PIONEER SQUARE PRESERVATION BOARD
CERTIFICATE OF APPROVAL FOR WATERFRONT SEATTLE - MAIN CORRIDOR
APRIL 18TH 2018
ARC MEETINGS
TOPICS REVIEWED

AUGUST 2017
OVERALL PROJECT BRIEFING

SEPTEMBER 2017
UPDATE ON USE OF SALVAGED BRICK

OCTOBER 2017
UPDATE ON PAVING, PLANTING, FURNISHING, LIGHTING + ART

JANUARY 2018
UPDATE ON TREE SPECIES + MATERIAL PALETTE

APRIL 2018
PRESENTATION FOR RECOMMENDATION TO FULL BOARD
PIONEER SQUARE
ARC OUTLINE

PAVING

PLANTING

FURNISHING

LIGHTING

ART

HABITAT BENCH
PAVING
PAVING
MATERIAL PALETTE

CIP CONCRETE 8”: PROMENADE
LARGE EXPOSED AGGREGATE
SMALL EXPOSED AGGREGATE

ASPHALT CYCLE TRACK

CIP CONCRETE 13”: ROADWAY
ROADWAY PAVEMENT

CIP CONCRETE 4”: EAST-SIDE
SMALL EXPOSED AGGREGATE
PIONEER SQUARE STANDARD CONCRETE WITH LAMP BLACK OR EQUIVALENT DYE
PAVING
EAST SIDEWALK

SMALL EXPOSED AGGREGATE

PIONEER SQUARE STANDARD CONCRETE WITH LAMP BLACK OR EQUIVALENT DYE
POINTER SQUARE
EAST SIDEWALK

TRAVEL LINES

BUS LANE

PARKING/LOADING

SIDEWALK + PLANTING + SPILL OUT SPACE

PRIVATE PROPERTY
PAVING
EAST SIDEWALK
PAVING

CONCRETE INLAYS
PAVING
CONCRETE INLAYS

HARD TROWELED FINISH

SMALL EXPOSED AGGREGATE
PAVING
CONCRETE INLAYS

05/25/2016 08:50

UNION STREET

24'
32’
PAVING
RECYCLED BRICKS

7,000 BRICKS SALVAGED FROM
4TH AVENUE PAVING PROJECT
PAVING
BRICK LAYOUT

KING ST.

JACKSON ST.

4”

RECLAIMED
BRICK DIM.

8”
PAVING
BRICK LAYOUT

JACKSON ST.

4"

MAINT

8"

RECLAIMED
BRICK DIM.
PAVING
PIONEER SQUARE BRICKS CROSSING OVER TREE PITS

PARKING LANE
STEP OUT ZONE
TREE PIT
(RECYCLED BRICK PAVERS)
SIDEWALK
(SMALL EXPOSED AGGREGATE CONCRETE)
PAVING
EAST SIDEWALK STEP OUT ZONE

ALASKAN WAY

10’ PARKING / LOADING

2’ STEP-OUT ZONE

4’ PLANTER

8’ - 12’ SIDEWALK

PRIVATE PROPERTY
PAVING
EAST SIDEWALK STEP OUT ZONE

PARKING LANE

STEP OUT ZONE

TREE PIT
(RECYCLED BRICK PAVERS)

SIDEWALK
(SMALL EXPOSED AGGREGATE CONCRETE)
PAVING
EAST SIDEWALK STEP OUT ZONE

PRE-CAST EXPOSED AGGREGATE CONCRETE UNIT PAVER
PAVING
EAST SIDEWALK STEP OUT ZONE

PARKING/LOADING
CONCRETE CURB
CONCRETE UNIT PAVERS
TREE PIT

6”
18”

concrete
curb
K
ing
/Loading

concrete
unit pavers

tree
pit

18”
6”

