

Industrial Wastewater Treatment Plant (IWTP) Enhancement Project

Design Funding, Early Work, and
Long Lead Equipment Procurement
CIP C801234

Industrial Wastewater System

Collection System (approximately 300 acres)	Detention and Treatment	Effluent and Disposal
Wash water and sediment from roadway, ramp, & runway maintenance & cleaning Industrial Stormwater • Fuel storage & delivery areas • Aircraft & airfield deicing and anti-icing • Non-pollution generating sources • Stormwater contaminated from buildings & ground maintenance Construction dewatering Wash water from aircraft, vehicle, & equipment Aircraft and other potable water system flushing Firefighting and fire suppression systems Groundwater from fuel storage & delivery areas	Decant collection facility Detention • Three lagoons (80 million gallons storage) Treatment Screening • Mixing • Flocculation • Dissolved Air Flotation Units (Treat 4 to 7 million gallons per day)	Sediment disposal (approximately 500 tons annually) • Lagoon cleaning • Decant collection • Sludge collection Permitted effluent discharges (approximately 300 million gallons annually) • National Pollutant Discharge Elimination System (NPDES) Permit • King County Industrial Waste Discharge Permit

Project Purpose and Scope

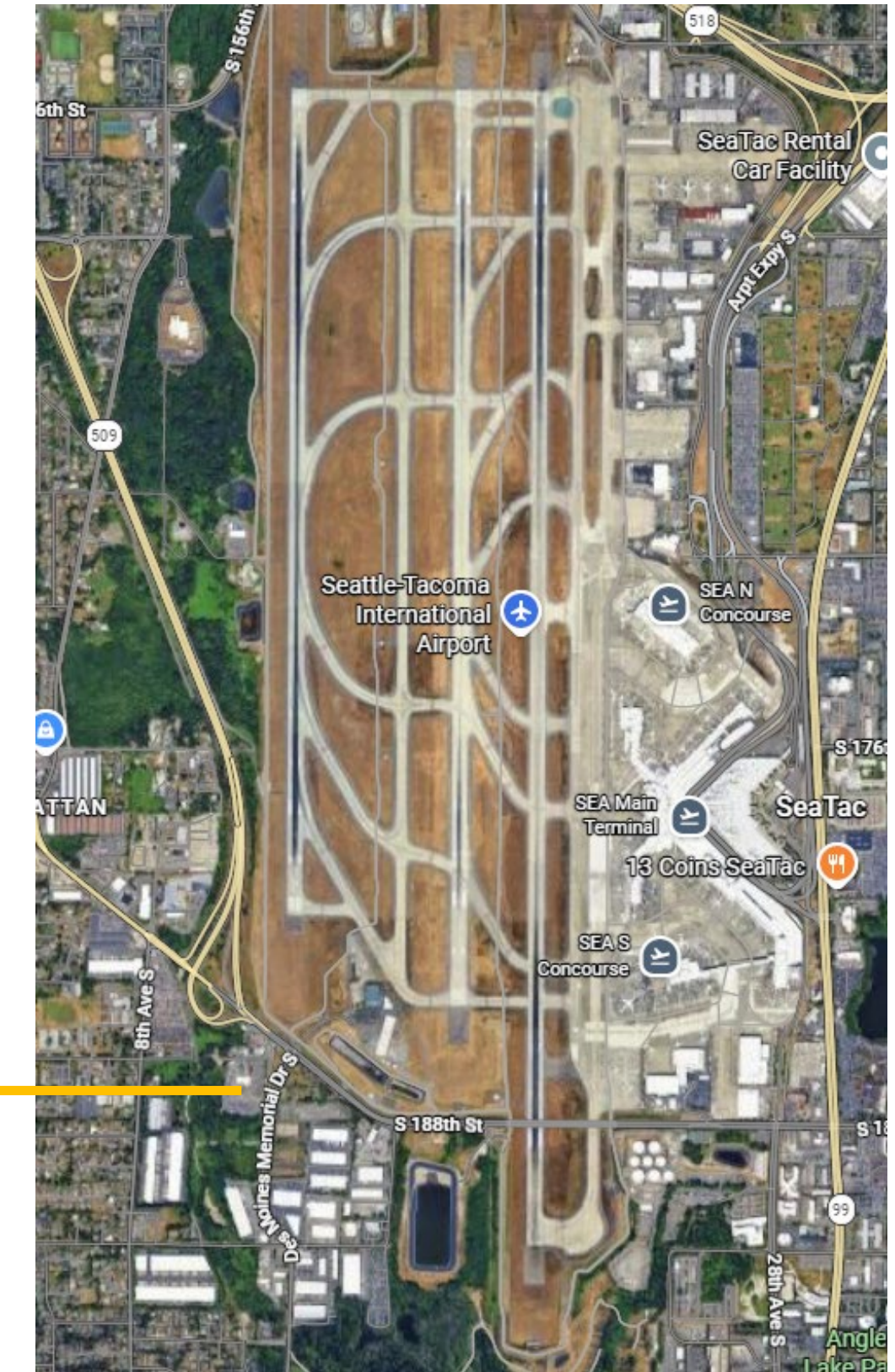
Purpose:

The project will install a pre-treatment system and upgrade the existing systems to the IWTP to ensure compliance with future King County Department of Natural Resources Industrial Waste Discharge permit conditions.

