

# **C02403 Llano Trunk Rehabilitation Phase 1 Approval for the Guaranteed Maximum Price, Engineering Services, and Construction Management Services**

Board of Public Utilities

April 17, 2025

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Transportation and Public Works



# Presentation Outline

- Project Scope
- Cured-in-Place Pipe Lining & Bypass Pumping System
- Design-Build & Progressive Design-Build
- Guaranteed Maximum Price
- Construction in 2025
- Remaining Critical Path Items
- Contract Change Order for Guaranteed Maximum Price
- Engineering Services During Construction
- Project Work Order for Construction Management and Inspection
- Recommendation

# Location & Scope



- 8,100 linear feet of 66" sewer pipe
- 12 manholes
- Bypass system

# Cured-in-Place Pipe Lining





# Cured-in-Place Pipe Lining



WET-OUT  
FACILITY

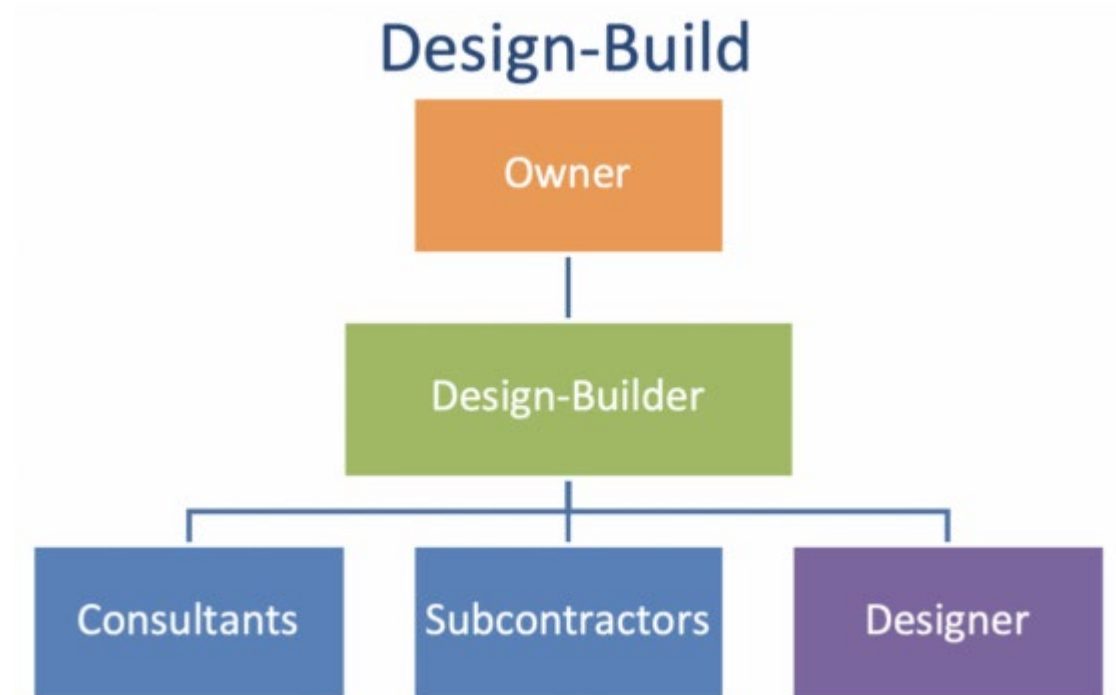
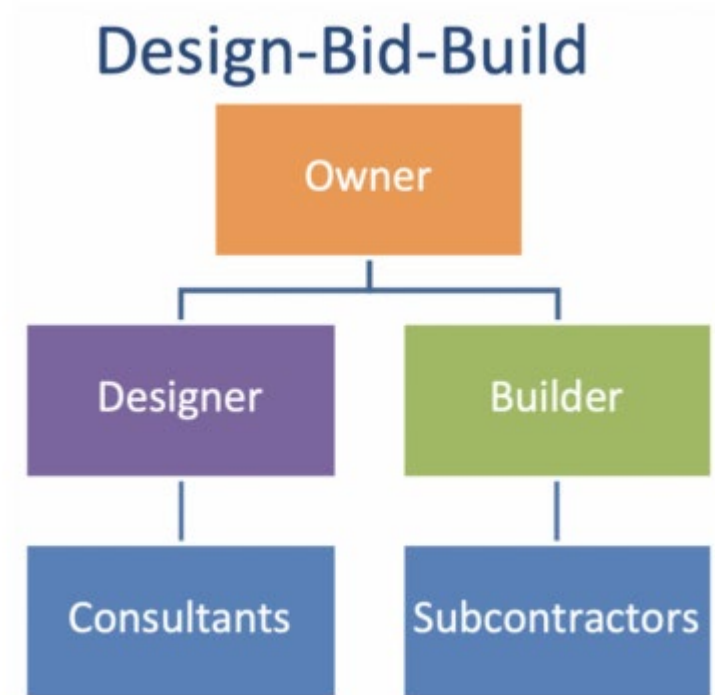
UNCURED  
LINER



