

State of Washington
PROJECT REVIEW COMMITTEE (PRC)
APPLICATION FOR PROJECT APPROVAL
*To Use the Design-Build (DB)
Alternative Contracting Procedure*

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

Identification of Applicant

- a) Legal name of Public Body (your organization):
King County Department of Natural Resources and Parks Wastewater Treatment Division (KCWTD)
- b) Mailing Address: 201 South Jackson Street, Suite 500 Seattle, WA 98104
- c) Contact Person Name: Scott Mingus Title: Capital Project Manager
- d) Phone Number: 206-263-9082 E-mail: scott.mingus@kingcounty.gov

1. Brief Description of Proposed Project

- a) Name of Project: South Interceptor Rehabilitation
- b) County of Project Location: King
- c) Please describe the project in no more than two short paragraphs. (*See Attachment A for an example.*)
The South Interceptor Rehabilitation project is located in Renton, Washington. This segment of the South Interceptor is the northern most section, connecting to the Eastside Interceptor inside the KCWTD South Treatment Plant, which is the primary influent line to the facility. The project will repair over 1,600 linear feet (LF) of severely deteriorated 72-inch, 78-inch and 90-inch diameter reinforced concrete sewer pipe and rehabilitate up to seven maintenance holes along the South Interceptor. This work will require high-capacity sewer diversion pumping through temporary piping (both buried and above grade) and odor control at each discharge location.

2. Projected Total Cost for the Project:

A. Project Budget

Costs for Professional Services (A/E, Legal etc.)	\$4,033,203
Estimated project construction costs (<i>including construction contingencies</i>):	\$15,303,632
Equipment and furnishing costs	\$0
Off-site costs	\$0
Contract administration costs (owner, cm etc.)	\$4,595,050
Contingencies (design & owner)	\$6,769,718
Other related project costs (briefly describe)	\$3,960,494*
Sales Tax	\$1,860,008
Total	\$36,522,105

*Permitting, right-of-way, sustainability and escalation.

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. KCWTD may consider applying for Water Infrastructure Finance and Innovation Act (WIFIA) funding, however availability of that potential funding source does not impact KCWTD's ability to proceed with awarding and executing the Contract for this project and constructing planned improvements.

3. Anticipated Project Design and Construction Schedule

Please provide (*See Attachment B for an example schedule.*):

The anticipated project design and construction schedule, including:

- a) Procurement;

- b) Hiring consultants if not already hired; and
- c) Employing staff or hiring consultants to manage the project if not already employed or hired.

The key project tasks and milestone dates are summarized below. See Attachment A, Project Schedule, for a more detailed schedule breakdown.

<u>Project Task</u>	<u>Start Date</u>	<u>Completion Date</u>
Owner Advisor Procurement	04/2024	06/2024
Project Review Committee Process	07/2024	09/2024
PDB Procurement Process and Contract Execution	09/2024	09/2025
PDB Design and Preconstruction (to GMP)	09/2025	10/2027
PDB Final Design and Construction	10/2027	03/2029
Construction Substantial Completion	01/2029	01/2029

4. Explain why the DB 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 (DB) or General Contractor/ Construction Manager (GCCM) delivery methods. The process includes “type selection” scoring by an internal delivery committee with relevant WTD stakeholders to determine the best or optimal delivery method. The South Interceptor Rehabilitation project went through this process. The delivery committee determined that the Progressive DB (PDB) method would be the best method for achieving the project goals, consistent with the criteria identified in RCW 39.10 for the use of DB, based on the key project attributes described below.

- If the construction activities are highly specialized and a DB approach is critical in developing the construction methodology (1) What are these highly specialized activities, and (2) Why is DB critical in the development of them?

