



TriMet MAX Orange Line Public Art Guide



Mary Priester and Michelle Traver with statements by artists

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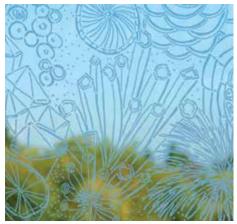
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Priester, Mary Traver, Michelle TriMet MAX Orange Line Public Art Guide

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The ruffle of a scrub jay's wings on landing

FROM ORANGE LINING, POEM BY JULES BOYKOFF

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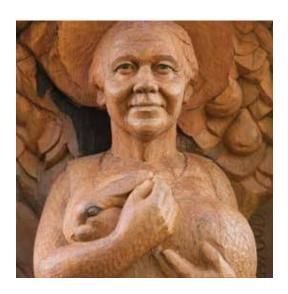
Journeys give us new eyes to see our world anew

FROM ORANGE LINING, POEM BY PAULANN PETERSON





Preface



For the past 30 years, as TriMet staff planned, designed and built each new light rail line, we gained valuable experience and learned many lessons. When work began on the region's newest line—the MAX Orange Line—we brought all this knowledge to bear not only on the basic project but also on redevelopment opportunities, sustainability and active transportation.

Similarly, we have honed our approach to public art on every light rail project since the Westside MAX Blue Line in the 1990s. The successful results, which you will see in these pages and hopefully in person along the new line, make evident why TriMet's Public Art Program is well loved locally and respected nationally.

With assistance from the volunteer Portland-Milwaukie Public Art Advisory Committee, the Public Art Program staff commissioned artwork that is impressive for its quality and scope, and for how the pieces inform the new line. The MAX Orange Line public art ranges from the monumental sculptures at the Clinton/ SE 12th Ave, SE Tacoma St/Johnson Creek and SE Park Ave Stations, to the human-scaled, wood sculptures along the

Trolley Trail and the poetry stamped in sidewalks all along the line. The work is variously serious or playful, but always engaging. Collectively, it combines TriMet's strong commitment to excellence, sustainability and community involvement that is at the heart of all of our infrastructure projects.

Successful public art functions on many levels and contributes to our sense of connection to place. MAX Orange Line public art reminds us how the vast natural resources of the Northwest have influenced who we are as a community, as well as our work and our values. At TriMet, our commitment to the environment and the places we live is inseparable from our commitment to providing convenient, shared travel. We are pleased to share this art with you and hope you will find it as inspiring as we do.

DANIEL W. BLOCHER, PE EXECUTIVE DIRECTOR TRIMET CAPITAL PROJECTS

Introduction

The MAX Orange Line public art consists of 25 projects with nearly 200 individual elements by 26 artists and 57 writers. It is a rich and varied collection that reflects both the shared history of communities that sprang up along the river and the uniqueness of each neighborhood from downtown Portland to Milwaukie and suburban Oak Grove.



TriMet's sixth light rail extension provides the region with much more than an efficient and sustainable transit system. It also offers extensive new networks for walking and biking, restored ecosystems and improved watershed health, in addition to site-specific art that helps create a sense of place within the communities we serve.

Beginning with Westside MAX in 1998, the goals of the TriMet Public Art Program have been to acknowledge and contribute to the cultural richness in the tri-county area. Engaging artists to study a new alignment is the first stage in developing a successful program, and doing so early allows for maximizing opportunities for artwork. To this end, several artists were commissioned in 2009 during the preliminary engineering phase of what was then called the Portland-Milwaukie Light Rail Transit Project.

Buster Simpson was hired as the lead artist to help articulate an overall aesthetic direction. He envisioned the light rail line itself as a "poetic utility" where the functional aspects of the construction project could also be put to an aesthetic use. Tad Savinar analyzed each station area and proposed possible art commissions with associated budgets. On this foundation, public art staff laid a framework for the program with a vision for artwork that would be innovative and inspiring while encouraging civic discourse and environmental stewardship.

The Tilikum Crossing, *Bridge of the People*, the first bridge in the U.S. to exclusively serve public transit, bikes and pedestrians, was clearly an important opportunity for the art program. Anna Valentina Murch and Douglas Hollis were commissioned as design team artists to produce an Art Master Plan for the bridge, with an emphasis on developing architecturally integrated artwork. Working with the bridge architect, Donald MacDonald, they proposed a comprehensive design that featured an idea for aesthetic lighting that would make the bridge appear to breathe.

In 2010, volunteers with experience in the arts were recruited to represent their communities on a Public Art Advisory Committee (PAAC) that would help guide the new art program. A national Request for Qualifications was soon issued to which 225 artists responded, with an additional 50 applying for the Regional Emerging Artist shortlist. After an exhaustive review and succeeding rounds of elimination, the PAAC arrived at a list of artists assigned to specific major projects and a shortlist of artists to be considered for projects not yet defined.



The artists received orientation to the project and attended four resource sessions with over 50 participants who shared stories about their communities and expressed their hopes for the future. They also toured the alignment with neighborhood representatives and staff, surveying the physical characteristics of their given site and learning more about

the natural and cultural history of each area. From these experiences, additional meetings and personal research, the artists developed their initial proposals. They presented their concepts to the PAAC and, with approval, developed final designs. After numerous internal reviews, along with presentations to stakeholders and meetings with contractors, these designs were finally realized.

Eye catching, a game of small salutes

FROM ORANGE LINING. POEM BY PEG BUTLER

While most of the MAX Orange Line public art is comprised of individual pieces that help define a specific station, two artworks are "system-wide," providing an identity for the entire line. Buster Simpson and **Peg Butler** generated excitement for the new light rail project with Orange Lining: Art Starts Now, a temporary work that turned common construction material bright orange silt fencing—into a canvas for poetic phrases submitted by the public. These phrases were then stamped into new concrete sidewalks along the length of the line. Lynn Basa created a series of abstract paintings based on a notable aspect of each station area in her Journey Through Time. Working closely with

artisans at Bullseye Glass, her paintings were translated into glass mosaic tile and installed on the shelter columns at all but one of the ten stations. Basa's windscreen glass pattern, derived from natural forms in the flow of water and grain of wood, also appears at shelters throughout the MAX Orange Line.

Each of the ten stations, as well as several prominent locations in between, were the responsibility of individual commissioned artists or artist teams. **Elizabeth Conner** designed *Trio*, a cluster of three elegant sculptures across from the Lincoln St/SW 3rd Ave Station, in response to the modernist dynamism of the adjacent Halprin Fountain Sequence. **Jim Blashfield** used video technology and wry humor to chronicle the river and the surrounding



areas in *Flooded Data Machine*, four identical units installed on platforms at the two bridgehead stations.