paving
eak
S
St
Sidewalk S
step
Z
one

28
PAVING
ROADWAY + INTERSECTIONS
PAVING INTERSECTIONS

STANDARD ROADWAY PAVEMENT

COLORED AND SCORED INTERSECTION PAVEMENT

COLORED AND SCORED PARKING/LOADING PAVEMENT
PAVING INTERSECTIONS

COLORED + SCORED

COLORED + SCORED

COLORED + SCORED

COLORED + SCORED
PAVING INTERSECTIONS

16’ COLORED + SCORED CONCRETE

16’ CROSSWALK STRIPING

WEATHERED STEEL DETECTABLE WARNING STRIP

12” WIDE CURB AT INTERSECTIONS

STANDARD ROADWAY CONCRETE

STANDARD ROADWAY CONCRETE

STANDARD ROADWAY CONCRETE

COLORED + SCORED CONCRETE

COLORED + SCORED CONCRETE

COLORED + SCORED CONCRETE

COLORED + SCORED CONCRETE

COLORED + SCORED CONCRETE

COLORED + SCORED CONCRETE

COLORED + SCORED CONCRETE
PAVING
INTERSECTIONS: DETECTABLE WARNING STRIP
PAVING
INTERSECTIONS: COLORED + SCORED CONCRETE
PIioneer SQUARE
WEST SIDE: SOUTH OF WASHINGTON

STATE ← CITY

12' MIN.
PLANTING

12'
BIKE FACILITY

8'
SIDEWALK

5.5'
PLANTING

PIER 48 PARKING

TRANSIT LANE
PAVING
MATERIAL: IMPERVIOUS ASPHALT

Pavement, see paving details for depths
Flush curb at cycle track
Steel edging
Root barrier
Inspection riser

1. Soil cell edge detail
2. Soil cell construction depths in cycle track
3. 1.5 x rootball height, min.
PAVING
BIKE FACILITY PAINTING

AT DRIVEWAY

IN ROADWAY
CONCRETE BAND AT BIKE FACILITY TRANSITIONS

2" WMA (CL ½ IN. PG 64-22) OVER NON-ROADWAY CEMENT CONCRETE (TYP)
PIONEER SQUARE
PROMENADE

BEACH

6'

12-25'

4-18'

12'

8'

ACCESS TO BEACH

PROMENADE

PLANTING

BIKE FACILITY

PLANTING

TRANSIT LANE 44
PIONEER SQUARE
MATERIALS

BEACH PEBBLES

EXPOSED PEBBLES IN CONCRETE

BEACH PLANTING
PAVING
LARGE EXPOSED AGGREGATE

ADA COMPLIANT
PLANTING UPDATE
PLATANUS X ACERIFOLIA ‘YARWOOD’
LONDON PLANE TREE

INSTALLATION SIZE: 4-5” CAL
20 YR HEIGHT: 25-30’

LIRIODENDRON TULIPIFERA
TULIP TREE

INSTALLATION SIZE: 4-5” CAL
20 YR HEIGHT: 25-30’
POINTER SQUARE
UNDERSTORY PLANTING

PORT BUFFER PLANTING

CYCLE TRACK

STREET TREE PIT PLANTING

ALASKAN WAY

MEDIAN PLANTING

STREET TREE PIT PLANTING

WASHINGTON ST.
PIONEER SQUARE
UNDERSTORY PLANTING

SPRING

Ceanothus gloriosus
Iris douglasiana
Narcissa thalia
Camassia leichtlinii ‘semiplena’
Mahonia repens

SUMMER

Achillea millefolium ‘Lilac Beauty’
Helictotrichon sempervirens
Hakonechloa macra
Carex densus
Achillea millefolium ‘Moonshine’

FALL

Aster tataricus ‘Jindai’
Acer circinatum ‘Pacific Purple’

WINTER

Liriope spicata
Carex comans
Cornus sericea ‘Kelsey’
Symphoricarpus k chenaultii
Pinus contorta
PIO NEER SQUARE PROMENADE
UNDERSTORY PLANTING

SPRING

Ceanothus gloriosus ‘Heart’s Desire’
Brodiaea ‘Queen Fabiola’
Camassia leichtlinii ‘Sacajawea’

SUMMER

Calamagrostis acutifolia ‘Karl Foerster’
Geum ‘Totally Tangerine’
Potentilla fruticosa ‘Happy Face White’

FALL

Andropogon gerardii ‘Red October’
Aster dumosus ‘Lady in Blue’
Molinia caerulea ssp. Anundmacea ‘Skyracer’

WINTER

Hakonechloa macra
Pinus contorta var. latifolia
Arctostaphylos x John Dourley
Pinus contorta
COLMAN DOCK
STREET TREES

ULMUS PARVIFLORA ‘ELMER II’
CHINESE ELM
INSTALLATION SIZE: 4-5” CAL
20 YR HEIGHT: 25-30’

