

working for clean rivers



Columbia Boulevard Wastewater Treatment Plant Blower System and Building Improvements Project

Council Item 905

Bhargavi Ambadkar, P.E.
Division Manager

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Project Manager

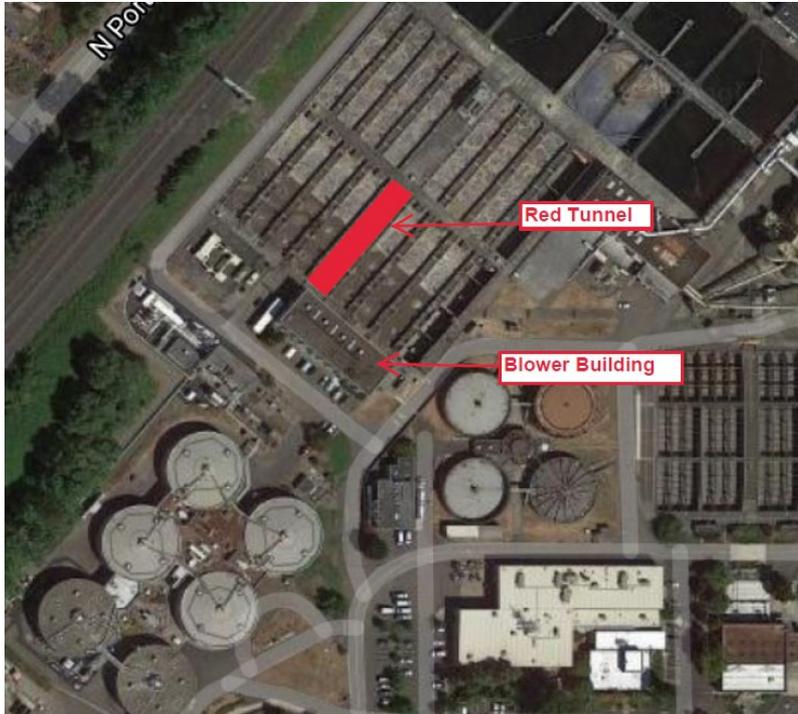


ENVIRONMENTAL SERVICES
CITY OF PORTLAND

MINGUS MAPPS, COMMISSIONER
MICHAEL JORDAN, DIRECTOR

12/15/2021

Project Location



CBWTP Aerial View

Blower Building



Project Background



Blower Building Interior

Red Tunnel



**Aeration
Basin**



Problems with Existing Blower System

1. Age and functionality of system
2. Ducting leaks and single point of failure
3. Need roof replacement and seismic upgrades



Distribution System Single point of Failure

Deteriorated Roof



Project Objectives

1. Optimized blower and aeration performance.
2. Cost effective seismic upgrades.
3. New roof.
4. Upgrade Control Room.



Original Electrical Gear

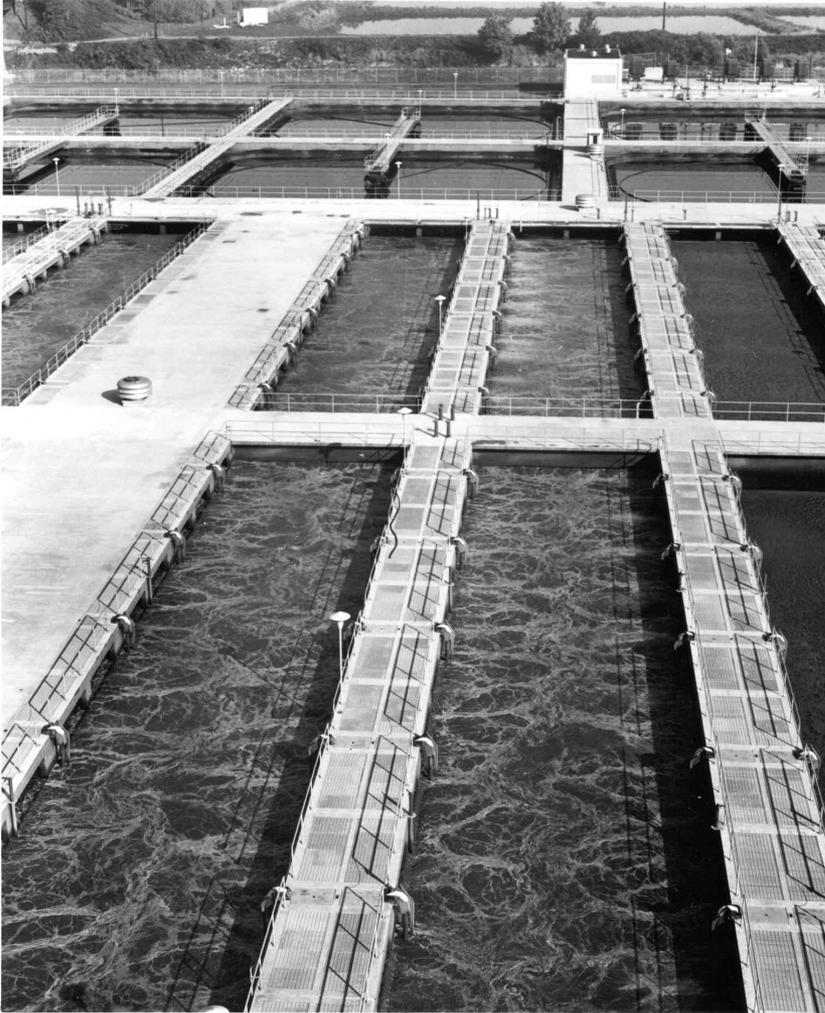


PTE Contract and Future Council Action

- Carollo Engineers Inc. was selected in accordance with City Code 5.68—Negotiated fee \$4,374,679. High Confidence.
- COBID participation in this contract is 42.9%. The Minority Owned Business and Women Owned Business participation is 39.9%.
- Total project Cost Estimated at \$20 Million—Majority Construction
- Anticipated Council Action: 2024 Authorize Construction Solicitation
- Construction Anticipated to Start in 2025



Questions



Thank you



PTE Contract and COBID Participation

- Carollo Engineers Inc.--Negotiated fee \$4,374,679

COBID CERTIFIED SUBCONSULTANT	CERTIFICATION	AREA OF WORK	OWNERSHIP	AMOUNT
Concise Communications, Inc.	MBE/WBE/ DBE/ESB	Technical Writing	Female/ Asian Pacific	\$8,170
NNA Landscape Architecture, LLC	MBE/DBE/ESB	Eco-roof/ Landscape Architecture	Male/ Asian Pacific	\$49,580
Elcon Associates, Inc.	MBE/DBE	Electrical Instrumentation	Male/ Asian Pacific	\$877,252
Emerio Design, LLC	MBE/DBE		Male/ Subcontinent Asian	\$48,195
SEFT Consulting Group, LLC	MBE/ESB	Structural/ Resiliency	Male/ Asian Pacific	\$297,417
The Formation Lab	WBE/DBE/ESB	D/M/W/SDV/ESB Coordinator, Equity Lead	Female/ Asian Pacific	\$45,355
Perimon Group, LLC	WBE/ESB	Project CD Lead and Process Mechanical Drafting	Female/ Caucasian	\$175,638
The Greenbusch Group, Inc.	WBE	Building Mechanical (HVAC/Plumbing)	Female/ Caucasian	\$243,150
Strongwork Architecture, LLC	ESB	Building Architecture	Male/ Caucasian	\$131,998
			Total	\$1,876,755