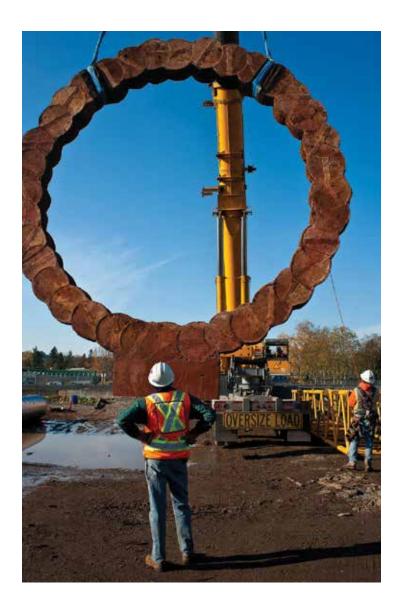
Tilikum Light: An Illuminating Conversation between a River and a Bridge, by Douglas Hollis and the late Anna Valentina Murch, takes real time data from the Willamette River and translates it into colorful lighting on the cables and piers of Tilikum Crossing. Below the bridge deck, curved abutment walls are activated by localized sound and the same programmed light as above. Chinook artist, Greg A. Robinson celebrates the stories and enduring presence of First Peoples along the river with We Have Always Lived Here, a three-part work of cast bronze and carved basalt that anchors each end of the bridge.

Matthew Passmore repurposed freight rail for his sculpture *Intersection* at the Clinton/SE 12 Ave Station in consideration of the many junctures, both real and figurative, that influence the site. For *Velosaurus*, Horatio Law transformed recycled bicycle parts into playful, prehistoric creatures which were embedded in the walls below the light rail bridge over SE Powell Boulevard. Bill Will set

his sculptural boats adrift along former tributaries, creating a *Passage* from one era to the next in the landscaping along SE 17th Avenue. **Anne Storrs** mimicked the branching rails of the freight trackway below the new Rhine-Lafayette Pedestrian Overcrossing in *Along These Lines*. On the wall surrounding the TriMet Bus Maintenance Facility, **Blaine Fontana** interpreted local transit history with his bold and colorful mural, *TRI IT*.



The revitalization of Crystal Springs was the inspiration for **Dana Lynn Louis'** multipart installation, *Crystallization*, at the SE Bybee Blvd Station. With a glowing cupola, light projections and etched glass, Louis created a fully immersive experience for passengers at the station.



Thomas Sayre earth-cast two monumental sculptures to mark the entrances to the Tacoma St Station. Titled *Kerf*, they speak to the area's early industry and the importance of equilibrium between humans and nature.



Brian Goldbloom carved *Threshold*, three highly detailed granite works for the Milwaukie/Main St Station, to emphasize the history of the site and its orientation between Kellogg Lake and downtown Milwaukie. Andre Caradec and Thom Faulders animated the underside of the Kellogg Light Rail Bridge with *Flow-Zone*, a dynamic installation based on patterns made by flocking animals. *Bower*, the landmark sculpture at the SE Park Ave Station, is Susan Zoccola's tribute to the environmental efforts of the community and its desire for an iconic gathering place.

Six artists who work with wood made artworks for the new section of the Trolley Trail built as part of the project between SE River Road and SE Park Avenue. Patrick Gracewood, Lee Imonen, Toby Johnson, Kula Design, Chris Papa and Hilary Pfeifer took trees removed from the area during construction and turned them into a diverse collection of sculptures ranging from traditional to abstract.

The MAX Orange Line public art brings meaning and visual character to each station area, enhancing the transit experience and contributing to the cultural vibrancy of our community. We are so proud to introduce this expression of TriMet's continued commitment to improving the quality of life in our region.

MARY PRIESTER,
PUBLIC ART PROGRAM MANAGER
MICHELLE TRAVER,
PUBLIC ART PROJECT MANAGER

We arrive together

FROM ORANGE LINING, POEM BY ELISABETH TSCHALAER

Station Map & Artwork Locations

KEY

Stations

Other Locations

System-wide

Buster Simpson and Peg Butler, Orange Lining: Art Starts Now and Impressed Concrete

Lynn Basa, Journey Through Time

- 1 Elizabeth Conner, Trio
- 2 Jim Blashfield, Flooded Data Machine
- Anna Valentina Murch and Douglas Hollis, Tilikum Light and Sonic Dish
- 4 Greg A. Robinson, We Have Always Lived Here
- 5 Matthew Passmore, Intersection
- 6 Horatio Hung-Yan Law, *Velosaurus*
- 7 Bill Will, Passage
- 8 Anne Storrs, Along These Lines
- 9) Blaine Fontana, TRI IT
- Dana Lynn Louis, Crystallization
- 11 Thomas Sayre, *Kerf*











System-wide

Buster Simpson and Peg Butler

Orange Lining: Art Starts Now and Impressed Concrete

Polypropylene, India ink and concrete

Orange Lining consists of two complementary projects that create conceptual and aesthetic continuity along the length of the MAX Orange Line. To begin, we drew upon Portland's ethic of civic engagement and creativity by extending a public call for short lines of text—50 characters or less—that reflected upon the nature of the new public transit project. Of the 1,100 submissions received, 102 were selected by a blind jury composed of a small group of local professional writers and us to be incorporated into the projects.

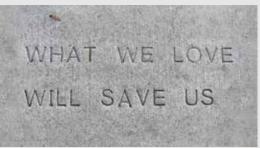
Our intention for both projects was to work with common construction materials and the skilled tradespeople responsible for building the new line. Art Starts Now used orange silt fencing as a surface for publishing the texts, assigning a dual function to this utilitarian material. The fencing was placed by construction crews wherever it was needed to control erosion during construction. For Impressed Concrete, a selection of these phrases was stamped into new concrete sidewalks at 122 locations along the finished 7.3 mile alignment. The temporal nature of the orange silt fence installation evolved into poetry set in concrete, becoming an enduring font of discoveries for MAX riders.

