State of Washington

PROJECT REVIEW COMMITTEE (PRC)

GC/CM PROJECT APPLICATION

To Use the General Contractor/Construction Manager (GC/CM) Alternative Contracting Procedure

The PRC will only consider complete applications: Incomplete applications may result in delay of action on your application. Responses to Questions 1-7 and 9 should not exceed 20 pages *(font size 11 or larger)*. Provide no more than six sketches, diagrams or drawings under Question 8.

Identification of Applicant

a) Legal name of Public Body (your organization): King County Department of Natural Resources and Parks Wastewater Treatment Division
b) Mailing Address: 201 South Jackson Street, Suite 500, Seattle, WA 98104
c) Contact Person Name: Ann Fowler Title: Capital Project Manager
d) Phone Number: 206-477-9115 E-mail: afowler@kingcounty.gov

1. Brief Description of Proposed Project

a) Name of Project: Black Diamond Trunk Capacity Upgrade Project
b) County of Project Location: King County
c) Please describe the project in no more than two short paragraphs. *(See Example on Project Description)*

The purpose of the Black Diamond Trunk Capacity Upgrade (BDT) Project is to add conveyance capacity to accommodate population growth over time in a manner that meets King County's commitments to provide conveyance services to the City of Black Diamond. The City of Black Diamond (City) and the King County's Wastewater Treatment Division (WTD) have worked closely for more than 10 years to coordinate infrastructure needs for a Master Planned Development (MPD) in the City, the largest ever in King County. WTD is obligated per the agreement for sewage disposal to accept all wastewater produced by the City. After many years of legal battles and delays, development in the City of Black Diamond is now advancing rapidly. Population growth, and hence sewer flows, are growing faster than anticipated, including developer plans to implement the MPD as quickly as possible. Delivery, and potentially accelerated delivery, of this project is required to meet the obligation.

The Black Diamond Trunk consists of approximately 6 miles of gravity sewer pipe that runs south to north between the cities of Black Diamond and Covington. The existing sewer pipe sizes range from 8" to 16" in diameter, with the smaller diameter pipes generally installed where there are steeper slopes and the larger diameters located in portions with gentler slopes. To provide the future capacity needs of the community, the existing conveyance system needs to be replaced with larger diameter pipes that can handle up to 11.25 million gallons per day (MGD) of sewage flow. The project aims to provide sufficient capacity to serve the community's current and future wastewater capacity needs through 2070. Both open-cut and trenchless construction techniques are anticipated for the project.

d) Applying for permission to utilize Alternative Subcontractor Selection with this application? **No**
(if no, applicant must apply separately at a later date utilizing Supplement B*)*

2. Projected Total Cost for the Project:

A. Project Budget

Costs for Professional Services (A/E, Legal etc.)	$17,271,680
Estimated project construction costs (including construction contingencies):	$73,204,716
Equipment and furnishing costs	$
Off-site costs	$
Contract administration costs (owner, cm etc.)	$10,462,855
Contingencies (design & owner)	$35,152,711
Other related project costs (Permitting, ROW, WTD Labor, Sustainability and Misc. Materials)	$24,157,927
Alternative Subcontractor Selection costs	$
Sales Tax	$6,171,933
Total	***$166,764,978***

B. Funding Status

Please describe the funding status for the whole project. *Note: If funding is not available, please explain how and when funding is anticipated*

Funding has been approved and appropriated for this project by the King County Council. The project may apply for the Water Infrastructure Finance and Innovation Act (WIFIA) funding, however availability of that potential funding source does not impact the County's ability to proceed with awarding and executing the Contract for this project.

3. Anticipated Project Design and Construction Schedule

Please provide:

The anticipated project design and construction schedule, including:

a) Procurement; *(including the use of alternative subcontractor selection, if applicable)*
b) Hiring consultants if not already hired; and
c) Employing staff or hiring consultants to manage the project if not already employed or hired. *(See Example on Design & Construction Schedule)*
d) Provide an updated schedule to include Alternative Subcontractor Selection Procurement process. *(If applicable)*

The anticipated design and construction schedules are detailed in Figure 1 - Project Schedule. This includes the procurement timeline for the GC/CM contract. The figure outlines previously completed procurements for Design and Owner Advisor Consultants, preliminary design progress, final design and permitting, construction activities, and potential early work packages. Attachment A provides a detailed schedule.

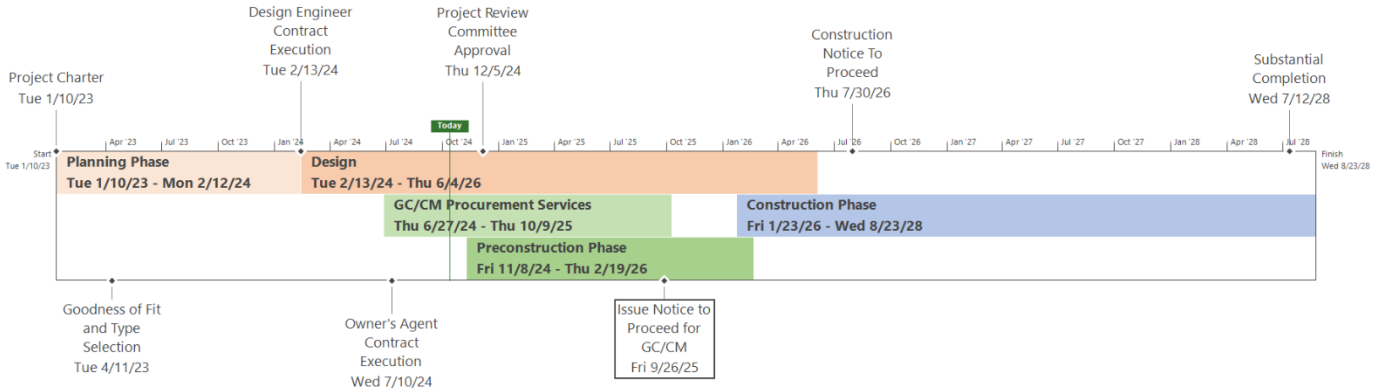


Figure 1 - Project Schedule

A team led by Brown and Caldwell has been retained and is under contract to provide Owner Advisor/Construction Management services for the General Contractor/Construction Manager (GC/CM) project. Carollo Engineering has been contracted to perform design of the project, including alternatives evaluation and analysis, geotechnical analysis and report, permitting support, construction cost

estimating, survey, and community involvement support. We will work in concert with the GC/CM to determine if alternative subcontracts would be beneficial and, if needed, will collaborate with the GC/CM to request approval to procure alternative subcontracts based on the recommendations of the GC/CM.

4. **Why the GC/CM Contracting Procedure is Appropriate for this Project**
Please provide a detailed explanation of why use of the contracting procedure is appropriate for the proposed project. Please address the following, as appropriate:

In May 2021, KCWTD established an Alternative Delivery Committee (ADC) to enhance KCWTD's ability to deliver a large and diverse portfolio of capital projects. The ADC adopted a process to screen capital projects to determine if projects are suitable for Design-Build or GC/CM delivery methods. The process includes "type selection" voting by an internal delivery committee with relevant WTD stakeholders to determine the best or optimal delivery method.

The Black Diamond Trunk Capacity Upgrade project went through this process. The delivery committee determined that GC/CM method would be the best method for achieving the project goals, consistent with the criteria identified in RCW 39.10 for the use of GC/CM based on the key project attributes described below.

- If implementation of the project involves complex scheduling, phasing, or coordination, what are the complexities?

  The continued high rate of growth in the City of Black Diamond requires upsizing the existing Black Diamond Trunk on time to maintain services to the community. The project includes the design and construction of a gravity sewer system that spans over six miles and includes many challenges, including spatial constraints, traffic planning and impact mitigation, high groundwater levels, poor soils, stream crossings, and utility conflicts. The GC/CM contractor will be able to provide early input regarding phasing, sequencing, and constraints to mitigate impacts to the public and WTD operations, and needed coordination with other WTD stakeholders, City of Black Diamond, City of Covington, and Washington State Department of Transportation (WSDOT) projects in the area.

  Constructability: The pipeline's design and construction must account for horizontal and vertical changes in the Right of Way (ROW), other critical utilities within the same corridor, and environmental impacts related to creek crossings and critical areas. The spatial constraints posed by gravity sewer installations necessitate a hybrid approach, incorporating both replacement in-place and parallel pipe installations. This strategy minimizes the need for temporary bypasses, reducing associated risks and costs, while maintaining flexibility to protect existing utility infrastructure along the project alignment. Incorporating contractor constructability input during the design phase will help mitigate these conflicts and minimize changes during construction.

  Trenchless Construction: The construction of new gravity sewer facilities using trenchless technologies presents significant challenges in this part of King County, owing to high gravel and cobble quantities and the presence of active and defunct gravel pits and mines. Involving the contractor in developing the trenchless installation approach is crucial to identifying the most viable methods for each crossing. A risk register will be collaboratively developed with the contractor to identify potential risks for each crossing and to formulate mitigation strategies, including alternate trenchless methods, if necessary.

  Sewer Diversion Planning: Where replacement of the existing sewer line is required, installation of a temporary sewer diversion system is needed to maintain continuous flows of the existing system. The sewer diversion, where required, is anticipated to include temporary piping laid on surface streets or sidewalks, with key transportation crossings buried. Flows upstream of the work area will be captured and pumped through temporary piping before discharge of the flows back into the system downstream of the current work zone. The Contractor will be responsible for managing pumping systems, monitoring flows, and providing required noise and odor control. A robust safety plan and protocol will also be

established to ensure the safety of workers during the rehabilitation work, as well as detailed traffic control plans.

Protection of Surface Water: The stream crossings at Covington Creek and Cranmar Creek are critical for surface water protection. Both locations will require physical barriers at the construction edge to intercept sediment before it leaves the site. The slopes leading down to these creeks are high-risk areas for water runoff and heavy excavation, particularly at the trenchless endpoints. Robust solutions will be implemented during design and construction to prevent siltation of the creeks. Collaborative engagement with the contractor during design will be critical to implementing methods that can be achieved during construction.

Agency Engagement: This project impacts several agency stakeholders, including the City of Black Diamond, King County, City of Covington, WSDOT and various environmental regulatory agencies. Early communication and contractor engagement with each of these agencies during the design phase aims to eliminate unanticipated permits or permit mitigation requirements. Contractor input during the design phase will help to identify planned construction means and methods so the permitting process can proceed based on confirmed construction routes, work areas, and impacts.

