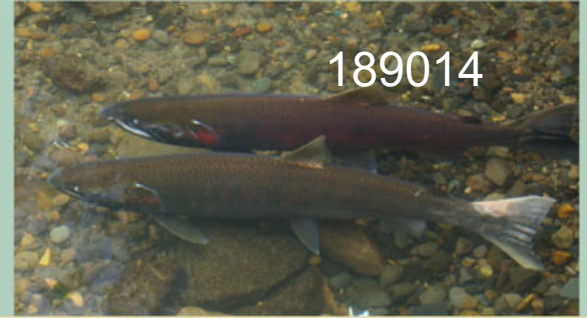


working for clean rivers

**Authorize contract with CDM Smith Inc. to provide engineering services
for the Columbia Boulevard Wastewater Treatment Plant Headworks
Screening Improvements Project
Council Item 599**



**ENVIRONMENTAL SERVICES
CITY OF PORTLAND**

NICK FISH, COMMISSIONER
MICHAEL JORDAN, DIRECTOR

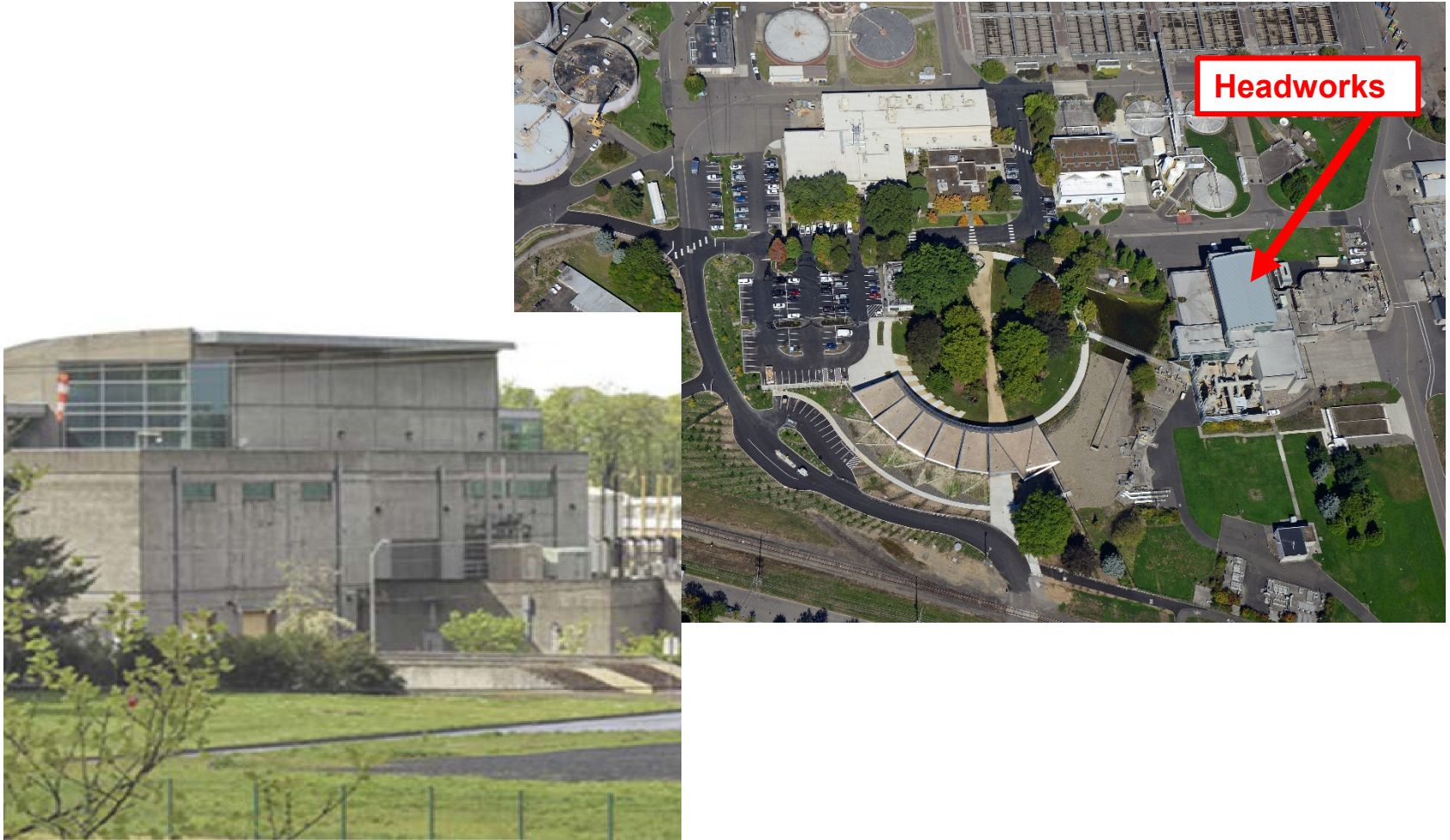
Chris Selker, P.E.
Project Manager

BES Project Number E10805

June 6, 2018



Project Location



