

UPDATE

SUMMER 2011

Green Street facilities manage stormwater runoff as a resource rather than a waste. Green Streets are landscaped streetside planters or swales that capture stormwater runoff and allow it to soak into the ground as soil and vegetation filter pollutants. This replenishes groundwater supplies that feed fresh, cool water to rivers and streams. Green Streets also make attractive streetscapes that connect business districts, neighborhoods, parks and schools, and they can be designed to accommodate the diverse traffic needs of cars, trucks, pedestrians and bicyclists.



ENVIRONMENTAL SERVICES
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SE Clay Green Street Project

Environmental Services has completed designing the SE Clay Green Street Project from SE 9th to SE 10th avenues and will begin project design this summer for the SE 8th Avenue to Water Avenue portion of the project. Construction will begin in summer 2012. SE 11th and 12th and Clay Street intersections have already been completed.

Route to the River

Residents of Portland's inner eastside have long sought improved and safer connections to the Willamette River from the outlying neighborhoods. SE Clay Street is a primary Route to the River for inner eastside neighborhoods. The SE Clay Green Street Project is a multi-block project that will enhance the corridor and complement existing green amenities along the Eastbank Esplanade.



A key part of this project is developing green street facilities along the route. Green streets use landscaping to capture stormwater runoff and allow it to soak into the ground as plants and soil filter pollutants.

Community Design Plan

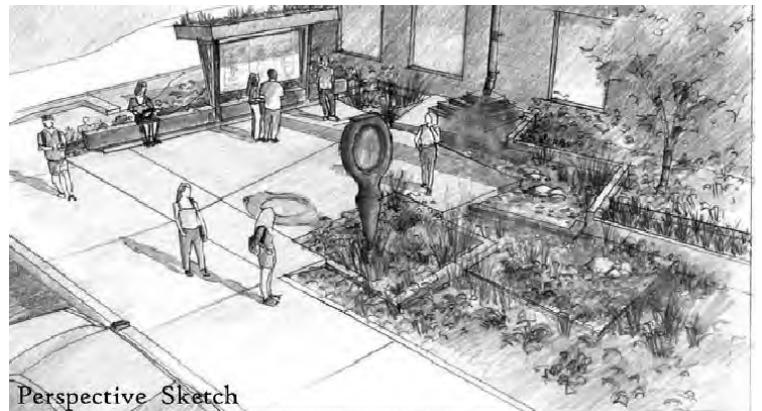
Environmental Services worked with artist Linda Wysong and the community to develop a design plan that creates a unique identity and recognizes the history of the area for the route along SE Clay Street from SE Water Avenue to SE 12th street. The city held two community involvement workshops in winter and spring 2010. The final report summarizing the design plan is available at www.portlandonline.com/bes/greenstreets.



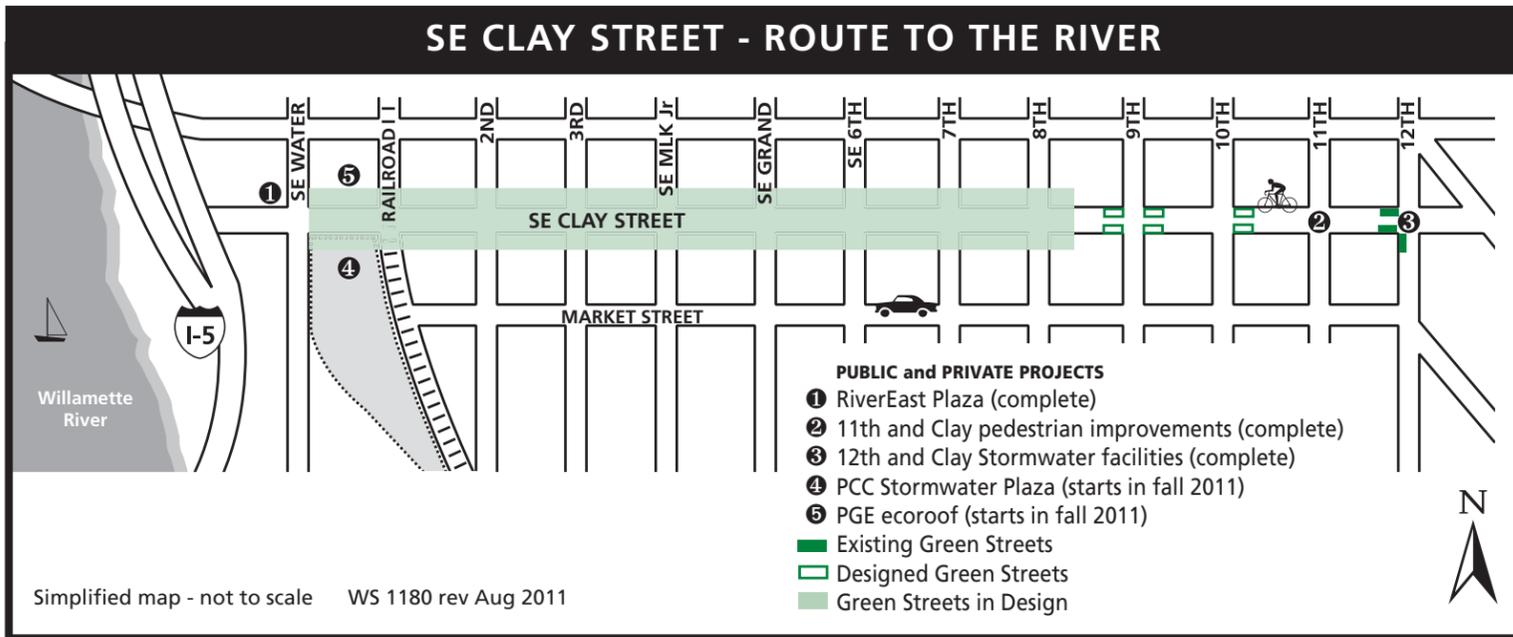
Mold of the Eye River sculpture that will be 6 feet tall and made of steel.