WRITING ADVISORY TEAM David Abel, David Oates, Lisa Radon

SPECIAL THANKS Stacy and Witbeck, Inc, especially Hailey Mason and Scott Gregson

Orange Lining Poems





More information at orangelining.net

FAINTEST ECHOES, THEIR WORDS WALKED HERE

NATURE, PART II

TO READ THE TRACKS TO NEED TO KNOW

-David Abel

CARRY THESE WORDS LIKE FOLD UP CHAIRS ACROSS TIME

-Frances Payne Adler

CROSS THE FREIGHT TRACKS LATTICE OF STEEL & LIGHT

DUSKY WAREHOUSES EYES SHUT BACKS TO THE RIVER

FREIGHT CARS CHUFFING ON THE LADDERED LANES

STEEL CABLES SOLDER THE SKY TO STAINED GLASS

THE OLD TREES SWEEP OUR WAY POUR OVER THE ASPHALT

-Ayelet Amittay

A HIGH WATER MARK STILL RINGS
THESE TREES

I SING THE ELECTRIC LINES CHARGED FULL WITH SOULS

PASS CAREFULLY BY LADD'S SPIDERWEB OF STREETS

THE COUNTY LINE IS NOT MARKED ON THE EARTH

-Tiel Aisha Ansari

I LEARNED ABOUT FAITH FROM THE BEND OF THE RIVER

MY STONE SKIN CHIPS AWAY AS HERONS BREEZE OVERHEAD

STONES STAND STEADY TO DULL THE BULLDOZER'S BLADE

WHEN THE COYOTES CRY YOU'LL HEAR THE CHINOOK WIND

-Mike Aspros

SO MANY HEARTS WHERE MY HEART NOW RIDES

-Lana Hechtman Ayers

PRIMERO Y PARA SIEMPRE EL ESPIRITU
DEL CAMINO

-Pedro Ferbel-Azcarate

SET YOUR BAGS DOWN FOR A FEW NIGHTS

-David Biespiel

SWOLLEN SWIRLING EDDIES CLAIM UNMOORED THOUGHTS

-Becca Biggs

INSERT TRAVELERS PROVERB HERE

-Olivia Blacklock

A HOST OF OAKS TILTING TOWARD RECOGNITION

SHE SNAPPED PHOTOS OF THINGS I COULDN'T SEE

THE RUFFLE OF A SCRUB JAY'S WINGS ON LANDING

-Jules Boykoff

COASTING OUR BOUNDARIES WE FOREVER RIDE THE LINE

-Jordan Brown

WE SLED DOWN THE BIG HILL TO DOVE STREET

—Tina Buettell

THE SUBTLE BUILDING OF A SMILE

CHOREOGRAPHY OF PLACE, LYRICAL ALIGNMENT

CIVILITY UNSPOKEN AS EACH STEP CONSIDERS THE OTHER

EYE CATCHING, A GAME OF SMALL SALUTES

GRAPEVINE RIGHT GRAPEVINE LEFT BACKWARD WALKS

KICK KICK TRIPLE STEP ACROSS POINT OLD STONES GOOD CITY BONES

SHE KNEW SHE WOULD GET THERE IN TIME

-Pea Butler

WILLAMETTE RIVER WHITTLED BY RIPRAP AND WAPATO

-Sara J. Call

INTO THE LILT SONG INTO THE FLASHES OF RED

STEEL ON STEEL RACING TO CATCH THE MELODY

THE RUT A THOUSAND HOOVES HAVE CUT

-Gregory Chaimov

BEHIND THE VEIL OF MORNING FOG MOUNT HOOD

-Margaret Chula

LOST IN THOUGHT, A JOLT A BUMP, A SMILE

-Kathleen Detaeye

BLACKBIRD'S RED SHOWS ONLY ON OPENED WINGS

ILLUMINATED WE FLOAT LIKE FINGERPRINTS ON GLASS

-Brigitte Goetze

BARN SWALLOWS FLYING TILT RHYTHM QUICK AND DIVING

THE SUN RETURNING THE SKY TO US

-Melanie Green

CLACKAMAS TO MULTNOMAH SHE STILL WATCHES OVER YOU

-Cindy Williams Gutierrez

EARTH AND SKY PRESS US LIKE LETTERS TO EACH OTHER

-Dinae E Horne

NEAR REED I SAW LONG AGO A POND WITH WHITE GEESE

-Margaret Krausse

ON THE ORANGE LINE ONE BLUE UMBRELLA LEFT BEHIND

ON TRAINS WE STAND SHOULDER TO SHOULDER

-M

AWAKE A THROB OF CRICKETS IT TAKES THE WEIGHT OF YOU

-Amy MacLennan

EVERY RUIN IS A THING WE HAVE MADE

-Jason Mashak

FRESH OUT OF THE TUNNEL LIGHT IS MILK AND HOLY WATER

-Amber T May

TWITTER CHERRY BLOSSOMS FACEBOOK RAINDROPS

WOULD YOU LIKE SOME TEA WITH YOUR RAIN

-Kunal Mehra

DOWNTOWN PORTLAND FACES SKETCHED FAST

-Wendy Moidel

DID YOU REMEMBER TO BRING YOURSELF ALONG

-Anatoly Molotkov

KNIT THE CITY BONES RIDE THE VEINS POETRY IS THE SOUL'S EROSION CONTROL

–J. Graham Murtauah

BLOOMING IN THE VALLEY, MY LITTLE DARK ROSE

EVERY DIRECTION LEADS US BACK AGAIN

-Casey Neill

A TREE IS MY UMBRELLA

—Helen Nighthawk

TOE POEM ARTISANAL TARSAL FARCE WHAT WE LOVE WILL SAVE US

-David Oates

JOURNEYS GIVE US NEW EYES TO SEE OUR WORLD ANEW

-Paulann Petersen

FAMILY TIES LACED IN OUR NEIGHBORS' SHOES

MUTUALLY WOVEN INTO ANOTHER'S CONSIDERATION

-Garret Potter

COSMOPOLIS STRETCHES OUT AN ARM

—Magdalen Powers

CLASS B CDL WITH P SAYS OK TO LRV TO SE PDX

-Andrew Quadri

WHERE ARE WE GOING TOGETHER

-Sandy Sampson

LEFT ALL I KNEW IN HINDSIGHT LONG FROM HOME

-Jessica Samuelsen

ATOP AN OPULENCE OF STICKS OSPREYS SPY THE RIVER

-Kaia Sand

THE STORY BEGINS AT THE CORNER

-Martha Sandstead

EVEN NOW THE HEART IS FLOWERING A WILD PATIENCE

EVERY DAY WE END UP POLISHED FROM A ROUGHER STONE

FENCE IS SIMPLE DIVISION INSISTENT AS SYLLABLES

USE PINK SKY TO IRON WATER

-Amy Schutzer

A SEED BLOWN THERE BY ACCIDENT YOU ARE THE ELEMENT OF SURPRISE

-Micki Selvitella

A RIVER, BLURRED IN THE DISTANCE

HER FACE AS SHE TURNS FROM THE WINDOW

LET THERE BE A NARROW MARGIN EMERGENT IN THE SAND

-Anne Elizabeth Shaw

WE WERE SHORTWAVE WE WERE WHAT ROVES

−B.T. Shaw

IN DAYDREAMS WHICH STRANGERS BECOME FRIENDS

SOME HAVE EVOLVED TO COMMUTE UPRIGHT SMILING

EVERYONE IS A LITTLE MORE FAMOUS ON A TRAIN

HERE JURIES OF MOSS AND LICHEN REST IN THE TREES

IN SPRINGTIME EVERYONE SECRETLY LOVES YOU

UNDER A ZIPPER OF BRIDGES OUR GREEN CITY THRUMS

—Scot Siegel

HONED IN MIND, WORN BY THE SOLE

IMPRESSED (Date)

ORANGE SILT FENCE CARBON BLACK BARRIER

-Buster Simpson

PULLING THOUGHTS OVER HOLLOWS WALKING TO THE RIVER

RIVER'S EBB INSCRIBED ON BRIDGE LEGS

-Charles F. Thielman

OCHER AND BLUE OUR SHADOWS SWIM THROUGH EACH OTHER

-Margaret Thomas

PEOPLE PULLER WHISPERS ALONG

—Quake Tornieri

I IMAGINE YOU AND HOW I BRUSHED BY YOU WITH WORDS

WE ARRIVE TOGETHER

-Elisabeth Tschalaer

A BRIDGE CHANGES SYSTEMS

-Annika Wang

A RIVER OF STRIPED STEEL, OF ROLLING GLASS

—Carol Weliky

CRAWLING IN DUST HOW HEAVY THESE FEET OF CLOUDS

-Laura Winter

I SEE MOONLIGHT RUSHING ON THIN RIVERS OF STEEL

-Gillian Zacharias

DAY TRAIL NIGHT VEIL LIGHT RAIL

-Jana Zvibleman

System-wide

Lynn Basa

Journey Through Time

Glass mosaic, etched glass

Sixty mosaic shelter columns placed at stations all along the MAX Orange Line, except for Milwaukie/Main St, tell the story of a journey from the gridded urban center of Portland to the green edge of Oak Grove. Locally-made, handcrafted glass on the columns brings a unifying element to the light rail line while each station has its own unique, site-specific design. I like to think of each station pattern as a chapter, giving an abstract hint into the history or geography of the nearby neighborhood.