# Bypass Pumping System

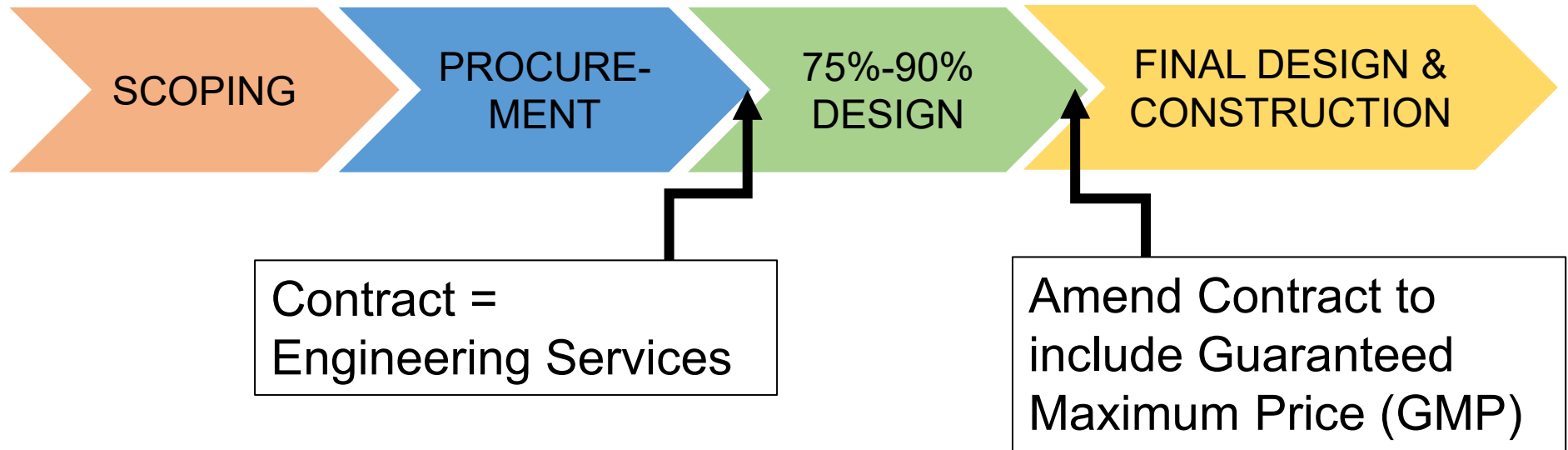


# Design-Build





# Progressive Design-Build



- Typical application: large-scale, complex projects
- Typical advantages: early work & equipment procurement, risk transfer
- Llano Phase 1 applicability: schedule & environmental permits



# Guaranteed Maximum Price

- Maximum construction cost
- Contingency
  - Changes to permit requirements
  - Major rain event
  - Unforeseen field conditions
  - City requests
- “Open-book” format with negotiations
- Auditor recommendation: accept GMP
- Final GMP = \$14,705,413.09
- Off-ramp

# Construction in 2025

## Original Schedule



## Current Schedule



# Remaining Critical Path Items

Item	Anticipated Issuance Date
California Department of Fish and Wildlife Permits	Late April
Temporary Construction Easements	Early May
Regional Water Quality Control Board Permit	Early May
US Army Corps Permit	Mid-May
Purchase Mitigation Credits	Mid-May
County of Sonoma Permit	Mid-May



# Contract Change Order for GMP

If remaining tasks completed by May 31

- Issue Notice to Proceed

If remaining tasks not completed by May 31

- No construction in 2025
- GMP rescinded and ineffective
- Renegotiate GMP next year
- Off-ramp option

# Engineering Services during Construction

- Submittals
- Requests for Information
- Biological and Environmental Compliance
- Record Drawings
- ESDC Cost = \$711,036.70

# Project Work Order

- Construction Management & Inspection
  - Full-time inspection, submittals management, weekly meeting coordination
- Solicited Request for Proposals on March 12, 2025
- Received two proposals on April 4, 2025 deadline
- Coastland Civil Engineering selected
- Cost: \$628,202.00



# Recommendation

It is recommended by Santa Rosa Water and the Transportation and Public Works Department that the Board of Public Utilities, by motion, approve the Llano Trunk Rehabilitation Phase 1 Progressive Design-Build Contract Change Order #4 with SAK Construction, LLC of Rocklin, California, for Engineering Services During Construction in an amount not-to-exceed \$711,036.70 and for a Guaranteed Maximum Price for Construction Services in the not-to-exceed amount of \$14,705,413.09; approve a 15% contingency for the Guaranteed Maximum Price for a total not-to-exceed amount of \$17,622,261.75; and approve Project Work Order No. A010139-2016-34 under the Master Professional Services Agreement with Coastland Civil Engineering of Santa Rosa, California, to provide construction management and inspection services for the Llano Trunk Rehabilitation Phase 1 Project, in an amount not-to-exceed \$628,202.00.

# Questions?