ULMUS AMERICANA ‘PRINCETON’
PRINCETON AMERICAN ELM
INSTALLATION SIZE: 4-5” CAL
20 YR HEIGHT: 25-30’

ZELKOVA SERRATA ‘GREEN VASE’
GREEN VASE ZELKOVA
INSTALLATION SIZE: 4-5” CAL
20 YR HEIGHT: 20-25’
COLMAN DOCK
UNDERSTORY PLANTING

SPRING
- Iris tenax ‘Oregon Watercolor’
- Ceanothus thyrsiflorus ‘Repens’
- Iris douglasiana ‘Canyon Snow’
- Pieris japonica ‘Prelude’
- Bergenia ‘Bressingham Ruby’
- Mahonia aquifolium ‘Compactum’

SUMMER
- Iris virginica ‘Little Henry’
- Athyrium filix-femina
- Osmunda regalis
- Polystichum munitum
- Osmunda claytoniana

FALL
- Pennisetum alopecuroides ‘Hameln’
- Aster divaricatus ‘Wood’s Blue’
- Amsonia hubrichtii

WINTER
- Vaccinium ovatum
- Lonicera pileata
- Carex comans
- Carex oshimensis ‘Evergold’
- Carex elata ‘Aurea’
- Mahonia aquifolium
SOIL CELLS
5% PLASTIC STRUCTURE + 95% PLANTING SOIL

SUPPORTS PAVEMENT

SUPPORTS TREE
FURNISHING
Specifications are subject to change without notification.

MORANO 900

The MORANO barrier bollard is available in three heights with a selection of mounting configurations. The simple top cap detail is machined from billet aluminum and press fit to the steel bollard shaft. Steel shaft is hot-dip galvanized prior to being finished in finely textured paint. Mounting variations include embedded, removable, flange mount, and collapsible models. Companion power bollard completes the product family. Standard colors; matte silver grey metallic, dark grey, graphite grey, or black. Special colors available. All hardware is stainless steel.
FURNISHING
OVERALL PLAN

- Tree Pit Guards
- Railing + Gates

- Washington Street
- Yesler Way
- Columbia Street
- King Street
- Jackson Street
- Main Street
- Kingson Street
FURNISHING TREE PIT GUARDS
TREE PIT GUARDS

SIZES

TREE PIT LAYOUT PLAN AREA 3 SOUTH

TREE PIT LAYOUT PLAN AREA 3 NORTH

TREE PIT LAYOUT PLAN AREA 10 NORTH

TREE PIT LAYOUT PLAN AREA 10 SOUTH
PIONEER SQUARE
PROMENADE

LEGEND
1. PIONEER SQUARE PROMANDE
2. CYCLE TRACK
3. WSBL CONCESSION
4. ART BY BUSTER SIMPSON
5. ENTRANCE TO HABITAT BENCH
WATERFRONT RAILING
CURRENT
WATERFRONT RAILING
PROPOSED
WATERFRONT RAILING
PROPOSED

TOP RAIL - WOOD

TOP RAIL SPACER, TYPICAL

TOP RAIL BRIDGE SPACER

HAND HOLD

GALVANIZED STEEL FRAME, WITH PRE-DRILLED HOLES TO ALIGN WITH SPACERS 2 X 5 X REQD

FLEXIBLE MESH INFILL

BASE PLATE SPACER, TYPE 1

TOP OF LPS PANEL SURFACE

GALVANIZED STEEL FRAME, WITH PRE-DRILLED HOLES ALIGNED WITH SPACERS 2 X 5 X REQD

HAND HOLD

TOP RAIL - WOOD

FLEXIBLE MESH INFILL

3'-6"

3'-3"

2'-2"

5"

EQ.

EQ.

EQ.