The shelter windscreen glass is part of this story, with patterns derived from natural forms seen in the flow of water and in wood grain.



MOSAIC GLASS AND FABRICATION Bullseye Glass
MOSAIC CONSULTANT MOSAIKA Art and Design
MOSAIC INSTALLATION Schonert & Associates
GLASS ETCHING MOON Shadow Glass, Inc



Lincoln St/SW 3rd Ave Station—an abstract interpretation of a Lawrence Halprin drawing makes reference to his historically significant sequence of parks and fountains that borders the north edge of this station.



South Waterfront/SW Moody Ave Station—birch trees and their resemblance to DNA sequencing inspired this pattern at the site of OHSU's new Collaborative Life Sciences building.



OMSI/SE Water Ave Station—a tree bark pattern reflects the once dominant lumber industry in the colors of copper, one of the basic building blocks of computer technology.



Clinton St/SE 12th Ave Station—falling apples refer to the settler, Gideon Tibbetts, who staked a claim and planted an extensive orchard on land that is now the Hosford-Abernathy and Brooklyn neighborhoods.



SE 17th Ave & Rhine St Station—simplified boat shapes relate to Bill Will's sculptures along 17th Avenue and the small waterways for which the Brooklyn (Brook-Land) neighborhood was named.



SE 17th Ave & Holgate Blvd Station— roses represent Rose City Transit and honor the history of TriMet whose operations and bus maintenance facilities are served by this station.



SE Bybee Blvd Station—this floral effusion was inspired by the nearby Crystal Springs Rhododendron Garden.



SE Tacoma St/Johnson Creek Station—fish swim in blue waters like the salmon returning to the newly restored Johnson Creek.



SE Park Ave Station—leafy oak trees represent their namesake Oak Grove community.









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Lincoln St/SW 3rd Ave Station

Elizabeth Conner

Trio

Stainless steel and weathering steel

My concept for *Trio* was inspired by its location at the southern edge of the landmark series of public spaces known as the Halprin Fountain Sequence. In the mid-20th century, landscape architect Lawrence Halprin and his wife, dancer and choreographer Anna Halprin, collaborated on experiments in movement and design. As a young dance student in New York City in the early 1970s, I was inspired by the improvisational choreography of Anna Halprin and several of her students. *Trio* responds to the work of both Halprins, and reflects new rhythms at the place where quiet pedestrian passages emerge onto the bustle of Lincoln Street.

The three sculptures are still and silent, but they also appear to fold and unfold, becoming animated as you pass by. In their polished steel surfaces, you may glimpse reflections of moving vehicles and pedestrians, or notice shifts in color, light and shadow.

Trio's abstract forms are open to interpretation; they may evoke waiting figures, landscapes, or memories of trees and houses belonging to a lost neighborhood. In the 1960s, fifty-four South Portland blocks were destroyed, displacing 1500 Jewish and immigrant residents and businesses. The resulting "blank canvas" was transformed by Halprin into his well-loved fountains and plazas. The mixed emotions that often accompany change are embodied in *Trio*.

FABRICATION Fabrication Specialties Limited
ENGINEERING Paul Diedrich, GRID Engineers
SPECIAL THANKS Halprin Landscape Conservancy



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South Waterfront/SW Moody Ave and OMSI/SE Water Ave Stations

Jim Blashfield

Flooded Data Machine

Stainless steel, video

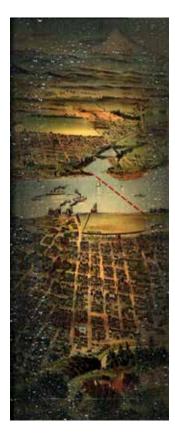
Flooded Data Machine consists of four duplicate "machines," two at each of the stations on either side of the Tilikum Crossing. The devices are designed to look like unassuming appliances, the kind we see every day, but without knowing what they do. This particular machine has a gauge near the top that periodically reports statistical information about the river. However, it seems to be experiencing some serious water damage. The gauge itself is partially submerged, and rivulets of water constantly stream down the inside of the enclosure. This might seem unfortunate, except that several times a day, if you happen to be there at the right moment, something strange begins to happen. Images begin to slowly metamorphose and percolate up from the dripping interior of the machine—images that are sometimes rational and sometimes hallucinatory and dreamlike—alluding to some of the many past and present identities of this part of the Willamette River and its adjacent shores. At these moments, if you look closely, brief clues may reveal themselves inside the gauge as well, encouraging further exploration.

COMPOSITING AND PROGRAMMING Zak Margolis
SYSTEM DESIGN SCOTT Wills
STRUCTURAL DESIGN AND ELECTRONICS INTEGRATION EK Miller Design, LLC
ENCLOSURE FABRICATION Landscape Forms









Flooded Data Machine, video stills

Tilikum Crossing, Bridge of the People

Anna Valentina Murch and Douglas Hollis

Tilikum Light: An Illuminating Conversation between a River and a Bridge

LED fixtures, stainless steel and ceramic tile

Tilikum Light is a dynamic environmental artwork that illuminates the Tilikum Crossing with a poetic interpretation of the Willamette River. We used specialized software to read real-time, United States Geological Survey data from the river, and translate it into a sequence of color and movement. The water temperature and speed of the river determine the base colors and control the pace at which the colors change and move across the cables and piers of the bridge. All this makes the bridge a "living" entity—not just a beautiful, static object.

We also designed two 10'x 20' parabolic sound dishes that are formed into the abutment walls at each end of the bridge. These oval forms are lined with stainless steel penny-round tile framed by the white tile surface of the larger curving walls. As people pass by on the riverside paths, ambient sound is focused in areas along the path, offering surprising moments of amplification. In the evening, the walls are animated by the same vibrant lighting as that on the bridge above.









