

ORDINANCE No.

Authorize a competitive solicitation and contract with the lowest responsible bidder and provide payment for construction of the Stark and Buckman East Reconstruction and Green Street Project, No. E10216, for an estimated cost of \$23,837,000 (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

1. The Bureau of Environmental Services (BES) needs to replace 11,416 linear feet of combined sewer pipes due to insufficient capacity, rehabilitate approximately 2,922 linear feet of sewers using cured-in-place methods and re-build 8,669 linear feet of deteriorated sewer pipes in southeast Portland. In addition, 480 sewer service laterals will be replaced.
2. The Bureau of Environmental Services Engineering Staff has prepared plans and specifications for rehabilitating the deteriorated and undersized sewer pipes and laterals, as well as building new Green Street Facilities and required ADA ramps.
3. The estimated cost is \$23,837,000. The level of confidence in the estimate is high. Funds are available in the Bureau of Environmental Services FY 2020-21 Operating Fund Budget under WBS Element E10216.C60.

NOW, THEREFORE, the Council directs:

- a. The Chief Procurement Officer to facilitate the use of the competitive solicitation process in accordance with the City Code for the procurement of construction services for the Stark and Buckman East Reconstruction and Green Street project.
- b. Upon the Council's acceptance of the Chief Procurement Officer's report recommending the lowest responsible bidder, the Chief Procurement Officer is authorized to negotiate and execute a contract, provided the contract has been approved as to form by the City Attorney's office, with the lowest responsive bidder for the purposes described in Section 1.
- c. The Mayor and City Auditor are hereby authorized to pay for the contract from the Sewer System Operating Fund Budget when demand is presented and approved by the proper authority.

Passed by the Council:
Commissioner Mingus Mapps

Prepared by: Joe Dvorak,
P.E. Date prepared:
11/30/2020
Cost object – E11005.C60

Mary Hull Caballero
Auditor of the City of Portland
By

Deputy

Engineer's Estimate Checklist for Optimal Confidence

Project Name/Number: Stark and Buckman East Reconstruction and Green Street Engineer Eric Brennecke
 Level of Effort to prepare this estimate: Optimal
 Items included in this estimate: See Bid Form
 Items excluded in this estimate: -

<u>Project Scope</u>	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Is the project scope clearly understood and well defined?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are pay items identified according to project Specifications?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are materials and quantities accurate for execution of the job?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the extent of street resurfacing understood and accounted for?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is utility coordination and/or relocation, and potential project delay, understood and accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are environmental and soil conditions understood, and are the extent and methods of any required disposal accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has Traffic Control been estimated according to project-specific conditions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are project-specific mobilization costs understood and accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have known extra work items, or force account items, been accounted for?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: _____			

<u>Project Schedule</u>	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Have availability and delivery time of important materials and equipment been checked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has the contract time been determined with/by the Construction Manager?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have contract time cost impacts been accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have construction season cost impacts been accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are schedule constraints and/or schedule acceleration requirements understood, well defined, and accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have unusual work time requirements (i.e. 24-hr work or limited street closure times) been accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: _____			

<u>Quality Assurance</u>	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Are quantity take-off calculations and back-up information documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are unit prices verified with vendors and sources documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are historical unit costs adjusted (to midpoint of construction) from projects of similar scale, similar site and similar construction conditions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have non-standard items been estimated "bottom up"?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is a contingency in this estimate? If so, describe: <u>15% Contingency Added</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are "plug" estimates used? If so, describe: _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Was this estimate checked? (quantities and costs)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: _____			

<u>Bidding Environment</u>	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Is this project directed to the sheltered market and is this accounted for in this estimate?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the time/season of advertising been factored into this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are circumstances known that would limit the bidding pool and is this accounted for?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: _____			

<u>Implementation Procedures for Capital Projects</u>	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Does the project construction estimate agree with the current budget?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If "No", has a Trend Alert been prepared?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: <u>SSBCR to describe proposed budget</u>			

IMPACT STATEMENT

Legislation title: Authorize a competitive solicitation and contract with the lowest responsible bidder and provide payment for construction of the Stark and Buckman East Reconstruction and Green Street Project, No. E10216, for an estimated cost of \$23,837,000 (Ordinance)

Contact name: Joe Dvorak, P.E.

Contact phone: 503-823-5271

Presenter name: Eric Brennecke, P.E.