EQ.
WATERFRONT RAILING
STEEL FRAME

METAL FRAME SECTIONAL DIMENSION

1/2"

5"
WATERFRONT RAILING
MESH INFILL
WATERFRONT RAILING

TOP RAIL

EKKI WOOD TOP RAIL SECTION
WATERFRONT RAILING
EKKI WOOD
FURNISHING
RAILING MOCK-UP

*INSTALLED SUMMER 2018
WATERFRONT RAILING
CONNECTION TO COLMAN DOCK RAILING
FURNISHING
OVERALL PLAN

TREE PIT GUARDS
RAILING + GATES

COLMAN DOCK
FURNISHING
FURNISHING

BENCH

NOTES ON ARMREST
- ONLY TYPE IA TO HAVE ARMREST
- TYPE IB NOT TO HAVE ARMREST

LONGITUDINAL SECTION

1/4" OPEN JOINT, TOP

1/4" - ONE UNIT

TANNER LOO, TOP
- R 1/2" FOR ALL EDGES
- GRAN TO FACE UP

ALL ATTACHMENT FLAT, TOP
FINISH GRADE
CONCRETE PAVING

BENCH - TYPE IA [BC-1A] & TYPE IB [BC-1B]

CROSS SECTION FOR UNIT LOCATED ABOV PLANTER

BENCH - TYPE IC [BC-1C]
SALVAGED SHIP TIMBERS

SALVAGED DOUGLAS FIR BEAMS
MANUFACTURER: ELKAY

NAME: 4420BF1U

MATERIALS: STEEL

100% RECYCLABLE,
ADA ACCESSIBLE,
WATER BOTTLE FILLER
PET FOUNTAIN

DRINKING FOUNTAINS
MANUFACTURER: ELKAY

MANUFACTURER: ELKAY
NAME: 4420BF1U
MATERIALS: STEEL
100% RECYCLABLE,
ADA ACCESSIBLE,
WATER BOTTLE FILLER
PET FOUNTAIN
NOTE:
ANCHOR AS PER MANUFACTURER’S INSTRUCTIONS

BOTTLE FILLER

FOUNTAIN

PET FOUNTAIN BEYOND

CIP CONC’ SIDEWALK – S.C.D.

ANCHORING BOLT
- (6) BOLTS FOR EACH UNIT
  - SS
  - 1/2” DIA
  - 3” LONG
NOTE: ANCHOR AS PER MANUFACTURER’S INSTRUCTIONS

BILE RACK

CIP CONC’ SIDEWALK - S.C.D.

ANCHORING CEMENT

Φ3", TYP

2′-2 3/4"

Φ3", TYP

8" S.C.D.

BILE RACK, TYP

STEEL EDGING PLANTER

4′-6"

3′-3"

3′-3"
FURNISHING
BOLLARD AT INTERSECTIONS
FURNISHING
BOLLARD AT INTERSECTIONS
TSUTUKAWA FOUNTAIN
ORIGINAL LOCATION

ORIGINAL LOCATION AT COLMAN DOCK
**TSUTUKAWA FOUNTAIN**

**MATERIALS**

- **MATERIAL: BLACK GRANITE**

- ELEVATION LOOKING NORTH
  - TSUTUKAWA SCULPTURE FOUNTAIN
  - GRANITE-CLAD BENCH

- ELEVATION LOOKING EAST
  - Pool bench coping, black thermal finished granite
Pool bench coping, black thermal finished granite

George Tsutakawa sculpture

Light trench, allows field adjustment of light fixtures for best light effect

Removable black granite finish to conceal piping and pool equipment
BUS SHELTER
JACKSON TO MAIN
BUS SHELTER
JACKSON TO MAIN
BUS SHELTER
YESLER TO COLUMBIA

YESLER WAY

ALASKAN WAY

COLUMBIA STREET

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LIGHTING UPDATE
LIGHTING UPDATE
LAYOUT

- WATERFRONT ROADWAY LIGHTING
- NEW TRI-GLOBE LIGHTING
- EXISTING TRI-GLOBE TO REMAIN
- EXISTING TRI-GLOBE TO BE RESET
- REPLACE EXISTING TRI-GLOBE
LIGHTING
HI-LOW STREET LIGHT

HI-Low STREET LIGHT
LIGHTING
TRI-GLOBE

TRI-GLOBE
ART UPDATE
ART
BUSTER SIMPSON: DOLO
1½” STANDARD PIPE

COAT INSIDE OF TAPERED SURFACE W/ BOND BREAKER PRIOR TO PLACING GROUT

3” DIA.

NON-SHRINK GROUT TO SECURE PIPE TO TETRAPOD, FILL PIPE AND ANNULAR SPACE W/ NON-SHRINK GROUT

5” DIA.