Stormwater Education Plaza

Environmental Services and Portland Community College (PCC) are creating an innovative stormwater showcase on PCC's central campus at SE Water Avenue and SE Clay Street. The project will exhibit stormwater management technologies and provide public information about green streets and stormwater management.



Perspective Sketch



SE 11th and Clay Intersection

In 2009, Portland Bureau of Transportation (PBOT) has installed a new type of curb on the two west corners and curb extensions with ramps on the east corners at the SE 11th and Clay intersection. The project, funded by an East Side Big Pipe Community Benefit Opportunity Program grant, slows vehicle traffic but doesn't impede truck turning movements. The project includes new crosswalks for pedestrian and bicycle safety, eight-foot long bike stop bars in the intersection and new bike racks on the northeast corner.



SE 12th and Clay

The city installed three landscaped curb extensions in 2008 at SE 12th and Clay, along with a striped crosswalk, bike lane striping, and bike racks.



Truck Turning

The design includes bringing SE Clay Street up to current standards to accommodate truck turning movements.

Loss of Parking

The project will eliminate some on-street parking spaces in the Central Eastside Industrial District. Environmental Services is working with the Portland Bureau of Transportation (PBOT), the neighborhood, businesses, and stakeholders to minimize the number of lost spaces.



Sharrows

Sharrows are shorthand for "shared lane pavement markers." PBOT has installed pavement markings along SE Clay Street to indicate shared lanes for automobiles and bicycles. The Portland Development Commission (PDC) funded the sharrows.

Portland General Electric (PGE) Ecoroof

In fall 2011, PGE will design an ecoroof for the PGE building at SE Clay Street and Water Avenue. PSU students will monitor the roof, including temperature changes, before and after ecoroof installation. This will be a highly visible ecoroof project that will complement the SE Clay Green Street project.

Ecoroofs are living, vegetated roof systems that manage stormwater by capturing rain to reduce the amount of stormwater that flows from roofs to the sewer system or streams. Ecoroofs



Ecoroof systems capture runoff before it flows to sewer system.

also cool and clean air, provide habitat, conserve energy and save money.



Street Trees

In April 2009, Environmental Services and the PDC funded a Friends of Trees project to plant 27 street trees along SE Clay Street between SE 7th Avenue and SE 12th Avenue.

Street trees add character to neighborhoods, improve property values, and calm traffic; making busy streets safer. Neighborhoods shaded by trees are cooler and have cleaner air. Trees protect watershed health by absorbing rain on site.



Signalized Intersections

In June 2009, the PDC funded an upgraded crossing signal at SE 7th and Clay that now has an audible, countdown signal.

For difficult intersections, the city sometimes installs an audible pedestrian signal that sounds when the walk light is lit. Pedestrians hold the push button down for two seconds to activate the audible feature.



Crossing signals at MLK and Grand are next in line for upgrades as part of the Portland Street Car Project.

For More Information

Call: Debbie Caselton at 503-823-2831

Printed Updates: will be mailed regularly

Emailed Updates: send your email address to Debbie.Caselton@portlandoregon.gov

Online: information at www.portlandonline.com/bes/greestreets