The two primary components of this project are rehabilitation of the existing large diameter sewer conveyance pipeline, and temporary high-capacity diversion of sewer flows via temporary piping and pumping to facilitate the rehabilitation of the existing pipe “in the dry”. Both lining of large diameter sewer and the large sewer diversion system needed to do the work are highly specialized construction activities, and require complex planning, sequencing, and implementation to conduct efficiently and safely. The sewer diversion 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 prior to discharging flows back into the system downstream of the rehabilitation section. The Contractor will be responsible for managing pumping systems, monitoring flows, and providing required odor control. A robust safety plan and protocol will also be established to ensure the safety of workers during the rehabilitation work, including specific actions (like evacuating in-pipe workers) based on upstream flow rates. A portion of the existing South Interceptor pipe is also located near environmentally sensitive areas, which may complicate the rehabilitation. Lastly, the pipe relining work must be completed during a dry weather work window from June 1st to September 30th when flows in the conveyance system are seasonally low.

The project will benefit from the use of the PDB delivery method by obtaining early input from the design-builder to develop strategies around work sequencing and construction methodologies, gain necessary permitting and other approvals, and complete the project on schedule. Specific technical and construction challenges that PDB delivery was selected to address include:

Early Specialized Input. The PDB method maximizes the opportunity for KCWTD and the design-build team (the design-builder, designer, and the pipe relining subcontractor) to function as an integrated team and develop a project plan to address project challenges earlier on in the project lifecycle. Temporary sewer diversion system pumps, piping and odor control equipment can be disruptive to the public, and the project area includes crossing a major arterial, nearby sensitive areas and a community

trail, and potential traffic impact to local businesses. The design-builder will be able to provide early input regarding phasing, sequencing and constraints to mitigate impacts to the public and KCWTD operations, and needed coordination with other KCWTD or City of Renton projects in the area. With DBB or GCCM methods, this type of engagement with specialty subcontractors could not occur until relevant subcontract bid packages are prepared and awarded. PDB maximizes the early specialized input and operational coordination between KCWTD and the DB prior to construction.

Lining Technology Selection. A particular area in which the project would benefit from specialized expertise is DB input on potential lining technologies. The DB will help the County select a lining technology that addresses the project's specific needs and operational requirements, can be obtained within the desired project schedule, and, critically, that can be installed in one summer construction season. Early selection of rehab method and quantities and the potential for early procurements under DB delivery will help address long lead time items to support the project schedule.

Sewer Diversion Planning. One of the key challenges for this project will be navigating permitting and approvals from local and state authorities for the temporary diversion system, given the constraints and potential community impacts. Design-builder specialized knowledge and innovation is needed to identify optimal approaches for diversion routing and methods. Early design effort on sewer diversion plans will allow the DB to start the permitting and approvals process early, with accurate construction methods and sequencing information.

Access Planning. Pipe and maintenance hole rehabilitation will be completed by workers accessing the existing pipe while flows are diverted to create an accessible working environment. This work is highly specialized and requires careful planning and input to address human safety considerations (e.g., access points, retrieval, ventilation, etc.) and effectively complete the work.

Risk Reduction. Having a single design and construction team responsible for design and implementation of the sewer diversion and liner systems will reduce the length of intervals between design and construction activities, and the risk of changes during construction, relative to DBB and GCCM delivery methods.

- If the project provides opportunity for greater innovation and efficiencies between a designer and builder, describe these opportunities for innovation and efficiencies.

The collaborative nature of PDB will allow increased project efficiencies by leveraging the design-builder's collective expertise during the pre-construction stages to make the right decisions about how to do the project (e.g., technologies, bypass approach, construction planning and sequencing, permitting) in order to complete the work within a single construction season. This includes developing optimal construction sequencing strategies (including potential early works packages) to meet schedule constraints (i.e., an allowable in-pipe work window of June 1 – September 30, as well as any seasonal and jurisdictional work hour limitations determined to apply).

The South Interceptor project is very similar (large diameter sewer rehabilitation, high-capacity temporary sewer bypass) to KCWTD's ongoing ESI Section 8 sewer rehabilitation project, which is also being delivered using PDB. The ESI 8 project is in the alternatives analysis stage, and KCWTD has already observed benefits of contractor input in the design, including:

- Early cost input to support informed alternatives evaluation and selection.
- Assistance with vetting pipe lining methods that can be constructed in one summer construction season.
- Interaction with WSDOT and consideration of a wide range of options (including constructability and cost input) for a sensitive buried sewer diversion pipe crossing of I-405.