TETRAPOD, PROVIDED BY OWNER

TOP OF SIDEWALK

CAP PL 1/4x5x5

#5 @ 12” EW T&B

SQ FOOTING

4’-0”
ART
BUSTER SIMPSON: SANDBAGS
ART
BUSTER SIMPSON: SANDBAGS

- Set top sandbag 1” to 2” above top of planter wall
- Fill with concrete
- 3/8” x 1 1/4” headed anchor studs @ 2'-0” OC
- 24” high planter wall
- Thick sidewalk under sandbag wall
- 24” planter wall
- Sandbag provided by owner
- Top of sidewalk
- 30'-0” planter wall
HABITAT BEACH
PIioneer Square
Habitat Beach: High Tide
END
PIONEER SQUARE
SITE PLAN
PIioneer Square
Pedestrian Access

Legend
- Pedestrian Circulation
- Cycle Track
1. EAST SIDEWALK
2. PARKING/LOADING
3. INTERSECTIONS
4. WATERFRONT PROMENADE
Habitat plantings will be designed to maintain sight lines and appropriate distances from Washington Street Boat Landing.

Navigable water channel at average tide level (3.5' NAVD 88)
DESIGN 2 EAST OF AWV VIEW
RAIL STUB AND SNUG FIT
HSS6x2x3/8 AT HSS8x4

RAIL STUB,
HSS6x3x3/8 POST

1/2 ELEVATION - GUARDRAIL AT YESLER

DESIGNED BY:
CHECKED BY:
ASST SECRETARY:
PM & ENGR MNGR:

WASHINGTON STATE FERRIES RAILING

EBSP RAILING

HSS2x2x3/8 RAIL TYP
HSS 4x4x3/8 POST, TYP

RAILING CORNER

TRANSITION PL

HSS 4x4x3 AT HSS 8x4

EXIST HSS4x4x1/4
(3) PLACES

EXIST HSS8x4x5/16

BOLT

4" MAX

1/4

1/4 PL CAP, TYP

1/8

TYP, POST TO GUARD

1/4 POST TO GUARD

HSS 2x2x1/4" RAIL TYP

2'-10" 1'-0"

2'-8 3/16"
PAVING PALETTE

CIP CONCRETE 8”: PROMENADE

ASPHALT CYCLE TRACK

CIP CONCRETE 13”: ROADWAY

CIP CONCRETE 4”: EAST-SIDE

LARGE EXPOSED AGGREGATE

SMALL EXPOSED AGGREGATE

ROADWAY PAVEMENT

SMALL EXPOSED AGGREGATE

PIONEER SQUARE STANDARD CONCRETE WITH LAMP BLACK OR EQUIVALENT DYE
COA COMMENTS
FOCUS TOPICS

FEBRUARY 2018 COMMENTS
• INCLUDE HABITAT BEACH FOR REVIEW
• CLARIFY METRO SHELTERS/KIOSK/SIGNS WILL RECEIVE THEIR OWN COA
• EXPLAIN TRANSITION TO COLMAN DOCK RAILING
• EXPLAIN FIXTURES ON SIGNAL MAST ARMS
• EXPLAIN WHAT LIGHTING FIXTURES WILL BE KEPT, REPLACED OR RELOCATED
• EXPLAIN HOW LIGHTING WILL BE COORDINATED WITH ADJACENT DEVELOPMENTS

MARCH 2018 COMMENTS
• EXPLAIN THE PROJECT’S IMPACT TO PIONEER SQUARE AREA WAYS
WATERFRONT RAILING
CONNECTION TO COLMAN DOCK RAILING

ALIGN RAILING PANEL W/ COVER PLATE JOINT, TYP

EXISTING EDGE BEAM COVER PLATE, TYP

4'-0" TYP

RAIL FRAME BOTTOM PLATE 4'-6 5/8" VIF

4'-0" TYP

WOOD TOP RAIL 4'-10 5/8" VIF

2"

SEISMIC JOINT

WASHINGTON STATE FERRIES RAILING

RAILING CORNER

EXISTING RAIL BASE PLATE

EXISTING RAIL

EXISTING RAIL POST

SEGMENT 1 NORTH CUSTOM PANEL

ALL STANDARD PANEL, TYP
WATERFRONT RAILING
CONNECTION TO COLMAN DOCK RAILING
FURNISHING
GATE: 90% DESIGN

GATE LOCATION (6')