standards for NW Pettygrove St. (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

1. On November 5, 2008, Council adopted the North Pearl District Plan via Ordinance 182319. The Plan calls for NW Pettygrove St. to link open space features and public amenities in the Pearl and NW District with an enhanced right-of-way that focuses on pedestrian and bicycle circulation, sustainable stormwater management, and expanded tree canopy.

2. The River District Right-of-Way Standards specify performance criteria and design standards for improvements to the public right-of-way within the River District. The improvements are constructed concurrent with adjacent redevelopment. The current standard for NW Pettygrove St. requires 13 foot sidewalks, a 34 foot curb-to-curb distance, and on street parking on both sides.

3. The Bureau of Transportation is currently developing the Pearl District Access and Circulation Plan (PDACP). The PDACP is identifying multi-modal improvements District-wide, with continual input from a Stakeholder Advisory Committee comprised of neighborhood, business and modal advocates.

4. The PDACP convened a sub-committee of adjacent property owners, neighborhood, and business interests to develop new right-of-way standards for NW Pettygrove St. That group has reached consensus on a suite of standards that provide property owners flexibility while achieving the vision of a green street on NW Pettygrove St., with an eastern terminus at The Fields Park.

5. The new standards provide up to 19 foot sidewalks, broad-canopy street trees, benches, distinctive ornamental lighting, bicycle and auto parking, and stormwater management.

6. Redevelopment projects are underway on NW Pettygrove St. To implement the green street improvements, the River District Right-of-Way Standards must be amended to reflect the new design standards and performance criteria.

NOW, THEREFORE, the Council directs:

a. The Council hereby amends the River District Right-of-Way Standards, substantially similar in form as the amendment attached to the original of this Ordinance (Exhibit A), and by this reference made a part hereof, with approval of the City Engineer.
Section 2. The Council declares that an emergency exists because a delay would unnecessarily delay the City’s ability to perform the required activities; therefore, this Ordinance shall be in full force and effect from and after its passage by the Council.

Passed by the Council: JAN 25 2012

Mayor Sam Adams
Prepared by: Mauricio Leclerc
Date Prepared: January 17, 2012

LaVonne Griffin-Valade
Auditor of the City of Portland
By
Deputy
*Amend River District Right-Of-Way Standards to include new standards for NW Pettygrove St. (Ordinance)
RESOLUTION No. 36932  As Amended

Adopt the recommendations in the Pearl District Access and Circulation Plan (Resolution)

WHEREAS, on December 5, 2008, by Ordinance No. 182319 and Resolution No. 36642, the City Council adopted the North Pearl District Plan, building upon previously adopted plans including the 1998 River District Urban Renewal Plan and the 2001 Pearl District Development Plan; and

WHEREAS, the 2001 Pearl District Development Plan anticipates 11,000 additional residents and 12,000 additional jobs in the Pearl District; and

WHEREAS, the Pearl District Access and Circulation Plan will contribute to the goals of the North Pearl District Plan and the Portland Plan in advancing sustainable communities and the increased use of walking, cycling, carpooling and using transit to access and travel within the district; and

WHEREAS, the Pearl District Access and Circulation Plan was developed by the City of Portland Bureau of Transportation in cooperation with other City bureaus and with participation from property owners, business persons and other interested citizens; and

WHEREAS, extensive public involvement has included fourteen Stakeholder Advisory Committee meetings, two open houses, and involvement of neighborhood and community associations; and

WHEREAS, the Pearl District Access and Circulation Plan supports access for pedestrians by enhancing pedestrian crossings and bicyclists by developing and completing bicycle facilities on designated bikeways within and to activity centers, consistent with the Portland Bicycle Plan for 2030; and

WHEREAS, the Pearl District Access and Circulation Plan supports access for automobiles and truck traffic by maintaining access to regional transportation and freight facilities, and by reducing potential conflicts between trucks, autos, bicycles, and pedestrians at interchanges with regional facilities and city streets; and

WHEREAS, the Pearl District Access and Circulation Plan outlines a list of long-term and short-term transportation projects to support the continued development of the Pearl District neighborhood; and

WHEREAS, the Pearl District Access and Circulation Plan prioritizes the projects to help city staff and stakeholders focus their efforts effectively; and

WHEREAS, continued development of the Pearl District is a high priority for the City of Portland;

NOW, THEREFORE, BE IT RESOLVED, that the City of Portland adopts the recommendations of the Pearl District Access and Circulation Plan as Non-Binding City Policy attached as Exhibit A; and
BE IT FURTHER RESOLVED, that the Pearl District Access and Circulation Plan will guide the development of transportation infrastructure in the Pearl District neighborhood; and

BE IT FURTHER RESOLVED, that the City Council directs city staff to continue to work with district stakeholders to guide the funding of projects in the Plan; and

BE IT FURTHER RESOLVED, that the City Council directs city staff to update the Transportation System Plan and the River District Right-of-Way Standards to include the projects and priorities of the Pearl District Access and Circulation Plan; and

BE IT FURTHER RESOLVED, that the City Council directs city staff to make implementation of the projects a high priority and to collaborate with district stakeholders to implement the projects; and

BE IT FURTHER RESOLVED, that as the first implementing action City Council directs the Portland Bureau of Transportation to install seven traffic signals in priority locations identified in Figure 10, Recommended Traffic Circulation and Control, to improve access and safety in the plan area; and

BE IT FURTHER RESOLVED, that the City Council gratefully acknowledges both the excellent work and dedication of the Stakeholder Advisory Committee, the Pearl District Neighborhood Association, the Pearl District Neighborhood Association, and participating community members.
Adopt the recommendations in the Pearl District Access and Circulation Plan (Resolution)

<table>
<thead>
<tr>
<th>INTRODUCED BY</th>
<th>COMMISSIONER APPROVAL</th>
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<tbody>
<tr>
<td>Mayor—Finance and Administration—Adams</td>
<td>Mayor of mayor Adams</td>
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<tr>
<td>Commissioner/Auditor:</td>
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<tr>
<td>MAYOR SAM ADAMS</td>
<td>LaVonne Griffin-Valade</td>
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<td>COMMISSIONER APPROVAL</td>
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<tr>
<td>Division Manager: Paul Smith</td>
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<tr>
<td>Prepared by: Mauricio Leclerc:JF</td>
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<td>Date Prepared: June 1, 2012</td>
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<th>FOUR-FIFTHS AGENDA</th>
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<tr>
<td>TIME CERTAIN ☑</td>
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<td>2. Fish</td>
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<td>4. Leonard</td>
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<td>Adams</td>
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| CONSENT ☐ |
| REGULAR ☑ |
| Total amount of time needed: |
| (for presentation, testimony and discussion) |