The early success of the ESI Section 8 project lends support to the selection of PDB delivery for the South Interceptor project.

- If significant savings in project delivery time would be realized, explain how DB can achieve time savings on this project.

PDB 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 permitting processes and stakeholder engagement.

- Enhanced collaboration throughout design and construction, reducing the risk of changes and delays.
- The potential for early work packages to procure long-lead items or conduct early construction activities to prepare for the diversion system or pipe and maintenance hole rehabilitation.

The PDB approach will compress the traditional Design-Bid-Build (DBB) project delivery schedule, consolidating the design and construction procurements into a single combined procurement and avoiding a construction procurement period. The design phases will be reduced because documentation (e.g., plans, specifications, reports) will be developed to the extent necessary for permitting and construction, rather than to the more robust level typically needed for competitive construction bidding. In a traditional design-bid-build contracting approach, the permitting would be acquired prior to the advertisement of the construction work, thus the details would be determined without the input of the contractor completing the work. Design documents may also be broken into packages to support advancement of permitting processes and potential early works packages (e.g., potential early procurement of materials, installation of bypass piping) prior to completion of the full project construction documents. The ability to engage the contractor early in the process allows us to incorporate the expertise and innovation of the contractor prior to, and concurrently with permitting submittal. This allows the project team to align the permit packages with the construction sequencing to allow for a more efficient permitting process.

5. Public Benefit

In addition to the above information, please provide information on how use of the DB contracting procedure will serve the public interest. For example, your description must address, but is not limited to:

- How this contracting method provides a substantial fiscal benefit; or
- How the use of the traditional method of awarding contracts in a lump sum (*the “design-bid-build method”*) is not practical for meeting desired quality standards or delivery schedules.

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 South Interceptor Rehabilitation project will ensure the reliability of a key part of the regional wastewater treatment system, particularly with its connection to the Eastside Interceptor and influent line to the South Treatment Plant.

PDB 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 a single design and construction team.
- Additional schedule certainty from integrated contractor construction planning and sequencing, providing confidence that the work can be completed in one construction season, a key factor in controlling project costs.

As noted in Section 4, traditional DBB delivery is not practical to provide the specialized expertise early in the project needed to address key project challenges related to sequencing, permit acquisition and construction approvals to meet schedule. By selecting the most qualified team based on experience and pricing factors, rather than solely on lowest price, the construction process and finished rehabilitation work will safeguard public health, minimize disruption to the regional wastewater conveyance system, and impact in the vicinity of the project.

Additionally, while KCWTD considered GC/CM delivery for this project, PDB was preferred in part because construction planning is such a critical part of this project, and the integrated team under PDB delivery requires the contractor to have a more prominent role in project decisions during the design phase.

6. Public Body Qualifications

Please provide:

- A description of your organization's qualifications to use the DB 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 DB 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. Pursuant approvals by the PRC, various KCWTD departments and divisions have utilized alternative delivery methods authorized by RCW 39.10, including DB and GCCM contracting procedures, on a number of projects over the past ten years. KCWTD utilized the GCCM 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 GCCM for wastewater treatment plant electrical upgrades (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 GCCM delivery methods. The ADC has established a process for approval of Alternative Public Works contracting approach, 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 GCCM and PDB alternative delivery methods.

KCWTD has multiple facets 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 GCCM 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.

Owner Advisor. To support and assist KCWTD, an Owner Advisor (OA) consultant team including OA Lead Josh Thomas and OA SME Patrick Weber, who is DBIA certified, will support the project team. The OA team has extensive experience supporting owners with the procurement, delivery, and oversight of PDB projects, and is currently assisting KCWTD with delivery of their first two PDB 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 Attachment C for an example.)

Refer to Attachment E Organization Chart.

- Staff and consultant short biographies that demonstrate experience with DB contracting and projects (not complete résumés).

Scott Mingus, King County WTD, Role: Project Manager

Relevant Experience: Scott is a project manager with King County's Wastewater Treatment Division (WTD) and has over seven years of capital project management experience covering traditional design-bid-build contracts. Scott is a certified PMP and has managed large scale complex capital improvement projects including conveyance improvement (replacement and rehabilitation) and facility system upgrades.