Tilikum Light
DIGITAL ART AND PROGRAMMING MORGAN BARNARD
LIGHTING ENGINEERING Reyes Engineering, Inc
LIGHTING ASSISTANCE Hollywood Lights, Inc; ETC
INSTALLATION O'Neill Electric, Inc
PROJECT COORDINATION Kiewit Corp

Sonic Dish

DESIGN Donald MacDonald Architects

CONSTRUCTION Kiewit Corp

TILE FABRICATION Pratt & Larson Ceramics, Mohawk Metal

INSTALLATION Venice Genoa Tile, LLC



Tilikum Crossing, Bridge of the People

Greg A. Robinson

We Have Always Lived Here

Bronze and basalt

We Have Always Lived Here is comprised of three elements: two carved basalt columns and a large cast bronze medallion. Basalt carvings are an ancient tradition among the Chinookan peoples of the Columbia River. These welcoming figures stand as a permanent testimony to the peoples who thrived here before contact and are still here practicing their language and culture. Both stones show a Tayi, or headman, with his people represented below. A salamander, a high-status animal from the old stories, sits on top of the stones while other salamanders cascade down the sides. The colored stone is of higher status than the uncolored stone. Each is a different, living, entity.

The bronze medallion features symbols representing the five directions, earth and the heavens. The outer ring shows Coyote as he travels through the world making it ready for the new humans. He sets many rules and taboos for the new people, shown in the second ring, carrying the burden of the difficult rules. The inner circle is Morning Star with her children around her. The concentric circle arrangement is a common element in Columbia River Art.

FABRICATION ASSISTANCE Greg Archuleta

BRACKET FABRICATION Art and Design Works, LLC

SPECIAL THANKS The Confederated Tribes of Grand Ronde, Shriver Farms















Clinton St/SE 12th Ave Station

Matthew Passmore

Intersection

Steel

Intersection is a monumental steel sculpture that marks the entrance to the new Clinton Street Station. Constructed with decommissioned freight rail removed to make way for the light rail project, it makes both formal and material references to the history of the neighborhood, an area dramatically shaped by transportation infrastructure. The heavy steel is bent into seemingly impossible but familiar curves and arcs that resemble transit maps and railroad trackways.

The name refers to many different kinds of intersections: intersecting steel rails, the complex traffic intersection adjacent to the sculpture, the intersection of the Hosford-Abernathy and Brooklyn neighborhoods, and the intersection of local historical narratives, particularly those related to community organizing and sustainable transportation.

ENGINEERING Grummel Engineering, LLC FABRICATION Art & Design Works, LLC

Powell Blvd Light Rail Overpass

Horatio Hung-Yan Law

Velosaurus

Pigmented concrete and painted steel

I created *Velosaurus* for the retaining walls below the overpass as though it were an archeological excavation, uncovering a whimsical moment from an as yet undetermined era. The eight bas-relief panels are made of new and recycled bicycle and skateboard parts, arranged in colored concrete to resemble the skeletal remains of imaginary reptiles and dinosaurs. The Velosaurus is a fictitious species of dinosaur named for its bicycle-part skeletal structures. The lost creatures, the equivalents of Tyrannosaurus Rex, Apatosaurus, Triceratops, and Titanoboa are buried and frozen in time, while engaging in a fierce game of "turtle-ball." This re-imagining of natural history suggests that the origin of our current burgeoning green culture may lie in Portland's very distant past.



ENGINEERING Grummel Engineering, LLC FABRICATION Art & Design Works, LLC

USED BIKE PARTS DONATIONS Seven Corners Cycles, A Better Cycle, Sellwood Bike Commuter, Crank, Clever Cycle Works, Coventry Cycles

SPECIAL THANKS River City Bicycles; Citybikes; Keith, Marilee and Nils Tillstrom; HAND; and Brookyn Action Corps Neighborhood Association







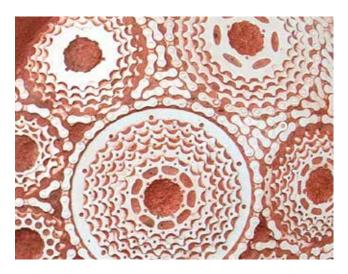




















SE 17th Ave Corridor: Rhine St and Holgate Blvd Stations

Bill Will

Passage Steel

Passage is an installation of 38 weathered steel rowboats inspired by the character and history of the Brooklyn neighborhood. In 1861, settler Gideon Tibbets called the area "Brook Land" because of the creeks that flowed into a stream near what is now 17th Avenue. I named the work Passage because this corridor has always been a passage: first as a wildlife trail to the Willamette River, and more recently as an important transportation link between north and south.

These simplified replicas of a classic sailing rowboat are embedded in the landscaping along 17th Avenue. Plants surround them like waves and several have tree "masts" growing from the center of their hulls. MAX riders will see the boats appearing to float along a one-mile stretch of the street between SE Powell and McLoughlin, suggesting a passage through time along a running stream.

ENGINEERING Grummel Engineering, LLC FABRICATION Art & Design Works, LLC





Anne Storrs

Along These Lines

Stainless steel and pigmented concrete

Along These Lines is a multi-part artwork I created for the landings on either side of the new pedestrian bridge. The bridge crosses the Union Pacific Railroad and allows people, including students from Cleveland High School, to travel between east and west sides of the Brooklyn neighborhood.

The idea for the piece came while I was standing on the old bridge and noticing the light reflecting off the rails; the branching lines made me think of travel and life's diverging paths. Building on the theme of branching, I designed a tree-like form for the west landing, constructed of eight pieces of steel that rise from the ground, run parallel and then cross like railroad tracks. Circling the tree form is an in-ground stainless steel ring with a site-specific poem, *Numen*, written by Paulann Petersen, Oregon's Poet Laureate from 2010–2014.

For the east side, I designed an in-ground medallion with the lines branching out in four directions. Surrounding the medallion is a poem, *Roots*, by student Monica Arnone, who composed it as part of my outreach with the English classes at Cleveland High.

ENGINEERING Grummel Engineering, LLC FABRICATION DRAWING DAVID Bales Design STEEL FABRICATION Art & Design Works, LLC STEEL ETCHING NW Etch Technology



NUMEN

Let me grow within
a tree's axis, my roots
looped firm into shale and silt.
I'll be half-rigid,
but as a tree's lower half
is rigid—roots fixed,
trunk upright, steady.
Only my branches will bend
and buckle in wind,
their leaves tossed to the ground
to be ground into duff.
Steeped into earth, they'll be
lifted by my roots
again—into leaves.

Give me a heart large enough to pump fallen rain up and up.
Let each leaf-finger of my thousandfold hands unfurl itself—green net to snare the sun.

PAULANN PETERSEN,
OREGON POET LAUREATE EMERITA

ROOTS

Grow up and find your way in the world.
Travel far, but return to your home, to rain and the rumble of trains.
Explore the earth and feel foreign soil beneath your feet. Hear other voices.
Crave your mother tongue.
You have seen the tips of leaves and swung on branches. Yet you return to your home. Your roots.

MONICA ARNONE, CLEVELAND HIGH SCHOOL, CLASS OF 2016















TriMet Bus Maintenance Facility

Blaine Fontana

TRI IT
Paint

TRI IT portrays TriMet's central role in local public transit history at the site where various transportation companies have served the public for over 100 years. Despite the predominant car culture, the region's transportation system has long been a beacon of pioneering spirit, inspiring the nation with its bicycle, pedestrian, streetcar, bus, and light rail connectivity.

