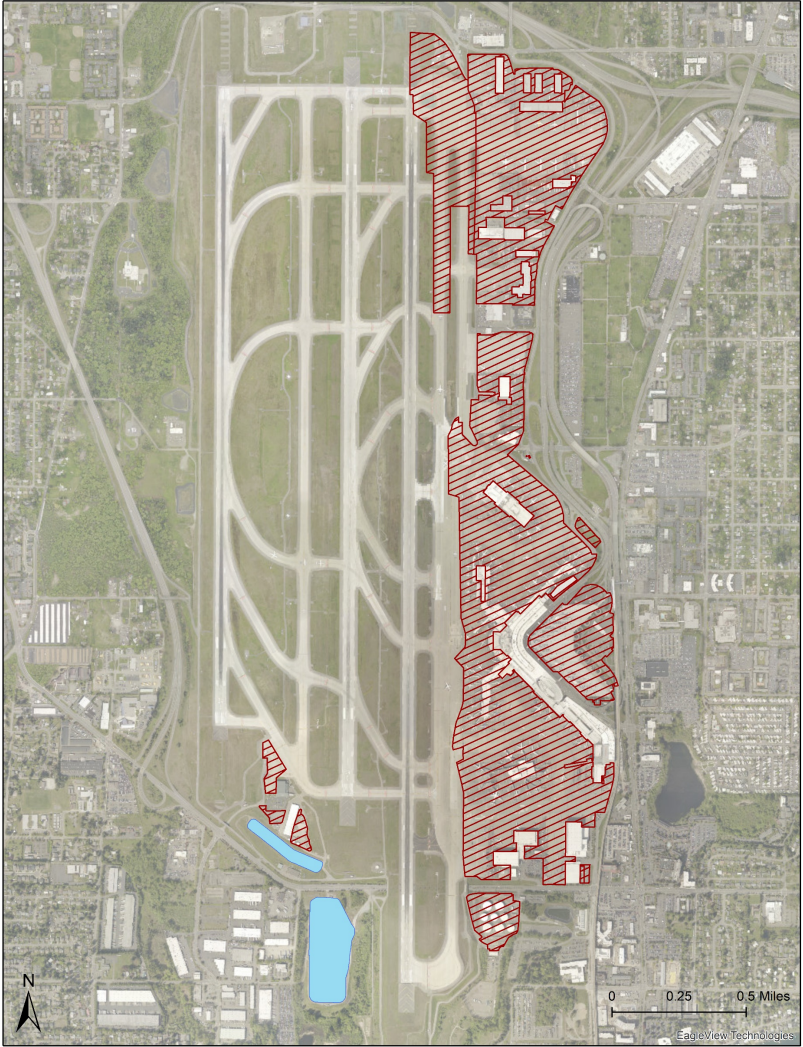


# Industrial Wastewater Treatment Program

## Preliminary Design Funding

# Location

IWTP





# Location



# Industrial Wastewater Treatment Plant (IWTP)

## Overview

- Runoff with low Biochemical Oxygen Demand (BOD) discharges to the Puget Sound
- Runoff with high BOD discharges to King County Sewer District for secondary treatment
- The Port has diverted 11.6 million pounds of BOD from the Puget Sound since 2007



# King County Permit Changes

- High BOD discharges have resulted in operational impacts to King County South Treatment Plant
- King County BOD limits will be reduced to 25% of the current permit levels on the next permit cycle (2026)
- New permit limits will require pre-treatment onsite at STIA before discharge to King Country Sewer District



# Project Overview

## Purpose:

Install a pre-treatment system and upgrade the existing systems at the Industrial Wastewater Treatment Plant (IWTP) to reduce high-BOD effluent.

## Scope:

- Install pre-treatment system
- Install effluent discharge systems
- Install new pumps and systems to support stormwater reuse
- Establish storage system to facilitate pre-treatment
- Install support infrastructure (new building, controls, HVAC, lagoon mixing, etc.)