Traffic Impacts: The growing Black Diamond community has been significantly impacted by extensive road construction along the project corridor. Obtaining contractor guidance to understand the construction implications of concurrent timing and coordinating with other projects is critical to minimize disruptions to local communities, schools, and commuters. Contractor input is essential for planning and mitigating traffic impacts, street closures, transit stop closures, detour routes, parking and loading restrictions, noise and odor control, driveway restrictions, utility service interruptions, night and weekend work, and ensuring the safety of pedestrians and bicyclists.

- If the project involves construction at an existing facility that must continue to operate during construction, what are the operational impacts on occupants that must be addressed?

  Note: *Please identify functions within the existing facility which require relocation during construction and how construction sequencing will affect them. As part of your response, you may refer to the drawings or sketches that you provide under Question 8.*

  The Black Diamond sewer conveyance system is critical infrastructure that carries sewer flows from the City of Black Diamond through unincorporated King County and the City of Covington before discharging to the Soos Creek Water and Sewer District sewer conveyance system, and finally back to the King County conveyance system before discharging into the South Treatment Plant for treatment. The Black Diamond sewer conveyance system must stay operational during infrastructure upgrades. This will be achieved either by maintaining flows within the current sewer line during the installation of the new parallel system or by using temporary diversion piping during the replacement of the existing pipe.

- If involvement of the GC/CM is critical during the design phase, why is this involvement critical?

  - Involvement of a GC/CM contractor offers efficiencies that will be key to the schedule success of the project, including:
    - Early contractor engagement for technical and permitting challenges.
    - Early development of construction sequencing and impacts to inform traffic control plans, permitting processes, stakeholder engagement, and groundwater mitigation.
    - Enhanced collaboration throughout the design phase, reducing the risk of changes and delays.
    - The potential for early works packages to procure long-lead items or conduct early construction activities.
  - Design documents may be broken into packages to support the advancement of the permitting processes and potential early works packages before the completion of the full project construction documents.

  - The ability to engage the contractor early in the process allows the project team to incorporate the expertise and innovation of the contractor before, and concurrently with permitting submittals. This allows the project team to align the permit packages with the construction sequencing to allow for a more efficient permitting process.

- If the project encompasses a complex or technical work environment, what is this environment?

  This project impacts major roadways, critical areas, railroad crossings, and utility conflicts with limited available right-of-way, and includes multiple jurisdictions, including the City of Black Diamond, the City of Covington, Unincorporated King County, WSDOT, and BNSF Railway. Early collaboration with the GC/CM contractor during the planning and coordination of design, traffic control, community impacts, utility conflicts, and construction techniques to solve the complex challenges associated with these impacts will be critical to the project's success.

- If the project requires specialized work on a building that has historical significance, why is the building of historical significance and what is the specialized work that must be done?

  There are no designated landmarks or historically significant structures related to this project.

- If the project is declared heavy civil and the public body elects to procure the project as heavy civil, why is the GC/CM heavy civil contracting procedure appropriate for the proposed project?

  Using the Heavy Civil GC/CM approach for the Black Diamond Trunk Upgrade project is appropriate because the project is sewer infrastructure work, and the system must remain operational during construction. The project will involve a mix of heavy civil construction methods to address the required upgrade to the wastewater pipes, including trenchless installation, open-cut trench pipe replacement, open-cut trench pipe installation parallel to the existing pipe, and maintenance hole replacement.

5. Public Benefit

In addition to the above information, please provide information on how use of the GC/CM contracting procedure will serve the public interest *(For Public Benefit related only to Alternative Subcontractor Selection, use Supplement A or Supplement B, if your organization decides to use this selection process. Refer to Question No. 11 of this application for guidance)*. For example, your description must address, but is not limited to:

- How this contracting method provides a substantial fiscal benefit; or

  KCWTD has protected water quality in the Puget Sound region since 1958 by providing wastewater treatment services to King, Pierce, and Snohomish counties. KCWTD is an industry leader in developing and implementing new approaches and technologies to wastewater treatment, recycling, energy generation and use, and service delivery. Our regional wastewater treatment system operates around the clock and by providing critical wastewater treatment services. KCWTD contributes to the long-term viability and health of the environmental, social, and economic aspects of our communities. The BDT project will ensure the capacity of a key part of the regional wastewater treatment system serving the Black Diamond and Covington areas.

  GC/CM delivery will provide substantial financial benefits:
  - Reduce overall project risk through early contractor input/involvement, providing more cost transparency and certainty, decreasing the incidence of change orders, and coordinating schedule impacts through construction team input in the design and early construction planning.
  - Additional schedule certainty from early contractor construction planning and sequencing, providing confidence that the work can be completed in the required timeframes, a key factor in controlling project costs.

- How the use of the traditional method of awarding contracts in a lump sum is not practical for meeting desired quality standards or delivery schedules.

  King County has considered the possibility of using DBB on this project. Primarily because of the identified construction challenges, including groundwater dewatering, trenchless crossings,

coordinating and maintaining existing sewer service throughout construction, and impacts to traffic and the public, and the benefits of having early contractor input in design to plan for and mitigate those challenges, it was determined that GC/CM would be the best option for construction planning and risk reduction.

- In the case of heavy civil GC/CM, why the heavy civil contracting procedure serves the public interest.

  KCWTD is proposing the use of heavy civil as it will grant the County the ability to negotiate with the GC/CM to self-perform critical or higher-risk work and thereby better maintain schedule and tighter control of the quality and execution of a greater portion of the project. Given its nature as a critical wastewater conveyance facility to the greater Black Diamond area, uninterrupted sewer flows are crucial for public health and environmental safety, heavy civil is an appropriate choice.

6. Public Body Qualifications

Please provide:

- A description of your organization's qualifications to use the GC/CM contracting procedure.

  KCWTD has extensive experience delivering large capital projects, including using alternative delivery methods guided by the Alternative Delivery Committee to support internal capacity building and successful procurement & implementation. KCWTD's key staff have relevant alternative delivery experience and will be supported throughout the life of the project by an Owner Advisor consultant team with decades of alternative delivery experience. KCWTD's GC/CM qualifications are further described below and in subsequent sections.

  Capital Project Experience. KCWTD has been conducting and managing major capital projects for many decades, with significant in-house project delivery and engineering resources. KCWTD delivers capital projects totaling approximately $360M annually.

  Alternative Delivery Experience. With approvals from the PRC, various KCWTD departments and divisions have utilized alternative delivery methods authorized by RCW 39.10, including DB and GC/CM contracting procedures, on a number of projects over the past two decades. KCWTD utilized the GC/CM contracting method on the Brightwater Treatment Plant project and DB delivery for the Brightwater Outfall Tunnel project between 2005 and 2011. KCWTD is currently utilizing PDB for two sewer rehabilitation projects (in the preconstruction phase) and GC/CM for wastewater treatment plant upgrades, including major electrical, mechanical systems, and equipment replacements (in construction and preconstruction phase), and for the expansion of the Elliott West Combined Sewer Overflow facility (in the preconstruction phase).

  Alternative Delivery Committee. KCWTD determined that its ability to deliver a large and diverse portfolio of capital projects would be enhanced if it expanded its consideration and use of alternative delivery methods. Therefore, in May 2021, KCWTD established an Alternative Delivery Committee (ADC) consisting of leadership across various units of KCWTD's Project Planning and Delivery Section, along with representation from KCWTD operations and maintenance. The ADC includes staff who have experience with DB and GC/CM delivery methods. The ADC has established a process for approval of Alternative Public Works contracting for KCWTD projects, prior to PRC application submission. The ADC is dedicated to assisting KCWTD in seeking increased efficiencies, lessons learned, improved project throughput, and better leveraging internal resources by advocating for and overseeing the use of the GC/CM and PDB alternative delivery methods.

  KCWTD is employing multiple methods to build alternative delivery expertise and capacity within WTD, including training, industry outreach, and development of processes and tools for implementing alternative projects aligned with RCW 39.10 and industry best practices. KCWTD staff have attended formal training conducted by the Design-Build Institute of America (DBIA), Associated General Contractors (AGC), and the Water Collaborative Delivery Association (WCDA, formerly the Water Design-Build Council). The DBIA training has included training exclusively for KCWTD with the goal of achieving DBIA certification for KCWTD project staff. Currently, 34 KCWTD staff have participated in DBIA Certification training, and five have obtained certification from DBIA. KCWTD staff also participate

in interviews with industry leaders to gain insight regarding best practices and lessons learned to achieve success utilizing DB (particularly PDB) and GC/CM contracting methods. KCWTD has further engaged a consulting team consisting of Griffin, Hill & Associates (GHA) and Tanner Pacific, Inc. (TPI) to support training and develop internal processes and tools needed to implement Alternative Public Works projects. An alternative delivery training series is planned for KCWTD staff in fall of 2024.

Project Team. The Project Manager for the project, Ann Fowler, and Contract Specialists Jennifer Zutis and Melissa Jordan hold Associate DBIA certifications, and have experience in the procurement and oversight of prior alternative delivery projects. The Project Engineer, Doug Jones, has experience on multiple alternative delivery projects (DB and GC/CM) and holds a DBIA certification.

Owner Advisor. To support and assist KCWTD, an Owner Advisor (OA) consultant team including OA Lead Patrick Weber and OA SMEs Josh Thomas and John Nottingham will support the project team. The OA team has extensive experience supporting owners with the procurement, delivery, and oversight of GC/CM projects, and is currently assisting KCWTD with delivery of two ongoing alternative delivery (PDB) sewer projects. The OA team includes an independent cost estimator, Adam Wirthlin, who specializes in developing independent cost estimates, reviewing contractor estimates, and supporting price negotiations for alternative delivery projects.

- A ***Project*** organizational chart, showing all existing or planned staff and consultant roles.
  Note: *The organizational chart must show the level of involvement and main responsibilities anticipated for each position throughout the project (for example, full-time project manager). If acronyms are used, a key should be provided. (See Example on Project Organizational Chart)*
  Please see attachment B
- Staff and consultant short biographies *(not complete résumés)*.

Ann Fowler, P.E., PMP, Assoc. DBIA, King County WTD

Role: Project Manager

Relevant Experience: Ann is a project manager with King County's Wastewater Treatment Division (WTD) and has over 17 years of project management experience and has attended DBIA trainings to obtain her Associate DBIA certification. Ann is a registered professional engineer in the State of Washington, and a certified Project Management Professional (PMP). Ann has led various infrastructure improvement projects including the ongoing Eastside Interceptor Section 8 Rehabilitation Progressive Design Build project and the replacement and rehabilitation of water, sewer, and storm utility improvements in the downtown core for the City of Renton.