Robert Hanlon, P.E., King County WTD, Role: Project Engineer

Relevant Experience: Robert is a Senior Project Engineer with King County's Wastewater Treatment Division (WTD), bringing 14 years cross-disciplinary experience within public works infrastructure projects, industrial facilities, and oil & gas, specializing in design-build corrosion engineering projects. His role supports resilient operations of sewer conveyance & treatment facilities, focusing on civil engineering design, facilitating maintenance/repair projects, and continuous improvement of specifications. Robert uses cross-sector knowledge and ISI Envision framework to ensure capital infrastructure planning addresses future challenges through sustainability, collaboration, and innovation.

Bryon Slatten, Coating and Lining Specialist, King County WTD, Role: Wastewater Lining Systems and Rehabilitation SME

Relevant Experience: Bryon has worked in WTD's Operations, Construction, and Engineering Units for 29 years and is an AMPP Senior Certified Coatings Inspector. Bryon has provided engineering assistance and field inspection support on a variety of wastewater conveyance and treatment projects, and plays a key role in identifying key lining and rehabilitation technologies and industry best practices. Bryon is currently supporting King County's first two PDB sewer rehabilitation projects.

Bob Isaac, Lining Program Manager, King County WTD, Role: Sewer Rehabilitation Advisor

Relevant Experience: Bob has been in inspection, maintenance, and rehabilitation of the King County wastewater system for over 35 years. He has certification from the National Association of Corrosion Engineers (NACE/AMPP) as a Corrosion Technologist. Bob has been directly involved as the County's engineering representative in pipeline rehabilitation on numerous projects utilizing a variety of rehabilitation methods. He currently manages the long-term planning for the rehabilitation program and is serving on project teams as a subject matter expert. Bob is currently supporting King County's first two PDB sewer rehabilitation projects.

Construction Management Project Representative

A CM PR has not yet been assigned. The project team will secure staff with required experience during design to ensure early engagement, input and as smooth of a transition as possible. The PR will provide the day-to-day coordination with the CM consultant staff and the design-builder.

Trisha Roth, Associate DBIA, CPPB, MSTM, BSBA. Role: WTD Procurement Support and Contract Administration

Relevant Experience: Trisha brings more than 20 years of experience in both public and private sector with a firm background in project management and contract administration, particularly for capital projects. Trisha holds a Master of Science in Transportation Management, Associate DBIA and Certified Professional Public Buyer (CPPB) certifications. Trisha has direct DB procurement experience working as the Contract Specialist on the KCM Pier 50 Float Replacement (2017), Interim Base Electrification (IBE) project (2020), and M Street Trunk Rehabilitation project approved by the PRC in 2023. Trisha also worked as backup CS for the Harbor Maleng Single Patient Rooms project, and managed execution of the GMP change order after the primary CS departed. Prior to KC, Trisha worked for Sound Transit (2013-2017) and was exposed to DB delivery methods supporting senior contract specialists.

Melissa Jordan, 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 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.

Josh Thomas, P.E., Brown and Caldwell Role: Owner Advisor

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 progressive design-build, fixed-price design-build, and Construction Manager / General Contractor (GC/CM). Josh has served as Owner Advisor on more than 10 projects with negotiated construction pricing (PDB, GC/CM).

Patrick Weber, P.E., PMP, DBIA, Brown and Caldwell Role: Owner Advisor SME

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, focused primarily on progressive design-build (PDB). Patrick has provided OA services for more than 15 PDB projects, including six PDB OA projects in the Puget Sound region. He has experience applying PDB principles to the particular challenges of utility conveyance projects.

- Provide the **experience and role on previous DB projects** delivered under RCW 39.10 or equivalent experience for each staff member or consultant in key positions on the proposed project. (See Attachment D for an example. The applicant shall use the abbreviations as identified in the example in the attachment.)

See Attachment B, 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.

Note: For Design-Build projects, you must have personnel who are independent of the Design-Build team, knowledgeable in the Design-Build process, and able to oversee and administer the contract.