The 1,250 square foot mural begins on the east end of the wall along SE Holgate Blvd, depicting the westward expansion that began before 1872, and moves forward in time. Each section graphically represents advances in Portland's transit system, featuring TriMet's marketing symbols, along with historic milestones and significant landmarks. The mural prominently identifies the Brooklyn neighborhood and ends with an image of the Tilikum Crossing around the corner on SE 17th Ave.

Like most of my murals, *TRI IT* is about making a positive impact and connecting people. When a piece can spark an ongoing dialogue, it brings pride and connection to a neighborhood. I hope *TRI IT* helps create a visual identity for Brooklyn that the community is proud to call its own.

ASSISTANCE Gage Hamilton, David Rice, Zach Yarrington





SE Bybee Blvd Station

Dana Lynn Louis

Crystallization

Screen-printed, painted, and etched glass, projected light

Crystallization is a multimedia installation inspired by Crystal Springs, a natural spring buried over time by development and gradually restored with such success that salmon have returned to nearby Reed Canyon. The installation incorporates a number of elements that feature drawings of crystalline structures, including etched glass on the elevator and windscreen glass throughout the station entrances.

Above the station headhouse, glass in the cupola features a photomontage that combines photography, painting and drawing to create a landscape representing the essence of Crystal Springs. The glass is made of three layers that have been screen-printed, hand-painted, etched and then laminated. At night it becomes a lantern and a beacon for the station, animated by interior motion lamps that give the water a sense of movement.

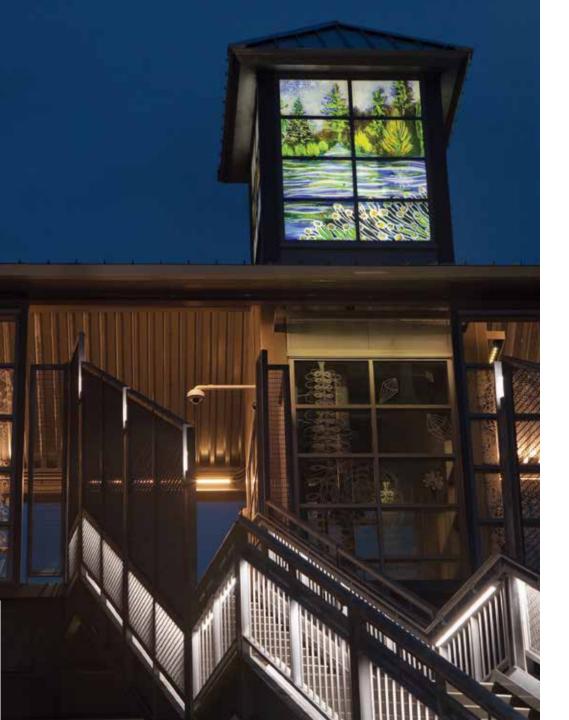
Several times a year, light on the elevator tower will vary in color, changing in concert with hand-drawn light projections on the platforms. These seasonal changes add a bit of magic to the experience of both passengers and passersby.

GLASS FABRICATION Peters Glasmalerei, Glass Strategies
GLASS ETCHING Moon Shadow Glass, Inc
ENGINEERING Grummel Engineering, LLC
LIGHTING Emily Stadulis, Hollywood Lights, Inc























SE Tacoma St/Johnson Creek Station

Thomas Sayre

Kerf

Pigmented concrete and dirt

Two earthcast sculptures entitled *Kerf** act as landmarks for the station and speak to the influence of wheels upon the area. In the late 19th century, water wheels on nearby Johnson Creek powered sawmills, furniture manufacturers and knitting mills. Freight trains and eventually automobiles further stimulated the growth of the adjacent communities. The sculptures are connected even more literally to the station locale through the earthcasting technique, which involves the use of molds carved directly into the local earth.

One wheel is reminiscent of a gear and the other of a saw blade. The scale of the piece is designed to be seen from all of the various modes of transportation which surround it. In its broadest terms, *Kerf* points to the delicate relationship between human-made and nature-made, of the balance between the built and natural worlds.

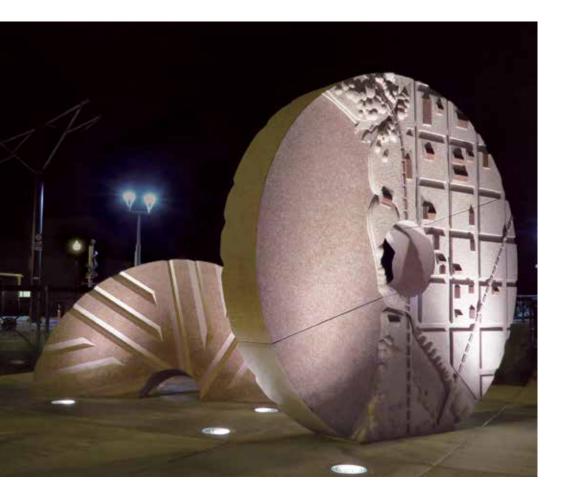
*Kerf is the term for the cut mark left by a blade or a trench left in the earth.

ENGINEERING Lysaght and Associates

EARTHCASTING Clearscapes, Inc

FABRICATION ASSISTANCE Brian Gualtieri, Brian Hutsebout,
Blaine Janus, Christian Karkow, Ricky Pearce





ENGINEERING Grummel Engineering, LLC CARVING ASSISTANCE Ben Mefford, Aaron Sylvester, Sam Nagmay

Milwaukie/Main St Station

Brian Goldbloom

Threshold

Carved granite

Threshold spans the length of the Milwaukie/Main St Station, with three pieces that take their cues from the site's history. The north end of the platform is in downtown Milwaukie, while the south end faces Kellogg Lake. The lake began as a natural creek before becoming a millpond for a large flour mill in the mid 1800s. Later, it was enjoyed for recreational use until around the mid-1950s when it began to decline. Now there are ongoing citizen efforts to restore its scenic integrity and healthy habitat.

A pair of carved granite millstones marks the station's north entrance and pays homage to that early mill. Carving on one stone suggests an imaginary satellite image of how downtown Milwaukie might have looked circa 1895.

On the platform, between the two ends of the station, the shelter appears to be held up by columns of oversized vine maples. Although the carved-granite trunks clearly refer to nature, each is composed of assembled sections, as evidence that the trees have been built rather than grown.

While the imagery of the north end evokes human endeavor, the south end speaks of nature. Here visitors cross a carved-granite wooden footbridge that spans a carved streambed in the stormwater planter. The streambed continues vertically down the retaining wall where water drops down the carved falls to the rocks below.

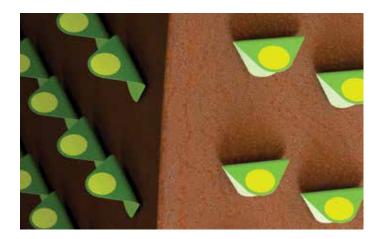


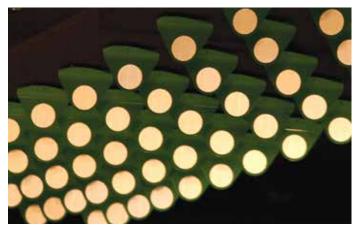














Kellogg Light Rail Bridge

Andre Caradec and Thom Faulders

Flow-Zone

Powdercoated aluminum and reflectors

Flow-Zone is an art installation on the underside of the new Kellogg Light Rail Bridge where it crosses over the Trolley Trail. Created as a way to activate the 1,700-foot-long Corten steel structure, the installation is composed of nearly 2000 bright green "botts" individually placed to form an intricate geometric pattern upon the bridge. The cumulative field enlivens the underside of the bridge, transforming the area into a more vibrant public space for local residents and passing commuters.