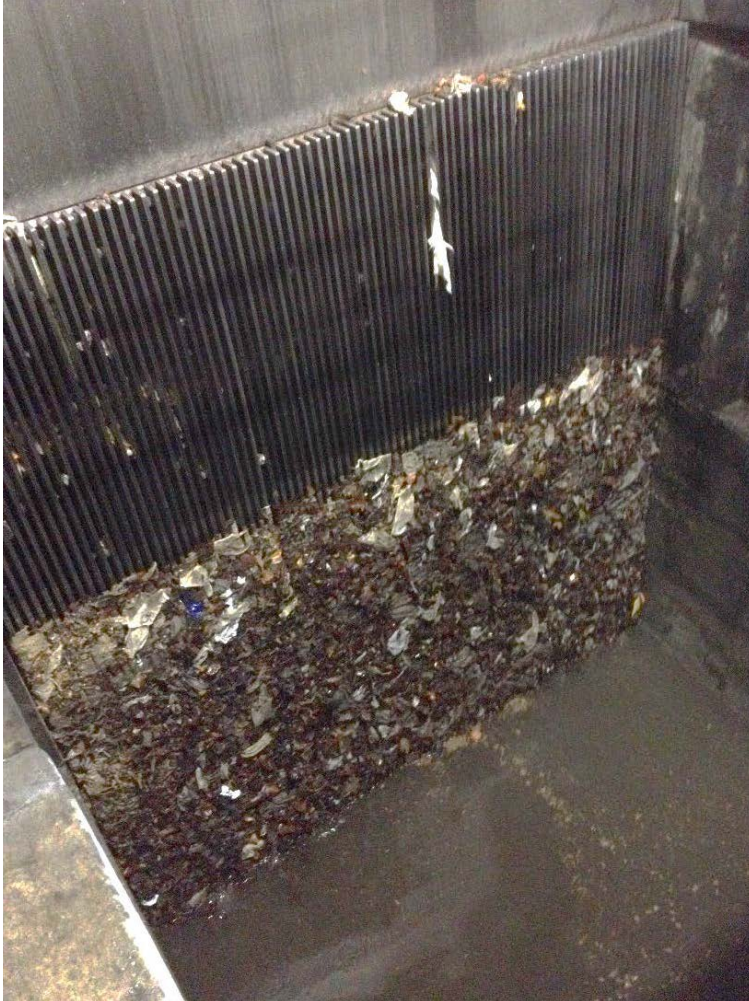
Project Background



Project Background



Problems with Existing Screens



Project Objectives

- Replace screens with models that have higher throughput and better removal of debris
- Modify downstream piping to reduce plugging and increase safe access
- Install flowmeters on downstream piping to know earlier when it plugs
- Replace drain valves in channel below screens to reduce plugging
- Replace gate operators for quicker operation