Shannon Kelly, King County WTD

Role: Deputy Project Manager

Relevant Experience: Shannon is an experienced project manager with King County's WTD with over 24 years of project management and civil engineering experience with King County. She is an EIT and has a Master of Public Administration. She has extensive experience managing technically challenging stormwater infrastructure projects with multiple agencies. Experience includes fish passage, pipe bursting, pipe ramming, trenchless construction, auger boring, heavy civil construction, and aging stormwater management.

Doug Jones, P.E., DBIA, King County WTD

Role: Project Engineer

Relevant Experience: Doug is a Senior Wastewater Engineer with King County's Wastewater Treatment Division (WTD) and has over 30 years of experience in public works engineering. Doug is a registered professional engineer in Washington, a certified construction manager (CCM) and is certified as a DBIA professional. He has managed design-build projects with the Tri-County Metropolitan District of Oregon (TriMet) and is currently serving as the WTD Project Engineer for a progressive design build project to rehabilitate a large diameter gravity sewer and a GC/CM project to expand the Elliott West Combined Sewer Overflow facility.

Gary Casad, King County WTD

Role: Project Representative (Construction)

Relevant Experience: Gary is a Construction Management Project Representative with King County's Wastewater Treatment Division with over 32 years of experience in construction management with similar utility projects. Gary holds a BS in Civil Engineering. His construction experience includes Design, Inspections, Review and Issuing of Permits, Heavy and Light Construction, Structures, Developments, Bridges, Roads, Utilities, Locates, Surveying, Boring, Fish Passages, and Creek Bypasses, and has extensive experience working in the Lake Sawyer area, where this project is located.

Meagan Krenzer, King County WTD

Role: Project Control Engineer

Relevant Experience: Meagan is a Project Controls Engineer (PCE) with King County's WTD and has over 8 years of experience in private and public works cost control, including GCCM experience on the King County West Point Treatment Plant PE and RAS Pipe Restoration project.

Jennifer Zutis, Associate DBIA, King County WTD

Role: Contract Specialist (Administration)

Relevant Experience: Jennifer brings over 14 years of public procurement with Seattle Public Schools (SPS) as one of district's Contract Specialists, and 2.5 years as a WTD Internal Procurement Specialist. Jennifer supported SPS's department lead with about 10 GCCM projects and assisted with WTD's ESI 8 PDB. Additionally, Jennifer has participated in many DBIA trainings and holds an Associate DBIA certification.

Melissa Jordan, CPPB, Associate DBIA, King County Procurement

Role: Contract Specialist (Procurement)
Relevant Experience: Melissa has over 6 years of Alternative Public Work Experience and 15 years of public procurement experience. The majority of her experience was spent in Public Work and Capital Project procurement, contract administration, and closeouts. Melissa holds a Bachelor's in Business Management, is a Certified Professional Public Buyer (CPPB) and an Associate DBIA. Melissa has conducted multiple procurements for alternative delivery projects under RCW 39.10.

Patrick Weber, P.E., PMP, DBIA, Brown and Caldwell
Role: Owner Advisor
Relevant Experience: Patrick has 18 years of engineering experience in planning, design, and oversight of water and wastewater projects. Patrick provides Owner's Advisor services for delivery method evaluation, procurement, design oversight, and construction oversight of alternative delivery projects around the country, including GC/CM and design-build projects. Patrick has provided alternative delivery OA services for more than 11 alternative delivery projects in Washington. He has experience applying alternative delivery principles to the particular challenges of utility conveyance projects.

Josh Thomas, P.E., Brown and Caldwell
Role: Owner Advisor SME
Relevant Experience: Josh is a full-time Owner Advisor for alternative delivery projects, and has 11 years of experience in planning and scheduling, contracts and project oversight, design development, construction management, and engineering design software. As an Owner Advisor, Josh provides procurement and pre-construction services on alternative delivery projects, including GC/CM, progressive design-build, and fixed-price design-build. Josh has served as Owner Advisor on more than 10 projects with negotiated construction pricing (GC/CM, PDB).

John Nottingham, P.E., Brown and Caldwell
Role: Owner Advisor SME
Relevant Experience: John has a breadth of experienced as a Professional Engineer with a background in the planning, design, and construction management of municipal water and sewer projects. His background includes over 26 years of experience in project management with 12 years as a Consulting Engineer and 14 years as an Owner in the public sector. Alternative project delivery experience includes the management of three complex City of Everett projects including one GC/CM, and 2 PDB projects.

Erik Waligorski, P.E., Carollo Engineers
Role: Design Manager
Relevant Experience: Erik's professional engineering experience is in sewer system design, comprehensive planning, and project and construction administration and management. His 27 years of experience includes specialized expertise in trenchless pipeline projects, having completed projects involving microtunneling, horizontal directional drilling (HDD), auger boring, pipe ramming, slip lining, and pipe bursting. He has experience in a variety of project delivery approaches including traditional design-bid-build, design-build, and GC/CM.

Corianne Burnett, P.E., Carollo Engineers
Role: Assistant Design Manager
Relevant Experience: Corianne is a senior engineer with 20 years of experience in program management, municipal wastewater and drinking water design, water resource management, and water quality control. She has been involved in numerous conveyance and sewer pipeline designs in the Northwest, including those delivered using alternative delivery methods.

Keith Rogers, P.E., Carollo Engineers
Role: Project Engineer
Relevant Experience: Keith Rogers is a civil engineer with 12 years of design experience on a variety of municipal water, wastewater, and stormwater projects. He has produced design documents that incorporate client standards and minimize construction risk exposure.

- Provide the ***experience and role on previous GC/CM projects delivered*** under RCW 39.10 or equivalent experience for each staff member or consultant in key positions on the proposed project. *(See Example Staff\Contractor Project Experience and Role. The applicant shall use the abbreviations as identified in the example in the attachment.)*

  See Attachment C, Project Experience and Role, for each staff member in key positions in the proposed project.

- The qualifications of the existing or planned project manager and consultants.

  The County's project manager, Ann Fowler, has over 17 years of project management experience and has attended DBIA training to obtain her Associate DBIA certification. Ann is a registered professional engineer in the State of Washington, and a certified Project Management Professional (PMP). Ann has led various infrastructure improvement projects including the ongoing Eastside Interceptor Section 8 Rehabilitation Progressive Design Build project and replacement and rehabilitation of water, sewer, and storm utility improvements in the downtown core for the City of Renton.

  The County's OA team, including Patrick Weber, Josh Thomas, John Nottingham, and additional OA support staff, have extensive experience supporting owners through GC/CM and other alternative delivery projects, including linear conveyance projects. Patrick, Josh and John are committed to overseeing the project and working closely with the County team to execute the work. Brown and Caldwell is currently under contract with the County to support procurement and preconstruction phases of the project, and the County's intent is to continue OA services through the construction phase to project completion.

The County's design team, including Erik Waligorski, Corianne Burnett, Keith Rogers have significant alternative delivery experience with both GC/CM and PDB projects, including decades of experience in the planning, design, and construction of long, linear gravity sewer projects. Carollo Engineering is under contract to support the design of the contract and the County intends to continue their engineering services during construction to project completion.

- If the project manager is interim until your organization has employed staff or hired a consultant as the project manager, indicate whether sufficient funds are available for this purpose and how long it is anticipated the interim project manager will serve.

  Not applicable

- A brief summary of the construction experience of your organization's project management team that is relevant to the project.

  KCWTD annual capital spending is nearly $400M, with a 6-year CIP approaching $1.5B. Capital projects include construction, repair, or rehabilitation of conveyance systems, similar to the Black Diamond Trunk Capacity Upgrade Project.

  Ann Fowler has significant project management experience from planning through design and construction from her tenures with KCWTD and the City of Renton, and is backed by the experience, depth, and senior leadership of KCWTD's Capital Projects Group. Ann will report to KCWTD's Definition and Delivery Board, which is responsible for oversight of capital projects. Project Engineer Doug Jones has worked on alternative delivery projects during his tenure with KCWTD and Tri-County Metropolitan District of Oregon. KCWTD and this project team are focusing on alternative project delivery to allow for an integrated team to continue our long history of successfully completing large and complex construction projects. KCWTD's Owner Advisor team will bring extensive experience overseeing GC/CM procurement, contracting, design implementation, pricing negotiations, and construction. The OA team will provide full construction management services for the project via subconsultant KBA to supplement the County's robust in-house construction management capabilities.

- A description of the controls your organization will have in place to ensure that the project is adequately managed.

  KCWTD has a long history of successfully managing large capital projects with delivery $400M in annual capital project spending, with a 6-year CIP approaching $1.5B. The agency has established and implemented mature project controls, project management, and construction management processes. These processes are built on the standard capital project management procedures used by KCWTD. Additionally, KCWTD set up a programmatic delivery approach for all Offsite (outside Treatment Plants) projects, the Offsite Facilities Program (OFPgM) with the goal to provide oversight and better coordination. These procedures include roles and responsibilities; issue decision and changes management; risk management; quality management; communications; interface management; governance and authority/document management; project controls and reporting; construction management; and project closeout.

  Governance Oversight and Controls. KCWTD has an established governance process that institutionally manages and controls scope, schedule, and budget considerations of capital projects. The OFPgM in which the BDT resides in has established the Program Leadership Advisory Team, consisting of managers and supervisors within the organization (including active members of Governance Boards), as an oversight and steering committee to facilitate capital project governance and controls. This committee seeks to facilitate the governance process and ensure appropriate capital project controls in terms of cost/budget, schedule, and scope tracking, reporting, and management.

  Authority and Governance. KCWTD existing authority structures will be used for reviewing and approving any contract changes, including changes to scope, schedule, and/or budget. KCWTD, with the assistance of the OA, will lead Contract Price (CP) negotiations with the GC/CM in a transparent and open-book manner and will work to ensure that claimed labor rates and costs are aligned with the

contract and can be reasonably reviewed and audited. Audits are planned at the beginning to set rates and expectations, at the middle to ensure compliance and possible refinements, and at final completion.

