

Engineer's Estimate Checklist for Optimal ConfidenceProject Name/Number: E10368 – Sunnyside/Ladd's SouthEngineer: Tressie Word, PELevel of Effort to prepare this estimate: HighItems included in this estimate: See bid formItems excluded in this estimate: PBOT ADA ramp reimbursements, PWB relocation cost share items**Project Scope**

	<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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments:			

Project Schedule

	<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:			

Quality Assurance

	<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%</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:			

Bidding Environment

	<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:			

Implementation Procedures for Capital Projects

	<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>CIPAC scheduled for 3/10/2021, followed by SSBCR</u>			

IMPACT STATEMENT

Legislation title: Authorize a competitive solicitation and contract with the lowest responsible bidder and provide payment for construction of the Sunnyside South/Ladd's South Reconstruction and Green Streets Project No. E10368 for an estimated cost of \$10,330,000 (Ordinance)

Contact name: Joe Dvorak, P.E.

Contact phone: 503-823-5271

Presenter name: Joe Dvorak, P.E. and Ronda Fast

Purpose of proposed legislation and background information:

- This project is 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.
- Project objectives are to reduce predicted overloading of the sewer system, decrease basement sewer backup risk, and address non-conforming sewers and ADA ramps in the project area. To accomplish this, the project will reconstruct about 11,700 linear feet of pipe segments that are undersized or in poor condition, construct 58 green streets to improve system capacity, construct or rehabilitate 180 service laterals, provide 55 service extensions and install 75 ADA ramps to improve pedestrian sidewalk access.
- This legislation supports City policies of CIP Asset Management and the BES watershed approach.

Financial and budgetary impacts:

- This legislation authorizes a contract and allows payment for project with an estimated cost of \$10,330,000. Funds are available in the FY 21-22 through FY 23-24 Capital Improvement Program
- No changes to the BES budget are required.
- The level on confidence for the construction cost estimate is high.
- This project will neither generate or reduce current or future revenue.
- No new City positions will be created.

Community impacts and community involvement:

Environmental Service's Sunnyside South and Ladd's Green Street and Sewer Project will repair or replace 11,700 feet of public sewer pipe that are on average over 100 years old, in deteriorated condition, and too small for the area.

The project area includes work in the Sunnyside and Hosford-Abernethy neighborhoods. The project area in the Sunnyside Neighborhood is roughly bordered by SE Yamhill Street to the north, SE Hawthorne Boulevard to the south, SE 28th Avenue to the west, and SE 41st Avenue to the east.

The project area in the Hosford-Abernethy Neighborhood District is in the southern portion of Ladd's Addition. It is roughly bordered between SE 12th and 20th avenues, SE Division Street to the south, and Mulberry and Locust to the north. There are two different elementary schools that are in the construction area—Sunnyside School and Abernethy Elementary. Most of the impacted areas are residential. A portion of the Sunnyside South Sewer Project on SE Hawthorne Boulevard was completed in summer 2020 to take advantage of the Stay-at-Home Order due to COVID-19, and to

stay out of the way of a large paving/restriping project by PBOT tentatively scheduled for summer 2021. SE Hawthorne Boulevard has a thriving business district and they were very appreciative to have this work completed during a majority of their downtime.

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

	Sunnyside	Hosford-Abernethy
POPULATION BY AGE	Median Age: 34 8% over 65	Median Age: 35.4 7.2% over 65
POPULATION BY RACE	86.3% white; 5.1% Hispanic; 1% Black; 3.5% Asian	86.2% white; 3.7% Hispanic; 0.9% Black; 5.1% Asian
HOUSING (OWN/RENT)	36.9% owner occupied; 63.1% renter occupied	52.7% owner occupied; 47.3% renter occupied
HOUSEHOLDS	32.8% family household; 67.2% non-family household	43% family household; 57% non-family household

Since May 2017, 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, green street locations and planting plans, and what to expect during construction. Internally, the project is under one contract, but to the public it is two separate projects. Outreach has included:

- Develop and maintain two project webpages.
- Project updates mailed to 3,082 property owners, renters, businesses, and public and private agencies.
- Email updates to the project email list currently with 248 recipients – Email updates also posted to Sunnyside and Ladd's Addition Nextdoor.com lists totaling 5,794 recipients.
- Public presentations to Sunnyside, Richmond, and Hosford-Abernethy neighborhoods.
- Public presentation to the Hawthorne Boulevard Business Association.
- Situational email, mail, and phone correspondence to answer community questions, take input, and address concerns.

Environmental Services' project information is available in multiple languages online. Fliers communicating what to expect during construction have been translated into 11 different languages. Community Outreach and Public Involvement staff have worked closely during the design with the Non-Conforming Sewers Outreach staff, and the Neighborhood to the River (N2R) Community Engagement staff. This includes the Private Property Retrofit Program (PPRP) and the Education, Community Outreach, Public Involvement Program (ECOPIP).

Debbie Caselton, Environmental Services, has been the Lead Community Outreach and Public Involvement staff throughout design and will remain the contact throughout construction.

100% Renewable Goal:

- This project will neither increase nor decrease the City's total energy use.
- The project will neither contribute nor take 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