# Additional Project Information

## Current Approach

- Planning funds will be used to develop:
  - Detailed Basis of Design (treatment configuration, storage options, infrastructure needs)
  - Project Notebook
  - Updated cost estimate
  - Evaluation of siting and permitting requirements
- Coordination with FAA, WA Department of Ecology, King County will be required

## King County – Planning Phase Milestones

- Draft Engineering Report – due August 31, 2022
- Final Engineering Report – due December 31, 2022

# Project Budget & Schedule

**CIP: C801234**

**Budget:** \$100,000,000 - \$200,000,000

**Previous Authorization:** \$135,000

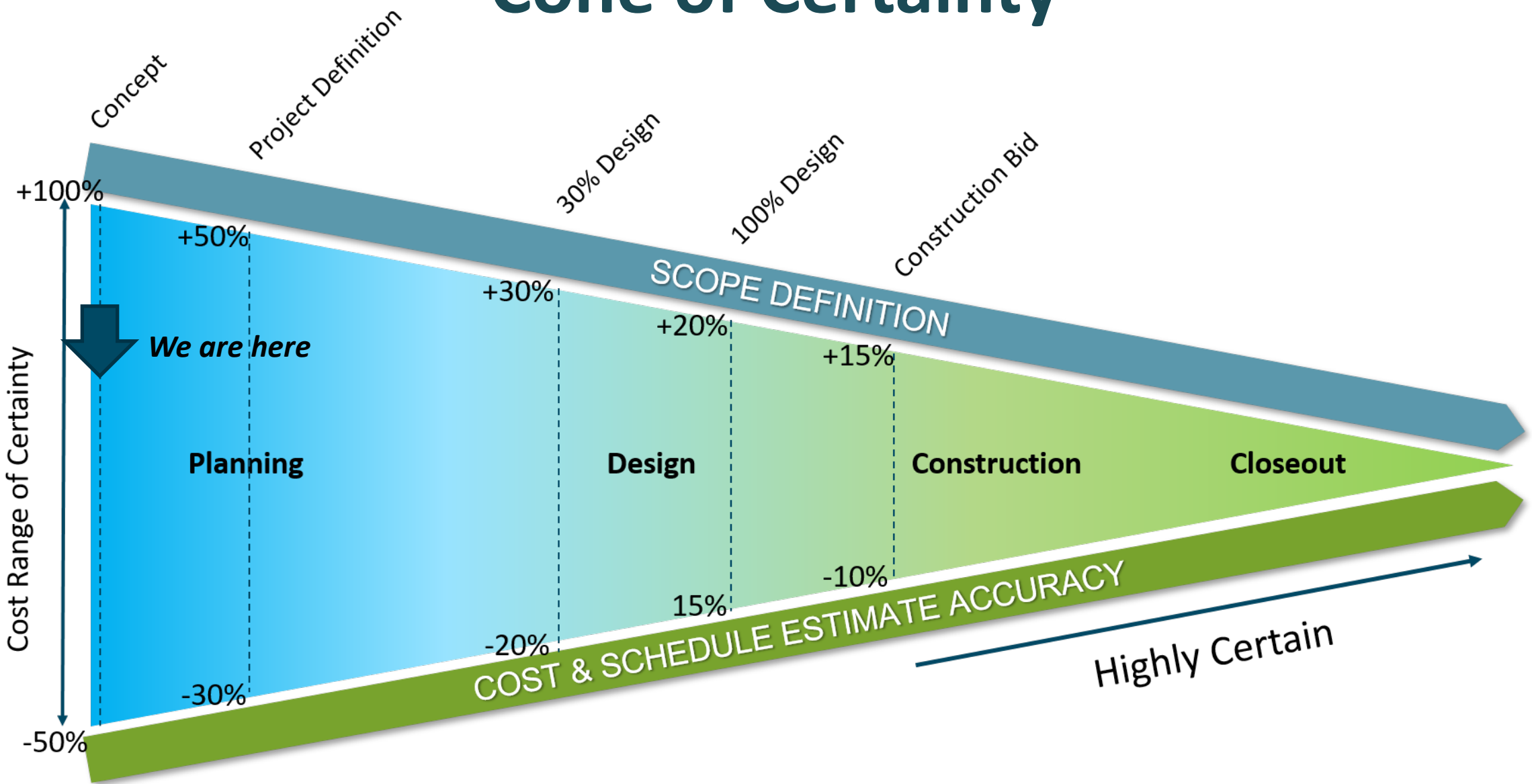
**Current Request:** \$2,000,000

## **Preliminary Schedule Milestones:**

- Preliminary Design Start: Q1 2022
- Design Start: Q2 2023
- Construction Start: Q1 2025
- In-Use Date\*: Q4 2026 - Q2 2027



# Cone of Certainty



# Action Requested

- 1) Advertise and execute a contract for Architecture and Engineering (A&E) services for the IWTP Program (CIP C801234).

The amount of this request is \$2,000,000 for a total estimated project cost of \$100M-\$200M.

# Thank You!



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