Scope Control and Reporting. KCWTD has established a scope management matrix tool for the tracking of scope evolution throughout the project development and delivery process. Any additions/deducts and/or modifications to the scope of the project that may arise will be documented, tracked, and reported on in terms of any cost and/or schedule changes that it may trigger to the project and within the overall OFPgM.

Cost and Schedule Control and Reporting. Monthly the project manager submits an updated project schedule to the OFPgM Program Manager. The Program Manager consolidates this information into an integrated master program schedule and reports for monitoring project performance, managing project interfaces, and providing transparent reporting to KCWTD leadership. Cost/budget tracking and reporting are conducted monthly using KCWTD's Project Reporting and Information System Management (PRISM) project management platform. Cost and schedule data tracked in PRISM are also integrated with trend logs of any forecasted and implemented changes to cost and/or schedule that may arise through delivery of the project. Quarterly, the project manager submits a report that identifies progress, including any issues/decisions/changes that may impact scope, schedule, and budget. The GC/CM will be required to provide information to KCWTD, and as needed, participate in meetings and project audits.

Risk Management, Decision and Change Management. A risk register, and an Issue, Decision, and Change (IDC) Management Log are developed for the project and will continue to be maintained to help identify critical decisions, mitigate risks, document decisions, and track changes. The risk register is reviewed by the project team monthly and will be used in the future to help manage contingencies. In addition, OFPgM risk management, including conducting qualitative and quantitative risk analyses to support risk identification, risk mitigation planning, and proper risk allocation between KCWTD and the GC/CM on the project will be conducted.

Procurement. During procurement of the GC/CM, procedures will be implemented by King County procurement with support from the OA and the project team to ensure that procurement processes, criteria, and project requirements comply with RCW 39.10. Industry outreach will be conducted in advance of the procurement to incorporate feedback from the industry to ensure that the procurement aligns with industry standards and expectations and remains in compliance with RCW 39.10.

Quality Management. Design reviews, including independent reviews, are conducted at 30%, 60%, and 90% design stages. The GC/CM will participate in design reviews for constructability, sequencing, scheduling, and cost. KCWTD will be the primary party responsible for reviewing preconstruction work provided by the GC/CM and for stakeholder integration for GC/CM engineering deliverables. During construction, field quality control will be the responsibility of the GC/CM; and field quality assurance will be provided by both KCWTD and the OA.

Document Controls. KCWTD document control processes will be used by the GC/CM. These processes include standardized file storage and naming conventions, and tools required for fostering collaboration between KCWTD, the Engineer, and OA for tracking submittal information, RFI, design clarifications, work notifications, and change requests.

Closeout. At the completion of the project, the OA team will prepare a close-out report that will capture pertinent project data and lessons learned.

- A brief description of your planned GC/CM procurement process.

  King County plans to use a multi-phased GC/CM procurement approach:
  - Public outreach including a Request for Information by interested firms.
  - Request for Proposals (RFP Phase 1) with a focus on relevant experience, proposed team, and approach. The RFP phase will shortlist up to three to four firms.

- Request for Fee Proposals (RFFP Phase 2) will focus on construction fee markups and pricing for preconstruction services in order to establish the total price proposal. Shortlisted firms will be invited to interviews and proprietary meetings which may include site tours during the RFFP phase.

- Verification that your organization has already developed *(or provide your plan to develop)* specific GC/CM or heavy civil GC/CM contract terms.

  The well-established Procurement and Payables (P&P) Team, in collaboration with the KC Prosecuting Attorney's Office (PAO) and other stakeholders within the County, developed new GC/CM procurement and contract templates in 2023. KC WTD has successfully used these new documents on both the West Point Treatment Plant programmatic and the Elliott West Wet Weather project specific heavy civil GCCM procurements. KC continues to track lessons learned, ideas for improved language for future procurements, and potential contract refinements. KCWTD's OA will also lend expertise and support to this effort by identifying lessons learned and sharing industry best practices.

7. **Public Body (your organization) Construction History:**
   Provide a matrix summary of your organization's construction activity for the past six years outlining project data in content and format per the attached sample provided: *(See Example Construction History. The applicant shall use the abbreviations as identified in the example in the attachment.)*

   - Project Number, Name, and Description
   - Contracting method used
   - Planned start and finish dates
   - Actual start and finish dates
   - Planned and actual budget amounts
   - Reasons for budget or schedule overruns
   - Small-, minority-, women-, and veteran-owned business participation planned and actual utilization

   Please see Attachment D, Construction History, which includes projects delivered by KCWTD and by other KC departments that have used collaborative delivery methods.

8. **Preliminary Concepts, sketches or plans depicting the project**
   To assist the PRC with understanding your proposed project, please provide a combination of up to six concepts, drawings, sketches, diagrams, or plan/section documents which best depict your project. In electronic submissions these documents must be provided in a PDF or JPEG format for easy distribution. *(See Example concepts, sketches or plans depicting the project.)* At a minimum, please try to include the following:

   - An overview site plan *(indicating existing structure and new structures)*
   - Plan or section views which show existing vs. renovation plans particularly for areas that will remain occupied during construction.
     Note: *Applicant may utilize photos to further depict project issues during their presentation to the PRC.*

   Figure 2 - Site Map represents an overview site map of the project area. Attachment E depicts the alignment of the conveyance system. No plan or section views have been developed to date for the project.

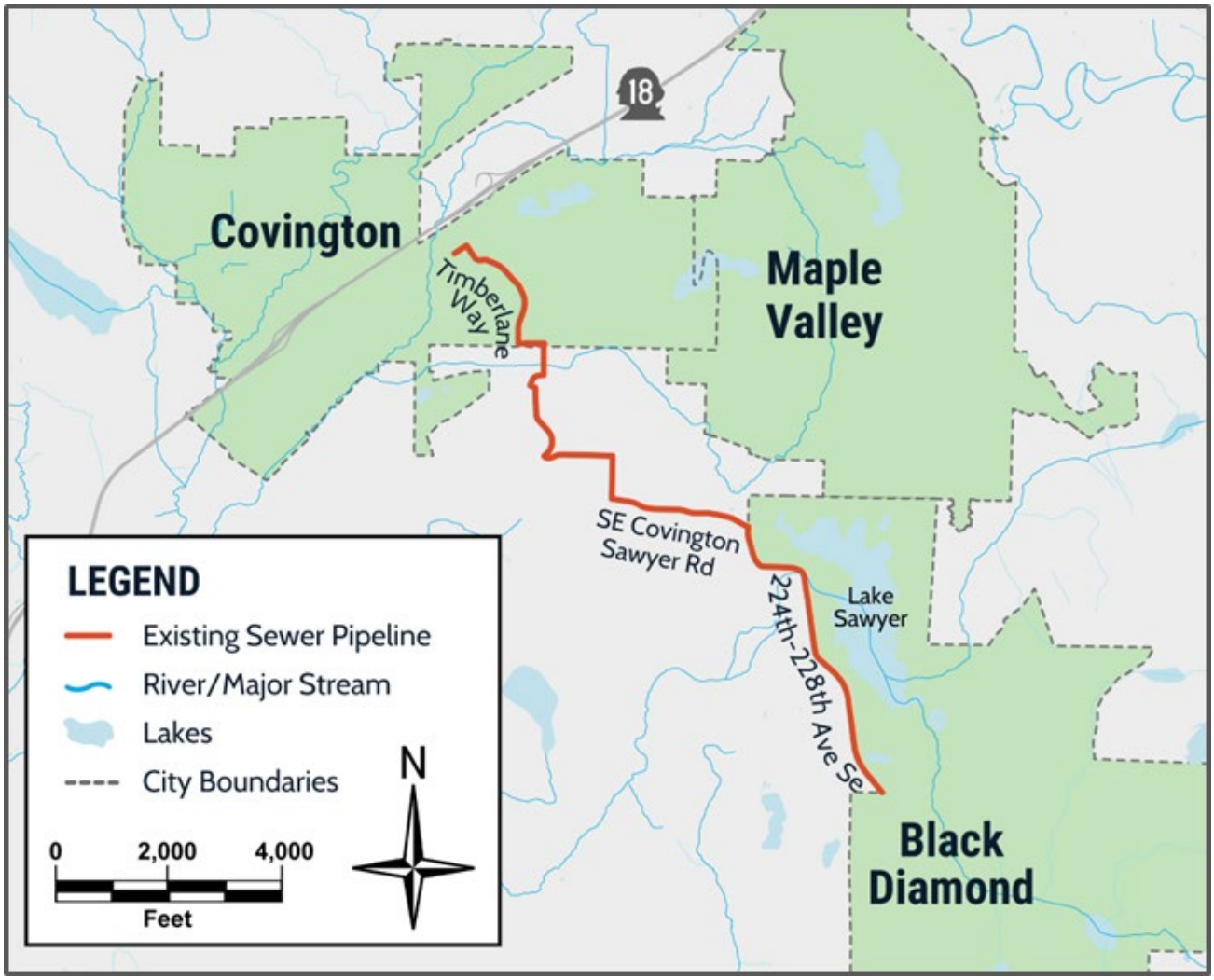


Figure 2 - Site Map

9. Resolution of Audit Findings on Previous Public Works Projects

If your organization had audit findings on ***any*** project identified in your response to Question 7, please specify the project, briefly state those findings, and describe how your organization resolved them.

KCWTD has received no audit findings on any of the public works projects listed in response to Question 7.

10. Subcontractor Outreach

Please describe your subcontractor outreach and how the public body will encourage small-, minority-, women-, and veteran-owned business participation.

King County has held multiple Informational Open House events highlighting upcoming contracting opportunities and the Black Diamond Capacity Upgrade Project has been included in several of these events, which include a combination of virtual presentations, in-person networking events, and one-on-one meetings with the project manager. On April 15, 2024, the project was presented at the King County Contractor Outreach and Networking Event in Federal Way, Washington, which provided networking opportunities for small, minority and women-owned firms and prime contractors/consultants, including availability for one-on-one discussions with King County staff. This networking event was intended for potential prime contractors and consultants and major firms to meet with small, diverse businesses to explore teaming opportunities for upcoming events. On September 4, 2024, the project was presented at the Virtual Informational Open House for Upcoming Contracting Opportunities with KCWTD. Finally, on September 12, 2024, the project was presented at the Regional Contracting Forum, a contractor networking event hosted by the City of Seattle.