Scope:

- Aerated Gravel Bed (AGB) treatment facility
- 5-Million-gallon storage tank
- Control system updates
- Building modifications and improvements

Project Location



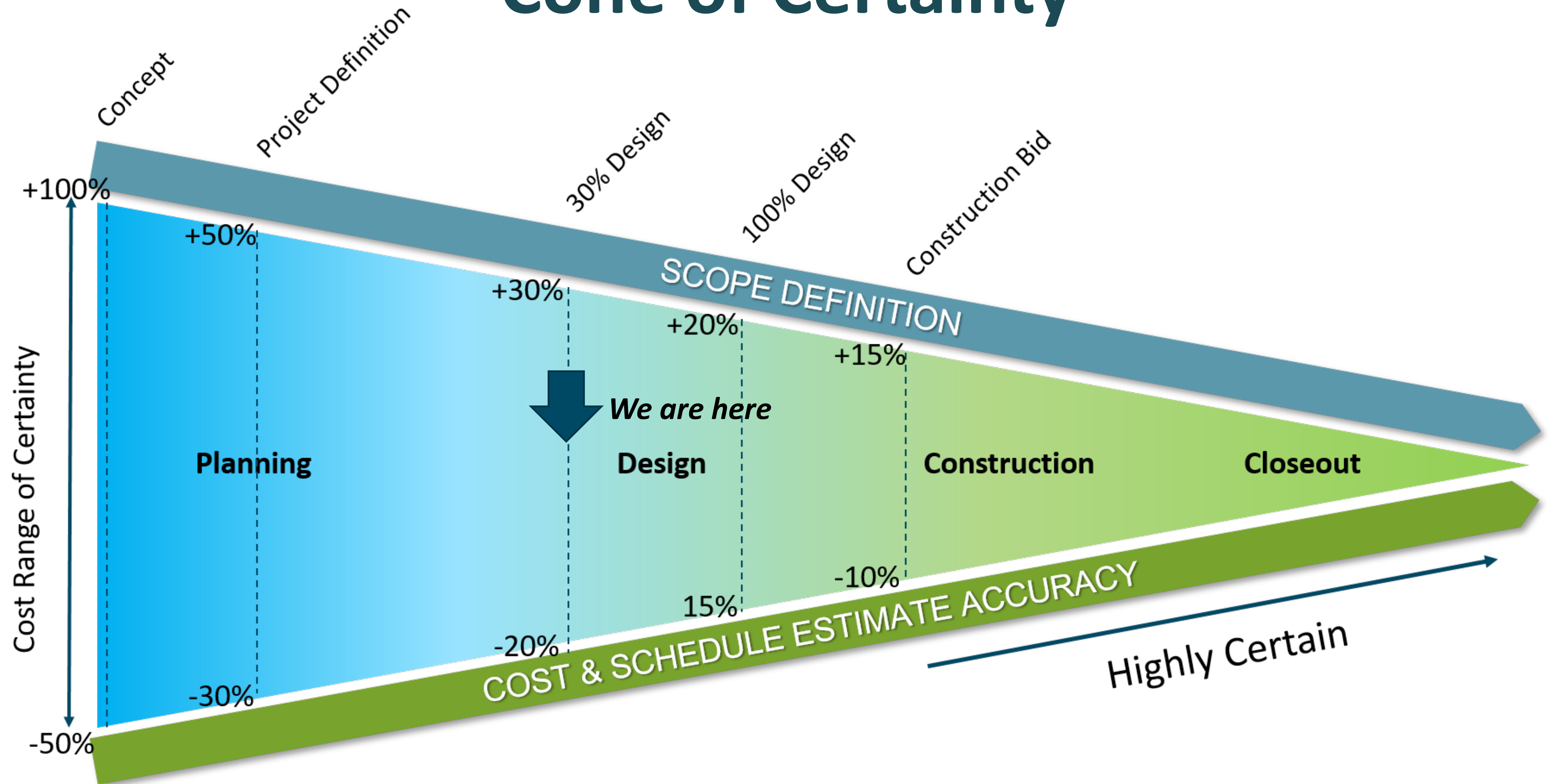
Example Aerated Gravel Bed



Project Budget & Schedule

- **CIP: C801234**
- **Not to Exceed Budget: \$280,782,000**
- **Previous Authorization: \$20,135,000**
- **Current Request: \$41,200,000**
- **Key Schedule Milestones:**
 - 60% Design Complete: Q4 2026
 - 90% Design Complete: Q2 2027
 - MACC Determined: Q2 2027
 - Early Work Released: Q2 2027
 - 100% Design: Q4 2027
 - Commission Construction Auth: Q4 2027
 - Notice to Proceed: Q1 2028
 - Substantial Completion: Q2 2031

Cone of Certainty



Action Requested

- 1) Authorize full design and preparation of construction documents for the Industrial Wastewater Treatment Plant Enhancements projects;
- 2) Procure long-lead items;
- 3) Authorize Port Construction Services to execute small works contracts and use Port crews for support of construction;
- 4) Execute early work packages with Hoffman Construction;
- 5) Increase project authorization by \$41,200,000 for a total project authorization of \$61,335,000. The total estimated Industrial Wastewater Treatment Plan Enhancements project cost is \$280,782,000.

Questions?



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