Inspired by the irregular formations of flocking birds and clouds, the 800-foot-long bott pattern visually pools and separates when viewed from different vantage points. Rather than conforming to the geometry of the structure, the pattern responds to the traffic flows on the multi-use Trolley Trail and roadways below. Round light reflectors fastened to each bott register the passing lights of cyclists and automobiles, illuminating *Flow-Zone* and creating a dynamic presence at night.

CREATIVE ASSISTANCE Andrei Hakhovich, Jessica Lisagor, William Meeker INSTALLATION Stacy and Witbeck, Inc



(14

SE Park Ave Station

Susan Zoccola

Bower

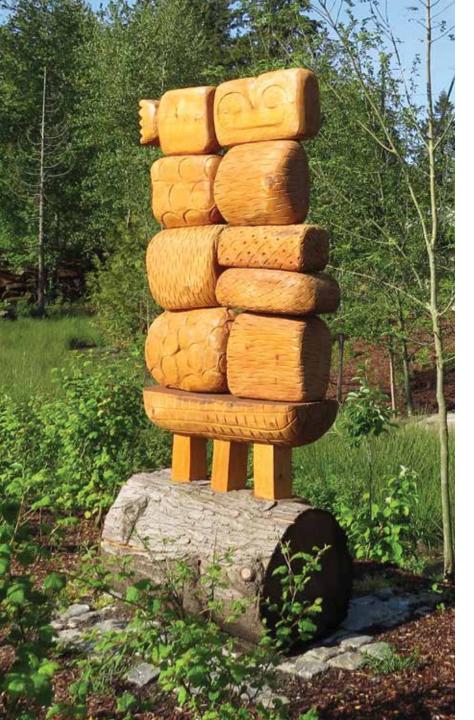
Painted and powdercoated steel

My sculpture was inspired by the people of Oak Grove and their commitment to a beautiful natural environment. Through meetings and visits with community members, I came to visualize a canopy of oak leaves floating over three tall arches that could act as a community gathering place. At a distance, the thirty-foot-high sculpture functions as an iconic focal point, while up-close, it invites lingering with space for public activities in and around it. Over-sized, laser-cut metal leaves shimmer in daylight and cast shadows on the plaza when it is sunny. At night, in-ground lights give the piece a glowing, welcoming appearance.

In honor of the area's historic native oak woodlands, a companion oak tree was planted that will eventually rival the scale of my sculpture. I hope *Bower* will be enjoyed for many years to come as it celebrates the community's continuing growth and vibrancy.

ENGINEERING Grummel Engineering, LLC
LIGHTING DESIGN Sidney Genette, Lighting Designs
3D RENDERING Matthew Waddington
FABRICATION Metalistics
PAINTING Long Painting
POWDERCOATING Seattle Powder Coat





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SE Park Ave Park & Ride

Hilary Pfeifer

Allogamy

Carved wood

Allogamy was carved from a single Western red cedar that once stood 100 feet from the present sculpture site. It consists of eleven stacked geometric forms reminiscent of the seeds, nuts and berries found in the area long before human settlement. The seed forms are intentionally blockish so they act as architectural components stacked to create the tower-like structure. The sculpture alludes to the urbanization of the valley and to the Fischer Pottery, once a popular stop along the former trolley line. From the 1880s through the early 20th century, Fischer produced brick and tile made from local clays.

The title, *Allogamy*, comes from a scientific term describing the concept of cross-fertilization of species, and honors the inspiring minds of the Youth Take Action class at New Urban High School in Oak Grove, where I was a guest instructor during the early design stages of this piece.

SPECIAL THANKS Fred Soelzer, Hal Pfeifer



Patrick Gracewood

To Grandmother's House

Carved wood, paint, weathering steel

I wanted to create an heroic sculpture of a woman full of the experience of a long life, well lived. *To Grandmother's House* honors older women, who help hold communities together through their work, their many relationships, their families and their hard-earned wisdom. The model for this figure was an elderly German woman I knew long ago. Does she remind you of someone you know?

This sculpture is a dialog of past, present and future. The wood is from a 75-year-old Atlas cedar tree grown along the old trolley line. After three years at my studio, it has returned to the site in its new role as art. The steel shelter is both house and tree and protects the carving from the weather. I hope *To Grandmother's House* inspires people to think about ways to live more closely with nature and to remember those who have gone before us.

ENGINEERING AND TECHNICAL ASSISTANCE David Bales Design METAL FABRICATION Howser Steel







Toby Johnson

Bear Catching Salmon

Chainsaw carved wood

Bear Catching Salmon was inspired by my love for hunting, fishing and the beauty of nature. I picked out a Sequoia from the trees marked for removal for its red color and long-lasting properties. I worked on the bear first, sketching the scene on a nine-foot section. I wanted to capture him in action, so I carved him climbing down a patch of rocks to swipe at a salmon. On the opposite side, I carved a beaver which is completely different from the bear both in size and character. The bear will hurry down the mountain without a thought while the beaver takes time to make sure his construction is done to perfection. The two animals balance out one another. The bench slabs were made from another local tree, milled to length and then the whole piece was coated with log oil so that it can be enjoyed for many years to come.









Hilary Pfeifer

Phylogeny

Carved and painted wood

Phylogeny ("Tree of Life") honors the animals that inhabited part of the Willamette Valley long before any human. At the south-facing base of the totem, a grizzly bear holds a hatchet. Above the bear is a black panther, an animal rumored to be living here at the time of the early pioneers. The panther holds a potato masher, a cooking tool that a pioneer woman may have found useful in the event she needed to protect herself from a panther. At the very top is a duck with a millstone motif carved into its belly. The duck sits on a brick, symbolic of the Fischer Pottery that produced building materials important to the early development of this area.

The north-facing side of the totem celebrates animals that have been human companions since the earliest settlement. At the bottom, a dog holds a hammer, and on its head sits a cat with a rolling pin. At the very top is a chicken on a brick with a saw blade motif. Observant eyes may spot the chicken footprint on the side of the brick, something one might also find on some of Milwaukie's oldest brick buildings.

FABRICATION ASSISTANCE Hal Pfeifer, Ivan McLean



Kula Design: Pasha and Kate Stinson

Flow

Wood and steel

Flow is about transformation and the interdependent relationship between humans and nature. Using two sequoia trees marked for removal along the Trolley Trail, we created a sculpture that is respectful of both community history and these wonderful old trees. Referring to one of the earliest sources of renewable energy, our stylized waterwheel is a tribute to the hard work of early settlers who converted the force of water into energy and, in a larger sense, helped drive future development.