King County is a national leader in strategic planning that promotes Equity and Social Justice innovations, including building partnerships with Community-based Organizations and leveraging our Master Community Workforce Agreement with Contractors. A common area of interest is how to influence the spending of government dollars to enhance equity outcomes for small businesses. King County will establish voluntary goals with mandatory Good Faith Efforts (GFE) requirements for the participation of Minority Business Enterprises (MBE) and Women Business Enterprises (WBE) certified by the Washington State Office of Minority and Women Business Enterprises. The voluntary goals will be expressed as a percentage of the total contract value for performance by certified MBE and WBE firms. King County will require the submission of an Equity and Social Justice Innovation Plan (the "Plan"). The Plan formalizes the proposer's approach and the specific actions to maximize work and growth opportunities for certified MBE and WBE firms on the project. The Plan provides a detailed narrative of how the proposer will implement outreach and engagement strategies, identify sub-consultant and subcontractor work opportunities, remove barriers to small and diverse business participation, and provide information on mentoring opportunities, and tools and resources for use in providing technical assistance to certified MBE and WBE firms. The Plan content shall address how the proposer will monitor and measure its efforts to ensure the achievement of the Plan objectives.

King County will instruct the proposer to separately address inclusion strategies for design tasks, construction subcontracting, and equipment and supply purchases from state-certified MBE and WBE firms. Upon contract execution, implementation of the plan shall be mandatory. Consistent with the provisions of RCW 39.10.330 (8), KCWTD's contract with the awarded firm will require the firm to track and report to KCWTD and to the Office of Minority and Women's Business Enterprises (OMWBE) its utilization of OMWBE-certified businesses. During contract performance, the awarded firm will be required to submit monthly reports to the project team detailing the ESJ Innovation Plan activities taken over the past month, as well as those activities planned for the coming month. Additionally, the awarded firm will be required to report all subcontract awards and all subcontractor, subconsultant, and supplier payments monthly into the KCWTD's Diversity Compliance Management System (DCMS). If at any point the awarded firm falls short of the MBE and WBE utilization goals established for the contract, the County may require the submittal of a corrective action plan.

11. Alternative Subcontractor Selection

- If your organization anticipates using this method of subcontractor selection and the scope of work is anticipated to be over $3M, please provide a completed *Supplement A, Alternative Subcontractor Selection Application* document, *one per each desired subcontractor/subcontract package*.
- If applicability of this method will be determined after the project has been approved for GC/CM alternative contracting or your project is anticipated to be under $3M, respond with **N/A** to this question.
- If your organization in conjunction with the GC/CM decide to use the alternative subcontractor method in the future and your project is anticipated to be over $3M, you will then complete the *Supplement B Alternative Subcontractor Selection Application and* submit it to the PRC for consideration at a future meeting.

Use of this method will be determined collaboratively with the GC/CM at a later date, and presented to the PRC in an application supplement if necessary.

CAUTION TO APPLICANTS

The definition of the project is at the applicant's discretion. The entire project, including all components, must meet the criteria to be approved.

SIGNATURE OF AUTHORIZED REPRESENTATIVE

In submitting this application, you, as the authorized representative of your organization, understand that: (1) the PRC may request additional information about your organization, its construction history, and the proposed project; and (2) your organization is required to submit information requested by the PRC. You agree to submit this information in a timely manner and understand that failure to do so may delay action on your application.

If the PRC approves your request to use the GC/CM contracting procedure, you also you also agree to provide additional information if requested. For each GC/CM project, documentation supporting compliance with the limitations on the GC/CM self-performed work will be required. This information may include but is not limited

to: a construction management and contracting plan, final subcontracting plan and/or a final TCC/MACC summary with subcontract awards, or similar.

I have carefully reviewed the information provided and attest that this is a complete, correct and true application.

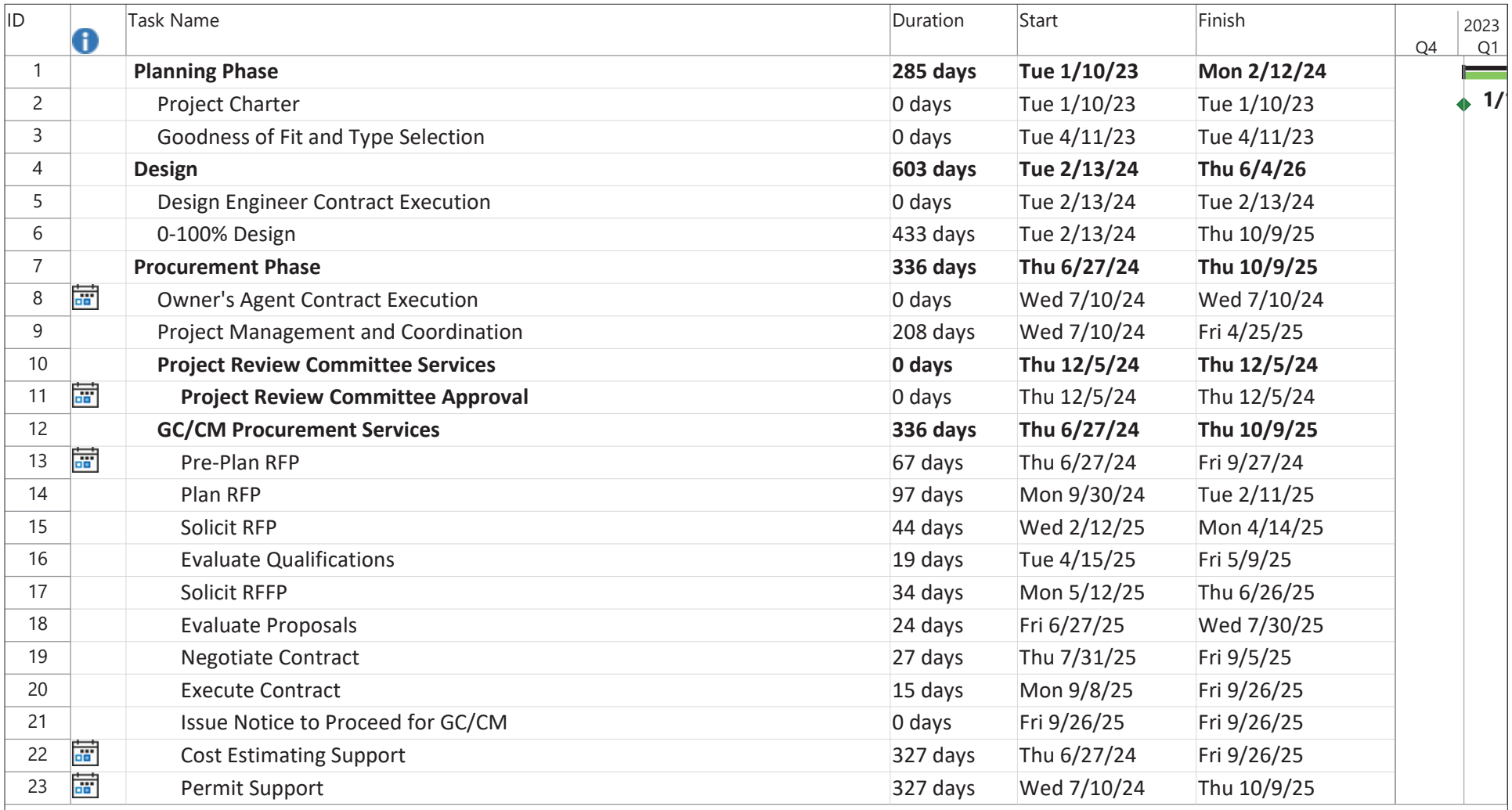
Signature: Signed by: Ann Fowler 2B5B1627247B440... _____