Purpose of proposed legislation and background information:

The Stark and Buckman East Reconstruction and Green Street project is a part of BES' Maintenance and Reliability Sewer Program and Neighborhood to the River Program (NTR). The Maintenance and Reliability program aims to rehabilitate or replace severely deteriorated sewer pipes, manholes, service laterals, and inlet pipes throughout the City's sewer system and restore service life as economically and efficiently as possible. The NTR program goals are to relieve undersized sewer pipes from surcharging and filling basements and to treat some of the storm water with Green Infrastructure methods, while avoiding having to replace sewers which are not yet deteriorated. During this project, approximately 23,077 feet of deteriorated or undersized sewer pipes will be rehabilitated or replaced, and 71 vegetated stormwater facilities will be built.

Financial and budgetary impacts:

This project is part of BES' Maintenance and Reliability CIP Sewer Program, which is funded through FY 2020-21, FY 2021-22, FY 2022-23. The proposed project estimate has been assigned a high confidence level.

This project will neither generate nor reduce current or future revenue. No new City positions will be created.

Community impacts and community involvement:

Environmental Service's Stark and Buckman East Reconstruction and Green Street project is known to the public as the Buckman-Kerns Green Street and Sewer Project. This project will repair or replace over four miles of public sewer pipe that are on average over 100 years old and in deteriorated condition, or too small for the area. The project will also include 71 green street planters for a total of 15,600 square feet of treatment area; 9,500 linear feet of service laterals to 480 properties of sewer pipe replacement to the curb line; 106 curb ramps updated to meet ADA requirements including 80 individual ramps and 26 that will be modified adjacent to new green street planters; over 150 manholes and 240 inlets to capture surface runoff.

This project is predominately located in the Buckman and Kerns neighborhoods, bound by SE Hawthorne Blvd to the south, SE 32nd/NE 32nd to the east, NE Everett Street to the north and SE 14th to the west. Much of the work is within the residential neighborhoods, but there are several business districts that will be impacted as well. There are two official districts, which include the Belmont District and Hawthorne Boulevard Business Association, and several other business areas, including SE Morrison St between 15th and 20th, NE 28th Avenue between Everett and Burnside, East Burnside between 24th and 32nd, pockets of businesses along SE Ankeny at 28th, 24th, and 22nd.

In addition to residents and businesses, this project impacts the areas adjacent to Colonel Summers Park, Lone Fir Cemetery, Hinson Memorial Baptist Church, Central Catholic High School, Buckman Elementary, da Vinci Middle School, Coca-Cola North America, and Pacific Crest Community School.

Below is a table of demographic information from the 2010 Census:

	Buckman	Kerns
POPULATION BY AGE	88.5% (7,497) 18 to 64 years; 7.5% under 18 years with median age of 31.9 years old.	86.1% (4,600) 18 to 64 years; 7.8% under 18 years with median age of 33.3 years old.
POPULATION BY RACE	84.4% white alone, 5.8% Hispanic or Latino, 2.3% Black or African American alone, 2.6% Asian alone, and 3.5% two or more races.	84% white alone, 6.5% Hispanic or Latino, 2.4% Black or African American alone, 2.5% Asian alone, and 3.3% two or more races.
HOUSING (OWN/RENT)	16.1% owner occupied and 83.9% renter occupied.	21% owner occupied and 79% renter occupied.

Beginning in April 2019, Environmental Services has conducted extensive community outreach and public involvement regarding the goals of the project, investigative activities during the design phase such as soil sampling and utility location, night work, and adjacent property owner interaction regarding the green street planters. Outreach has included:

- Develop and maintain the project webpage.
- Project updates and newsletters to 8,042 property owners, renters, businesses, and public and private agencies.
- Email updates to the project email list currently with 173 recipients – Email updates also posted to Buckman and Kerns NextDoor.com lists totaling 6334 residents.
- Focused outreach regarding night work to 369 property owners and occupants living within a two-block radius of night work locations.
- Public presentations to Buckman Community Association, Kerns Neighborhood Association, Hawthorne Boulevard Business Association, and to the general public via two public meetings, and one virtual open house.
- Focused outreach to property owners to coordinate stormwater work adjacent to their property as well as property owners who may have work on private property.

Debbie Caselton, Environmental Services, has been the contact for Community Outreach and Public Involvement throughout design and will remain the contact throughout construction, as well as Ning Jiang, Environmental Services as support, and April Hasson and Travis Ruhmor, from JLA Public Involvement.

100% Renewable Goal:

- This project will neither increase or decrease the City’s total energy use.
- This project neither contributes nor takes away from the City’s goal of meeting 100 percent of community-wide energy needs with renewable energy by 2050.

Budgetary Impact Worksheet

Does this action change appropriations?

- YES:** Please complete the information below.
- NO:** Skip this section

Fund	Fund Center	Commitment Item	Functional Area	Funded Program	Grant	Sponsored Program	Amount