We have sited *Flow* close to where the original sequoias were felled, underscoring the idea of connection and transformation. By juxtaposing unyielding steel and malleable wood with organic growth rings carved into geometric shapes, we hope to illustrate the idea of deliberate and natural forces combining to create something entirely new. After taking shape for two years in our studio, *Flow* has come back home along the Trolley Trail.





Chris Papa

Sewn

Wood and steel cable

Sewn is a synthesis of monolithic form and complex patterning. Its boxy, geometric shape is softened by flexible walls made of wooden panels joined together with steel cable. The panels were hand cut and then charred using a Japanese method of wood preservation so that they range in shade as well as shape. These individual pieces are joined to create a unified structure analogous to the meshwork of planning and happenstance of urban settlement that occurred along the 1893 Portland to Oregon City Trolley Line. It is an expression of the ways individuality and serendipity contribute to a community's vitality.

Just as early residents forged connections to the area by using available resources to build their homes and make their livings, the sculpture's wood, harvested on site, gives *Sewn* a physical connection to the neighborhood.







Lee Imonen

One Tree Trestle

Wood and steel

One Tree Trestle takes its form from the Union Pacific railroad trestle as it crosses Kellogg Lake. My intention was to link the ongoing narrative of the Trolley Trail and the role of the historical trolley line in the development of communities along its path. Of equal importance is the sculpture's complete re-purposing of a Douglas fir that grew along the trail as a means to relate to both the public and personal histories of this place. The sculpture serves as a record of nature's cycle of growth and change. It recognizes the history of the trolley and serves as a metaphorical bridge into the future as the community continues to grow and develop.

One Tree Trestle is part of my ongoing Source Series, where each sculpture is made from a single salvaged or windfall tree. One part of each log remains intact in its natural form, while the other half has been cut, sawn, constructed and reconfigured into an object that would typically be made from that wood. The challenge in creating the sculpture is to highlight the transformation of materials from one form into another. The series highlights our connection to the places we live and work, our dependence on natural materials and our need to balance our consumption of these resources.

ENGINEERING Catena Consulting Engineers



Acknowledgments

Infrastructure projects on a scale such as the MAX Orange Line require great vision, patient collaboration and boundless determination. We are grateful to the countless individuals who dedicated years of their lives planning, designing and building the MAX Orange Line. Their efforts have enriched the transit experience, better connected our cities and made our region stronger. While many of them are listed in the following pages, we are compelled to single out several groups here for their particular contributions to the MAX Orange Line Public Art Program.







So many hearts where my heart now rides

FROM ORANGE LINING, POEM BY LANA HECHTMAN AYERS

THANK YOU:

To the many community members—for stepping forward to share your knowledge and love of your neighborhoods. You have provided inspiration for artwork we hope you will be proud of for years to come.

To the members of the Public Art Advisory Committee—for hundreds of hours of thoughtful consideration, engaging discussions and your commitment to civic improvement. We deeply value our time together and the friendships made collaborating on this extraordinary endeavor.

To each and every artist—for sharing this lengthy, and often challenging, process with us and for producing such outstanding work. May it inspire creativity in our communities and foster a shared sense of humanity.

To the fabricators—particularly Jim Schmidt and Samantha Nagmay (Art & Design, LLC), Tom Jacobs (Bullseye Glass), and Bethany Major and Tim Roberts (Pratt & Larson)—for providing quality workmanship with enthusiasm and can-do spirit.

To the contractors—for completing the artists' visions with skill and professionalism: Stacy & Witbeck, Inc. especially Rob Cunnane, Sam Stone, Chip Hauser, John Weiner and the art installation crew; and the team who brought *Tilikum Light* into being: Kiewit's Aaron Beier and the ace electricians, Bert Klawa, Ryan Keene and Camilo Marquez.

To our architectural colleagues, Bob Hastings, indomitable shepherd of *Tilikum Light*, and above all, Michael Kiser for being the indispensable conduit between the technical and aesthetic aspects of the art projects. We honor your unwavering commitment to excellence, clear communication style and general ability to stay calm within the storm.

Lastly, we extend our gratitude to the leadership of TriMet and Capital Projects, especially Neil McFarlane, Dan Blocher, Rob Barnard, Leah Robbins and Ann Becklund. Without your consistent support and wise counsel the Public Art Program would not be nearly the triumph that it is.

MARY PRIESTER AND MICHELLE TRAVER



In Memoriam Anna Valentina Murch 1948-2014

Born in Scotland and educated in London. Anna Valentina Murch spent most of her career creating artwork and teaching in the Bay area. Anna was a placemaker who received many awards for her multi-sensory and nature-based installations. In 1988 she married her "soul mate" Douglas Hollis, an environmental artist, and the two of them collaborated on numerous projects throughout the US and Europe. We feel extremely fortunate to have commissioned Anna and Doug to develop artwork for the Tilikum Crossing. Their aesthetic light treatment and design for the abutment walls are powerful and poetic, reflective of the river and of the strong creative spirit that was Anna's.

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Interpretive panel at the Lincoln St/SW 3rd Ave Station by Mayer/Reed with assistance from the Halprin Landscape Conservancy highlights the Halprin Fountain Sequence.























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Timeline

1969

Oregon Legislature enables formation of public transit districts. TriMet is formed and takes over Rose City transit.

1974

Local governments block expansion of I-205 and the Mt Hood Freeway. Portland Metro region decides to invest in high capacity transit.

1977

The 22-block downtown Portland transit mall opens improving bus operations and service downtown.

1979-83

Preliminary studies of Westside MAX Blue Line begin.

1983

I-205 completed, with a dedicated transitway along a portion of the freeway.

1982-86

The 15-mile Banfield Light Rail/ Eastside MAX Blue Line from downtown Portland to Gresham is constructed.

1993-98

The 18-mile Westside MAX is constructed from downtown Portland to downtown Hillsboro.

1997

TriMet adopts a Percent for Art policy.

Every day we end up polished from a rougher stone

FROM ORANGE LINING, POEM BY AMY SCHUTZER







1998

An Oregon-only South/North project funding ballot fails in the region, but is supported within the city of Portland

1999-2001

The Airport MAX Red Line, a 5.5 mile light rail extension is constructed from Gateway to PDX in a unique public/private partnership.

2000-04

The 5.8 mile Interstate MAX Yellow Line serving North and Northeast Portland is constructed.

2003

Metro region decides to proceed with a two-phased South Corridor light rail program including I-205/ Portland Mall and Portland-Milwaukie segments.

2007-09

The 8.3 mile MAX Green Line is constructed bringing service to Clackamas County via I-205 and the transitway set aside in the 1970's, and creating a northsouth alignment in downtown Portland.

2008

Metro region chooses bridge location and project terminus and moves forward with the Portland-Milwaukie Light Rail Transit Project (PMLR.)

2011-2015

PMLR/MAX Orange Line is constructed beginning with the Tilikum Crossing, Bridge of the People.

2015

The 7.3 mile MAX Orange Line opens on time and under budget.



Under a zipper of bridges our green city thrums

FROM ORANGE LINING, POEM BY SCOT SIEGAL