Name *(please print)*: Ann Fowler _____*(public body personnel)*

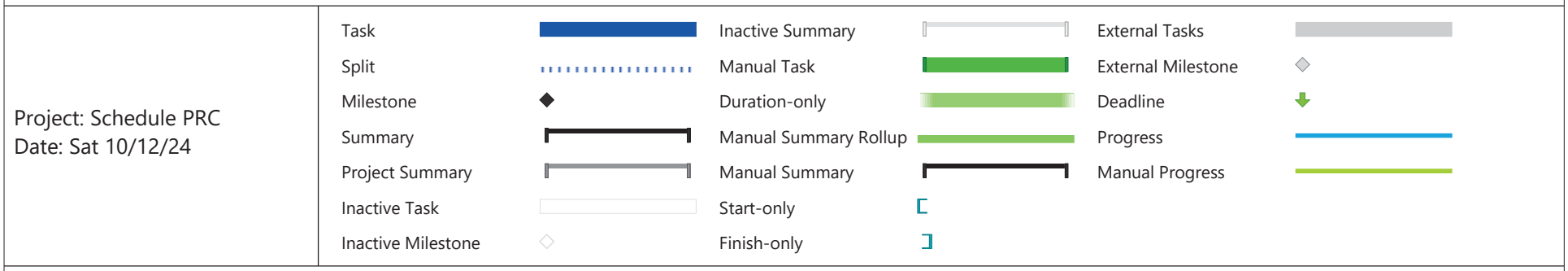
Title: Capital Project Manager _____

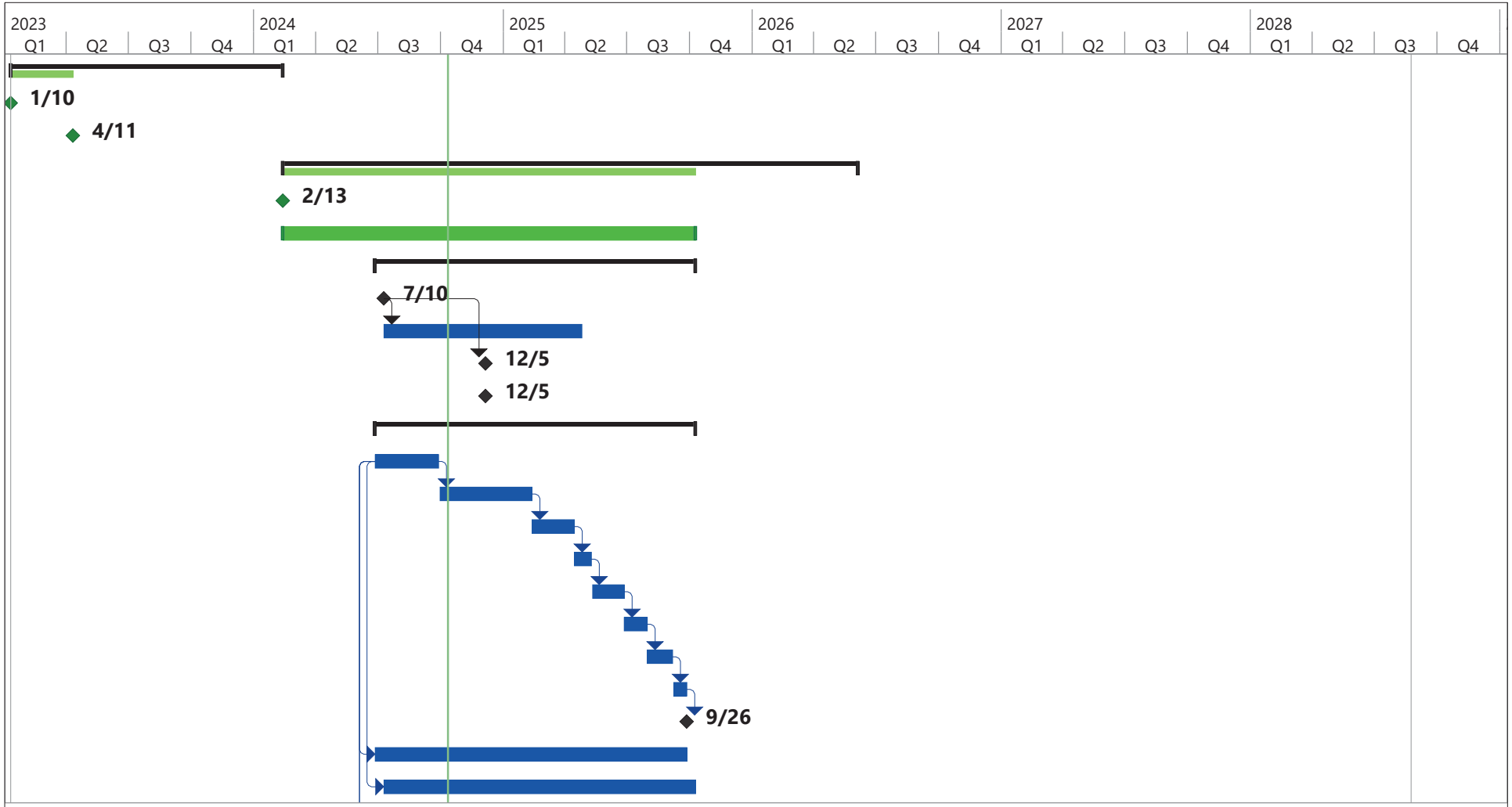
Date: 10/17/2024 _____

ID	Task Name	Duration	Start	Finish
1	**Planning Phase**	**285 days**	**Tue 1/10/23**	**Mon 2/12/24**
2	Project Charter	0 days	Tue 1/10/23	Tue 1/10/23
3	Goodness of Fit and Type Selection	0 days	Tue 4/11/23	Tue 4/11/23
4	**Design**	**603 days**	**Tue 2/13/24**	**Thu 6/4/26**
5	Design Engineer Contract Execution	0 days	Tue 2/13/24	Tue 2/13/24
6	0-100% Design	433 days	Tue 2/13/24	Thu 10/9/25
7	**Procurement Phase**	**336 days**	**Thu 6/27/24**	**Thu 10/9/25**
8	Owner's Agent Contract Execution	0 days	Wed 7/10/24	Wed 7/10/24
9	Project Management and Coordination	208 days	Wed 7/10/24	Fri 4/25/25
10	**Project Review Committee Services**	**0 days**	**Thu 12/5/24**	**Thu 12/5/24**
11	**Project Review Committee Approval**	0 days	Thu 12/5/24	Thu 12/5/24
12	**GC/CM Procurement Services**	**336 days**	**Thu 6/27/24**	**Thu 10/9/25**
13	Pre-Plan RFP	67 days	Thu 6/27/24	Fri 9/27/24
14	Plan RFP	97 days	Mon 9/30/24	Tue 2/11/25
15	Solicit RFP	44 days	Wed 2/12/25	Mon 4/14/25
16	Evaluate Qualifications	19 days	Tue 4/15/25	Fri 5/9/25
17	Solicit RFFP	34 days	Mon 5/12/25	Thu 6/26/25
18	Evaluate Proposals	24 days	Fri 6/27/25	Wed 7/30/25
19	Negotiate Contract	27 days	Thu 7/31/25	Fri 9/5/25
20	Execute Contract	15 days	Mon 9/8/25	Fri 9/26/25
21	Issue Notice to Proceed for GC/CM	0 days	Fri 9/26/25	Fri 9/26/25
22	Cost Estimating Support	327 days	Thu 6/27/24	Fri 9/26/25
23	Permit Support	327 days	Wed 7/10/24	Thu 10/9/25



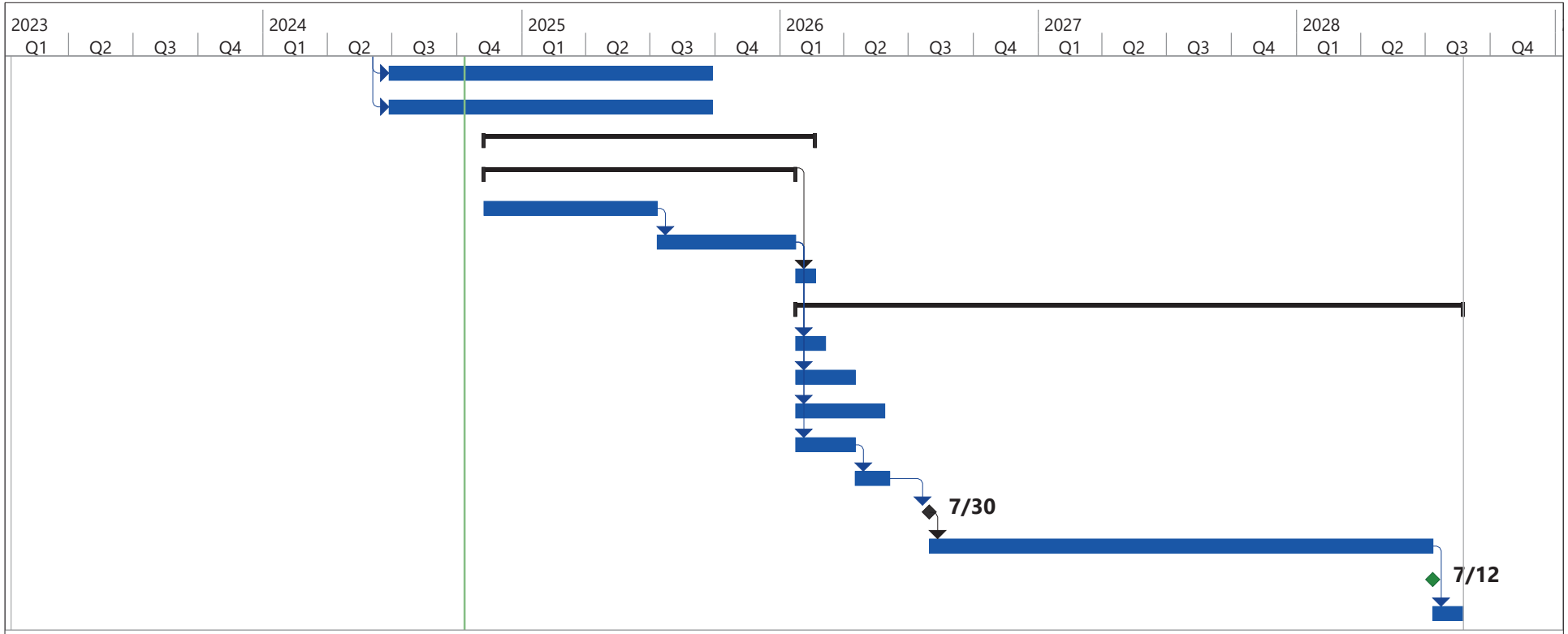
ID	Task Name	Duration	Start	Finish
24	Public Outreach Support	327 days	Thu 6/27/24	Fri 9/26/25
25	Property Support	327 days	Thu 6/27/24	Fri 9/26/25
26	**Preconstruction Phase**	**335 days**	**Fri 11/8/24**	**Thu 2/19/26**
27	**Preconstruction Services**	**315 days**	**Fri 11/8/24**	**Thu 1/22/26**
28	30% Design Deliverable	175 days	Fri 11/8/24	Thu 7/10/25
29	60% Design Deliverable	140 days	Fri 7/11/25	Thu 1/22/26
30	Negotiate GC/CM Maximum Allowable Construction Cost (MACC)	20 days	Fri 1/23/26	Thu 2/19/26
31	**Construction Phase**	**674 days**	**Fri 1/23/26**	**Wed 8/23/28**
32	Deliver Early Work Package 1	30 days	Fri 1/23/26	Thu 3/5/26
33	Deliver Early Work Package 2	60 days	Fri 1/23/26	Thu 4/16/26
34	Deliver Early Work Package 3	90 days	Fri 1/23/26	Thu 5/28/26
35	90% Design Deliverable	60 days	Fri 1/23/26	Thu 4/16/26
36	100% Design Deliverable	35 days	Fri 4/17/26	Thu 6/4/26
37	Construction Notice To Proceed	0 days	Thu 7/30/26	Thu 7/30/26
38	Construction Activities	508 days	Fri 7/31/26	Tue 7/11/28
39	Substantial Completion	0 days	Wed 7/12/28	Wed 7/12/28
40	Final Completion	31 days	Wed 7/12/28	Wed 8/23/28