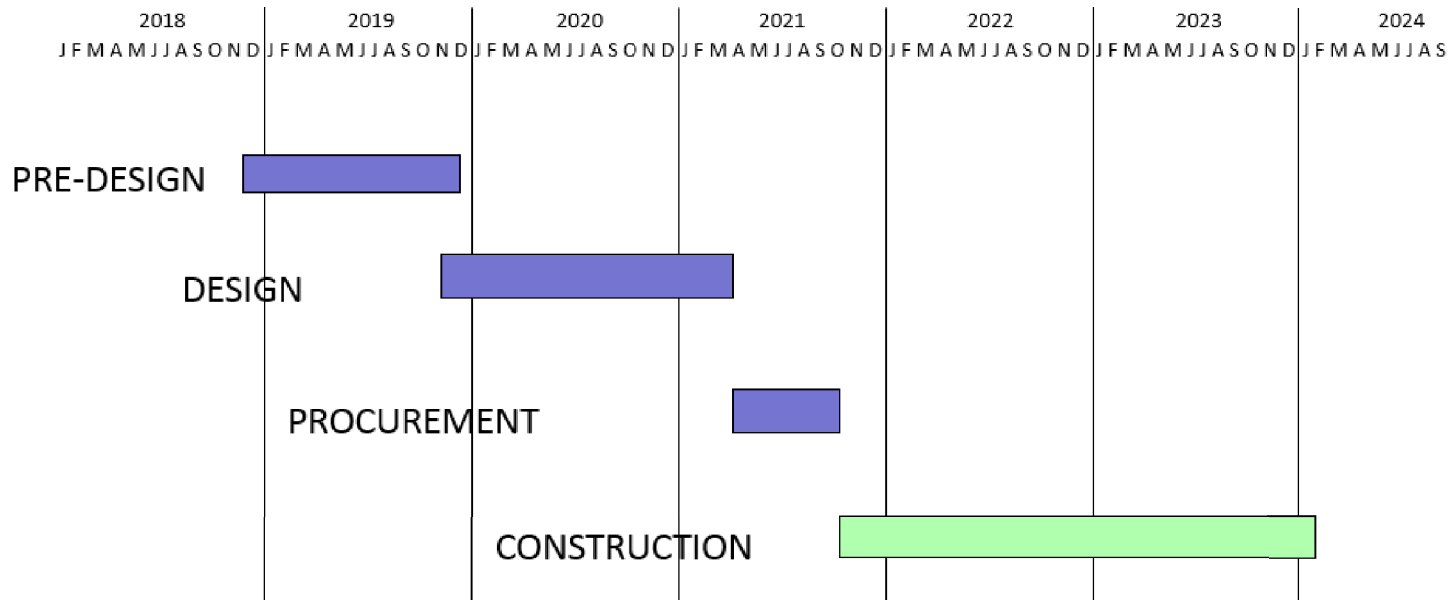
Upcoming Council Actions

- Ordinance authorizing CMGC Alternative Construction Contract (approx. Fall 2018)
- Report to Council for Acceptance of CMGC GMP (approx. Spring 2020)



Project Schedule and Construction Cost

- Estimated Construction Contract cost \$10,400,000 (confidence low, normal at planning phase)
- PTE Contract cost \$3,286,837 (confidence optimal)



Estimated Total Project Cost

| Project Phase | Estimated Cost |
|------------------------------|---------------------|
| Predesign Phase | \$1,618,024 |
| Design Phase | \$1,735,215 |
| Advertise-NTP | \$194,665 |
| Construction Phase | \$14,957,245 |
| Startup/Closeout Phase | \$1,536,909 |
| Estimated Total Project Cost | \$20,042,058 |



Professional Services Contract

- Project work was advertised for competitive selection
- 3 proposals received
- Selection committee included Minority Evaluator Program Participant
- CDM Smith was selected in accordance with City Code 5.68
- Negotiated fee of \$3,286,837 includes design, bidding, and construction support



M/W/ESB Participation

M/W/ESB Subcontracts are **34%** of total not-to-exceed limit:

- One MBE firm: \$884,258
- One DRE/MBE firm: \$233,533
- Total M/W/ESB: \$1,117,791
- Total contract: \$3,286,837



Recommendation

Authorize execution of a contract with CDM Smith Inc. to provide engineering services for the Columbia Boulevard Wastewater Treatment Plant Headworks Screening Improvements Project with a not-to-exceed limit of \$3,286,837



Questions

Thank you