Project: Schedule PRC
Date: Sat 10/12/24

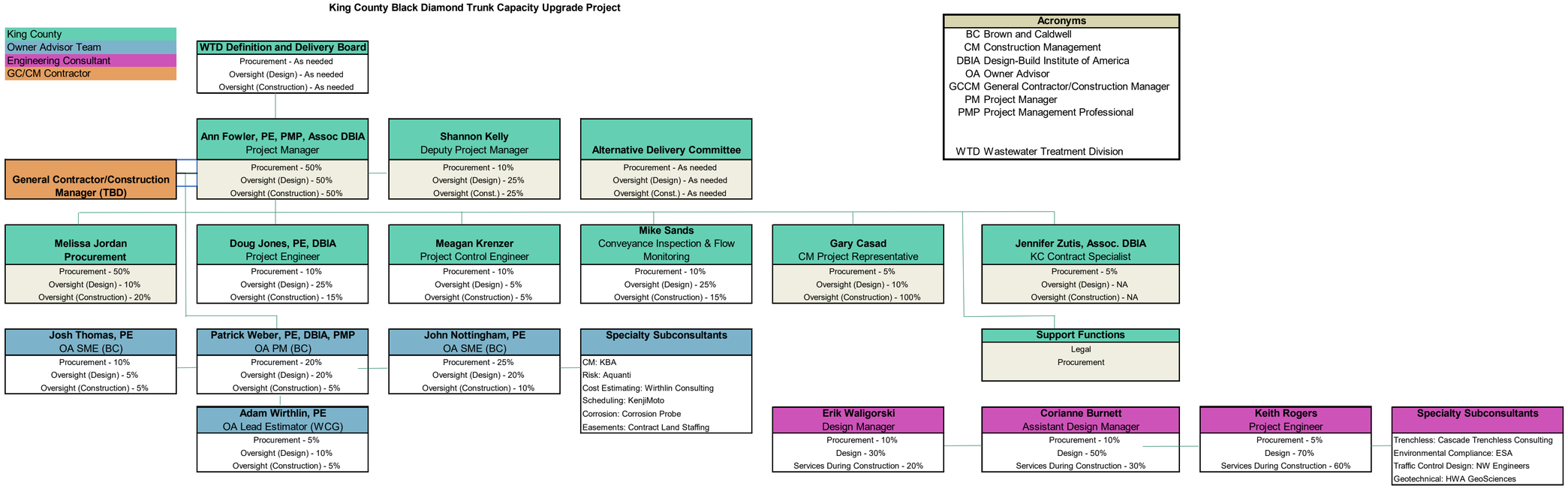
Task		Inactive Summary		External Tasks	
Split		Manual Task		External Milestone	
Milestone		Duration-only		Deadline	
Summary		Manual Summary Rollup		Progress	
Project Summary		Manual Summary		Manual Progress	
Inactive Task		Start-only			
Inactive Milestone		Finish-only			



Project: Schedule PRC
Date: Sat 10/12/24

Task		Inactive Summary		External Tasks	
Split		Manual Task		External Milestone	
Milestone		Duration-only		Deadline	
Summary		Manual Summary Rollup		Progress	
Project Summary		Manual Summary		Manual Progress	
Inactive Task		Start-only			
Inactive Milestone		Finish-only			

Attachment B
Section 6.3 Project Organization Chart
King County Black Diamond Trunk Capacity Upgrade Project



ATTACHMENT C
PROJECT EXPERIENCE AND ROLE

KING COUNTY PROJECT EXPERIENCE						Role during Project Phases		
No	**Name**	**Summary of Experience**	**Project Names**	**Project Size**	**Project Type**	**Planning**	**Design**	**Construct.**
1	Ann Fowler	Ann is a Senior Project Manager with King County's Wastewater Treatment Division with over 15 years of project management experience. She is a registered professional engineer in the State of Washington, a certified Project Management Professional (PMP), and is certified as an Assoc. DBIA professional.	Eastside Interceptor Section 8 (ESI8) Rehabilitation Project, King County WTD	$85M	PDB	PM	PM (Current Phase)	PM (Future Phase)
			Downtown Utility Improvement Project, City of Renton, Washington	$20M	DBB	N/A	PM/PE	PM/PE
			Kennydale Lakeline Sewer Upgrade Project, City of Renton, Washington	$15M	DBB	PM/PE	PM/PE	N/A
			Lift Station and Force Main Rehabilitation Project, City of Renton, Washington	$5M	DBB	PM/PE	PM/PE	PM/PE
2	Doug Jones	Doug is a Principal Wastewater Engineer with King County's Wastewater Treatment Division (WTD) and has over 30 years of experience in public works engineering and is certified as a DBIA professional.	Elliott West Wet Weather Treatment Facility	$500M	GCCM	PE	PE	PE
			ESI8 Sanitary Sewer Rehabilitation	$85M	PDB	PE	PE	PE (Future Phase)
3	Meagan Krenzer	Meagan is a Project Controls Engineer (PCE) with King County's WTD and has over 8 years of experience in private and public works cost control.	WPTP PE and RAS Pipe Restoration, King County WTD	$50M	GC/CM	N/A	PCE	PCE (Future Phase)
4	Shannon Kelly	Shannon is a Project Manager with King County's WTD with over 24 years of project management and civil engineering experience with King County. She is an EIT and has a Master of Public Administration.	KC Road Right-of-Way Inventory Project, KC Fairway 15 Pipe-Ramming, CIP Asset Management Plan for Black River Pump Station, Seattle	>$5M	GC/CM	PM	PM	PM

KING COUNTY PROJECT EXPERIENCE						Role during Project Phases		
			DOT/Seattle Public Utilities/KC WTD – Design Collaboration					
5	Gary Casad	BS in Civil Engineering, 32 years of Construction Experience. Design, Inspections, Review and Issuing of Permits, Heavy and Light Construction, Structures, Developments, Bridges, Roads, Utilities, Locates, Surveying, Boring, Fish Passages, and Creek Bypasses. I have extensive experience working in the Lake Sawyer area.	I-90 Bridge Replacement, 1st. Ave South Draw Bridge, Green River Bridge, Lake Sawyer Church, Ridge at Lake Sawyer, Kentlake High School, Kentlake Highlands, Druids Glen Golf Course Washington National Golf Course. Brownfield Site Restoration/Development.	Small to Large	DBB	N/A	Construction Design Review	WTD Project Representative
6	Melissa Jordan	Contract Specialist III, Procurement and Payables. Melissa has over 6 years of Alternative Public Work Experience and 15 years of public procurement experience. The majority of her experience was spent in Public Work and Capital Project procurement, contract administration, and close outs. Melissa holds a Bachelor's in Business Management, is a Certified Professional Public Buyer (CPPB) and an Associate DBIA. Melissa has conducted multiple procurements for alternative delivery projects under RCW 39.10.	ESI 8 Rehabilitation	$85M	PDB	CS		
			Sound Transit, Lynnwood Link	$471M/ $425M	Heavy Civil GC/CM	CS	CS	CS
			Sound Transit, Roosevelt Station	$154M	GC/CM			CS
			Sound Transit, U District Station	$168M	GC/CM			CS
			Sound Transit, Puyallup Station Access Improvements	$38M	D-B	CS	CS	CS
7	Jennifer Zutis	Procurement Support Specialist, Contract Administrator, King County WTD. Associate DBIA. Jennifer brings over 14 years of public procurement with Seattle Public Schools (SPS) as one of district's Contract Specialists, and 2.5 years as a WTD Internal Procurement Specialist. Jennifer supported	Northgate Elementary School Replacement	$90M	GC/CM	CS	CS	
			John Rogers Elementary School Replacement	$91M	GC/CM	CS	CS	

KING COUNTY PROJECT EXPERIENCE						Role during Project Phases		
		SPS's department lead with about 10 GC/CM projects and assisted with WTD's ESI 8 PDB.	Lincoln High School Modernization	$28M	GC/CM	CS	CS	
			Van Asselt School Addition & Mercer Middle School Replacement Project	$152M	GC/CM	CS	CS	
			ESI Section 8 Rehabilitation	$85M	PDB	CS	CS	

OWNERS ADVISOR PROJECT EXPERIENCE						Role during Project Phases		
No	**Name**	**Summary of Experience**	**Project Names**	**Project Size**	**Project Type**	**Planning**	**Design**	**Construct**
1	Patrick Weber (Brown and Caldwell)	Patrick has over 10 years of experience providing OA services for procurement, design oversight, and construction oversight of alternative delivery projects around the country, including GC/CM and design-build projects.	Mill Creek WTP Slow Sand Filter Improvements, Walla Walla, Washington	$23M	GC/CM	OA Support	OA Support	OA Support
			Eastside Interceptor Section 8 (ESI8) Rehabilitation Project, King County WTD	$85M	PDB	Owner Advisor	Owner Advisor	Pending
			M Street Trunk Rehabilitation, King County WTD	$40M	PDB	Owner Advisor	Owner Advisor	Pending
			Jefferson and Hood Street Surface Water Interceptor PDB, City of Tacoma, Washington	$30M	PDB	Owner Advisor	Owner Advisor	Owner Advisor

OWNERS ADVISOR PROJECT EXPERIENCE						Role during Project Phases		
			Lakeside Redirect Conveyance Improvements, Middletown, Ohio	$13M	PDB	Owner Advisor	Owner Advisor	Owner Advisor
			CSO Storage Basin Project, Middletown, Ohio	$45M	PDB	Owner Advisor	Owner Advisor	N/A
			Coyote Pumping Plant Electrical Upgrades, Valley Water, CA	$18M	PDB	Owner Advisor	N/A	N/A
2	Josh Thomas (Brown and Caldwell)	Josh has 11 years of experience in planning and scheduling, contracts and project oversight, design development, and construction management. As an Owner Advisor, Josh provides procurement and preconstruction services on collaborative delivery projects, including General Contractor / Construction Manager (GC/CM, CM/GC, CMAR), progressive design-build, and fixed-price design-build projects.	South Adams County Water Sanitation District – PFAS Treatment Facility	$68M	GC/CM	Owner Advisor	Owner Advisor	Owner Advisor
			Betasso Water Treatment Facility Upgrade Program (6 Projects)	$20M	GC/CM	Owner Advisor	Owner Advisor	Owner Advisor
			Timpanogoes WWTP Package C	$350M	GC/CM	Owner Advisor	Owner Advisor	Owner Advisor
			Boise Recycled Water Program	$550M	GC/CM	Owner Advisor	Owner Advisor	Owner Advisor
			Nampa WWTP Group G	$40M	GC/CM	Owner Advisor	Owner Advisor	Owner Advisor
			Nampa WWTP Group F	$165M	PDB	Owner Advisor	Owner Advisor	Owner Advisor
			Mountain Home AFB Pump Station and Pipeline	$26M	FPDB	Owner Advisor	Owner Advisor	Owner Advisor
3	John Nottingham (Brown and Caldwell)	John has a breadth of experienced as a Professional Engineer with a	City of Everett – WPCF Phase C	$21M	GC/CM	Owner	Owner	Owner

OWNERS ADVISOR PROJECT EXPERIENCE						Role during Project Phases		
		background in the planning, design, and construction management of municipal water and sewer projects. His background includes over 26 years of experience in project management with 12 years as a Consulting Engineer and 14 years as an Owner in the public sector. Alternative project delivery experience includes the management of three complex City of Everett projects including one General Contractor/Construction Manager (GC/CM), and 2 Progressive Design Build projects.	City of Everett – Reservoir 3	$3M	PDB	Owner	Owner	Owner
			City of Everett – WFP Phase 2	$29M	PDB	Owner	Owner	Owner
4	Adam Wirthlin (Wirthlin Consulting Group)	Adam has 20 years of experience in construction and cost estimating, including providing independent cost estimates and related negotiations support for alternative delivery projects.	Silicon Valley Clean Water - Front of Plant: Stage 1 & 2	$100M	PDB	Owner Advisor – Independent Cost Estimator (ICE)	Owner Advisor – ICE	Owner Advisor - ICE
			Soquel Creek Water District – Pure Water Soquel Pipeline	$35M	PDB	Owner Advisor – ICE	Owner Advisor – ICE	Owner Advisor – ICE
			Bend SEAP Pump Station & Pipeline	$26M	PDB	Owner Advisor – ICE	Owner Advisor – ICE	Owner Advisor – ICE
			Sound Transit – Northgate Extension N140 Contract	$160M	GC/CM	Owner Advisor – ICE	Owner Advisor – ICE	Owner Advisor – ICE

OWNERS ADVISOR PROJECT EXPERIENCE						Role during Project Phases		
			Sound Transit – Northgate Extension N150 Contract	$130M	GC/CM	Owner Advisor – ICE	Owner Advisor – ICE	Owner Advisor – ICE
			Sound Transit – Northgate Extension N160 Contract	$175M	GC/CM	Owner Advisor – ICE	Owner Advisor – ICE	Owner Advisor – ICE
			RiverRenew Expansion	$500M	D-B	Owner Advisor – ICE	Owner Advisor – ICE	Owner Advisor – ICE
			Snapfinger Water Conveyance	$250	D-B	Owner Advisor – ICE	Owner Advisor – ICE	Owner Advisor – ICE

ENGINEERING CONSULTANT PROJECT EXPERIENCE						Role during Project Phases		
No	**Name**	**Summary of Experience**	**Project Names**	**Project Size**	**Project Type**	**Planning**	**Design**	**Construct.**
1	Erik Waligorski	Erik's professional engineering experience is in sewer system design, comprehensive planning, and project and construction administration and management. His 27 years of experience includes specialized expertise in trenchless pipeline projects, having completed projects involving microtunneling, horizontal directional drilling (HDD), auger boring, pipe ramming, slip lining, and pipe bursting.	Lake Oswego Blue Heron	$981K	CM/GC	N/A	Support	Support
			King County Black Diamond Preliminary Design	$4.1M	GC/CM	N/A	Consultant PM	Pending
			Grants Pass WTP Design	$6.2M	CM/GC	N/A	Support	Support
			Oak Harbor Wastewater Treatment Plant Design	$17.8M	GC/CM	N/A	Support	Support

ENGINEERING CONSULTANT PROJECT EXPERIENCE						Role during Project Phases		
		He has experience in a variety of project delivery approaches including traditional design-bid-build, design-build, and GC/CM.						
2	Corianne Burnett	Corianne is a senior engineer with 20 years of experience in program management, municipal wastewater and drinking water design, water resource management, and water quality control. She has been involved in numerous conveyance and sewer pipeline designs in the Northwest, including those delivered using alternative delivery methods.	Lake Oswego Blue Heron	$981K	CM/GC	N/A	Consultant APM	Consultant APM
			King County Black Diamond Preliminary Design	$4.1M	GC/CM	N/A	Consultant PM	Pending
			TVWD/Slayden 189th Pump Station and Pipeline	$2M	PDB	N/A	Consultant PM	Consultant PM
			Willamette Water Supply Program	$1.6B	CM/GC	Owner Advisor	Owner Advisor	Owner Advisor
3	Keith Rogers	Keith Rogers is a civil engineer with 12 years of design experience on a variety of municipal water, wastewater, and stormwater projects. He has produced design documents that incorporate client standards and minimize construction risk exposure.	TVWD/Slayden 189th Pump Station and Pipeline	$2M	PDB	N/A	Consultant PM	Consultant PM
			King County Black Diamond Preliminary Design	$4.1M	GC/CM	N/A	Consultant PM	Pending

ATTACHMENT D
CONSTRUCTION HISTORY

King County - Construction History (10 years)												
Project No.	**Project Name**	**Project Description (1-2 sentence description)**	**Contracting Method**	**Planned Start (MM/YY)**	**Planned Finish (MM/YY)**	**Actual Start (MM/YY)**	**Actual Finish (MM/YY)**	**Planned Budget ($X.XM)**	**Actual Budget ($X.XM)**	**Reason for Budget or schedule overrun**	**SCS/WBE/MBE Project % Goals**	**SCS/WBE/MBE Project % Actual Util.**
1.	Lake Hills Interceptor Phase 2	The scope of this project included design and implementation of the rehabilitation of approximately 7,200 linear feet of the Lake Hills Interceptor, located in Bellevue.	D-B-B	11/2018	12/2020	11/2018	10/2023	$29M	$20.4M	Project encountered design delays due to complexities associated with a new lining technology.		
2.	Eastside Interceptor Lining (Section 2)	The scope of this project included design and implementation of the rehabilitation of approximately 3,900 linear feet of the Eastside Interceptor Section 2 (ESI 2), located in Renton.	D-B-B	3/2019	3/2020	3/2019	9/2020	$28.3M	$22.6M	Pipe rehabilitation was completed February 2020; the September 2020 finish listed here reflects issuance of final acceptance.	8% SCS	11.763% SCS
3.	Kent-Auburn Conveyance System Improvements (Phase B)	The scope of this project included the design and construction of the Pacific Pump Station Discharge and Auburn West Interceptor Parallel pipelines. The pipelines totaled about 3 miles in length and include regions of both force main and gravity sewer, ranging in diameter from 16 inches to 48 inches.	D-B-B	1/2017	12/2019	2/2017	1/2020	$27.4M	$22.9M	NA	Not Available	Not Available
4.	North Creek Interceptor	This project increased the capacity of part of the North Creek Interceptor Sewer serving southwestern Snohomish County. The project involved replacement of 10,000 LF of existing gravity pipe with larger gravity pipes, 36 to 48 inches in diameter. Both trenchless (open face shield tunneling and pipe ramming) and open trench construction methods were used.	D-B-B	3/2014	6/2017	2015	2021	$39.5M	$63.0M	The original construction contract was terminated with the initial contractor for inability to complete the work. A project-specific work order was issued under the January 19, 2017, Executive determination of emergency to complete the project. The change in budget and schedule represents increases in both cost and time for construction, consultant, construction management, permitting/easement and staff costs needed to complete the project due to this issue.	Not Available	Not Available

King County - Construction History (10 years)												
Project No.	**Project Name**	**Project Description (1-2 sentence description)**	**Contracting Method**	**Planned Start (MM/YY)**	**Planned Finish (MM/YY)**	**Actual Start (MM/YY)**	**Actual Finish (MM/YY)**	**Planned Budget ($X.XM)**	**Actual Budget ($X.XM)**	**Reason for Budget or schedule overrun**	**SCS/WBE/MBE Project % Goals**	**SCS/WBE/MBE Project % Actual Util.**
5.	Rainier Valley Wet Weather Storage	This scope of this project included the design and construction of a 0.34-million-gallon, off-line storage tank and install conveyance that will divert flows during storm events from the Hanford trunk to the Bayview tunnel.	D-B-B	10/2015	1/2018	5/2016	5/2019	$20.0M	$19.6M	Advertisement was delayed due to the Worthington property acquisition (use and possession was granted in August 2015) and Facility Plan approval from the Department of Ecology.	Not Available	Not Available
6.	Pier 50 Float Replacement	Design, construct and deliver a "turn-key" ready for use concrete float (approx. 117'x30') for the King County Water Taxi at the new WSF Colman Dock.	D-B	02/2018	09/2018	03/2018	05/2019	$7.2M	$8M	Float delivery to Colman Dock delayed due to WSF construction delay. Budget changes due to moorage costs, float installation costs and steel guide pile hoop design change.	Not Available	Not Available
7.	Judge Patricia Clark Children and Family Justice Center – Phase A	New Facility to replace the Youth Services Center (YSC)	D-B	03/2015	04/2020	03/2015	TBD	$154M	$188M	The schedule for the Children and Family Justice Center was extended primarily due to permitting delays resulting from legal challenges. Budget increases were driven by owner-requested changes, unforeseen conditions (soils), permitting delays, and changes in law. While the project has been substantially complete (Phase 1a-Courthouse & Detention) since late 2019 and (Phase 1b – Garage & Alder School) since July of 2021, there are a few small issues being worked on to get the contract to close out.	17% SCS 6% WBE 10% MBE	15.891% SCS 2.184% WBE 0.022% MBE
8.	Interim Base Electrification (IBE)	Infrastructure for charging of electric buses (diesel to electric)	D-B	08/2021	02/2025	12/2021	Current	$60M	$94M Ongoing	Escalation due to pandemic and long lead to acquiring equipment.	13% SBE	13.367 SBE

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Project No.	**Project Name**	**Project Description (1-2 sentence description)**	**Contracting Method**	**Planned Start (MM/YY)**	**Planned Finish (MM/YY)**	**Actual Start (MM/YY)**	**Actual Finish (MM/YY)**	**Planned Budget ($X.XM)**	**Actual Budget ($X.XM)**	**Reason for Budget or schedule overrun**	**SCS/WBE/MBE Project % Goals**	**SCS/WBE/MBE Project % Actual Util.**
9.	Atlantic Base Refurbishment	Replace all concrete paving and underground infrastructure (including storm drainage, sanitary sewer, industrial waste disposal system, buried power lines, natural gas supply system, domestic and fire water mains, and storage tanks) in the bus storage yard at King County Metro's Atlantic Base in Seattle.	GC/CM	12/2021	11/2025	12/2021	Current	$32M	Ongoing		15% SBE	Pending
10.	Harborview Maleng Building Single Patient Rooms Project	Convert two outpatient clinic floors in Maleng building into single patient rooms and renovate two floors in Ninth and Jefferson Building (NJB) into outpatient clinics.	D-B	11/2021	06/2025	11/2021	Current	$75M	$78M Ongoing	Harborview requested additional scope and will be providing additional budget ($3M) for this project.	20% MBE 5% WBE	19.650% MBE 5.860% WBE