The County's project manager, Scott Mingus, has over 7 years of project management experience covering traditional design-bid-build contracts. Scott is a certified PMP and has managed large scale complex capital improvement projects including conveyance improvement (replacement and rehabilitation) and facility system upgrades.

The County's OA team, including Josh Thomas, Patrick Weber, and additional OA support staff, have extensive experience supporting owners through PDB projects, including linear conveyance projects. Both Josh and Patrick are committed to overseeing the project and working closely with Scott 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.

- 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 South Interceptor Rehabilitation project.

Scott Mingus has significant project management experience from planning through design and construction with KCWTD, and is backed by the experience, depth, and senior leadership of KCWTD's Capital Projects Group. Scott will report to KCWTD's Definition and Delivery Board, which is responsible for oversight of capital projects. Project Engineer Robert Hanlon has completed numerous design-build projects related to corrosion mitigation for municipal operators, focused on agile Contractor/Consultant coordination. In addition, Bob Isaac manages KCWTD's lining program and has provided technical support on inspection, maintenance, and pipeline rehabilitation for KCWTD for over 35 years. 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 DB 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.

KC has a dedicated project manager assigned to the project, from the beginning of procurement to the end of construction. In addition to the established project management organizational structure within KCWTD, the project team will establish a Project Governance Structure with the PDB to provide defensible and timely decisions that allow the project to move forward expeditiously while ensuring the best interests of KC are being served. The governance structure will be developed at the beginning of the project upon award of the PDB contract and will remain in place throughout the project. The County team will be supported by PDB delivery experts on the OA team, who can help the County and DB work through and resolve management, technical, and contractual questions, and issues as they arise.

As the Project Manager, Scott has the authority to authorize decisions of the project team within the scope, budget, and contingencies of the project, as well as change authority up to an aggregate of \$500,000. Changes beyond this level of authority are approved by upper management through the established change review protocols for construction contracts.

KCWTD and Brown and Caldwell will be implementing project control procedures that address all aspects of the project from predesign through closeout. These procedures build on standard capital project management procedures used by KCWTD, tailored for PDB delivery. Detailed project control procedures address design development and reviews, scheduling, cost control and quality assurance, and closeout. A project-specific risk register will be developed to identify and mitigate risks. The risk register will be updated throughout the Project and will be used to develop and allocate design-builder and KCWTD contingencies.

During procurement of the design-builder, procedures will be implemented by King County procurement with support from the OA and project team to ensure that the procurement process, criteria, and project requirements comply with RCW 39.10. The County and Design-Builder will implement design reviews, design logs and trend logs throughout the course of design development to ensure that the project goals, criteria, and requirements are met by the design packages. KCWTD will be the primary party responsible for engineering reviews related to design development by the design-builder, and stakeholder integration related to engineering development by the design-builder. KCWTD, with the assistance of the OA team, will lead the team in construction price negotiations with the design-builder in a transparent and open book manner. In construction, field quality assurance will be a combined team effort, with KCWTD and OA providing oversight of the work. Quality control and implementation of quality processes will be the responsibility of the design-builder, including the design-builder's engineer of record. KCWTD's document and project controls best practices will be followed throughout the South Interceptor project. At the completion of the project, BC will prepare a project close-out report, which will capture all pertinent project data and lessons learned.

- A brief description of your planned DB procurement process.

King County will conduct the DB procurement process consistent with the process and criteria requirements of RCW 39.10. King County will follow the required two-part procurement process for DB, starting with issuance of a Request for Qualifications (RFQ). Once Statements of Qualifications (SOQs) are submitted, KCWTD will review and score SOQs in accordance with the criteria identified in the RFQ. Based on SOQ scoring, KCWTD will select finalists to submit proposals, which is anticipated to include up to three finalists. The selected finalists will receive a Request for Proposals (RFP), which will identify the submittal requirements for proposals, to include management and technical information, proposed pricing for preconstruction and design services, and one or more price-related factors applicable to the construction scope. During the proposal period, it is anticipated that an interactive proprietary meeting and/or interview will be held with each finalist. KC will then conduct proposal scoring according to the criteria laid out in the RFQ and RFP to identify the highest ranked firm. KC plans to provide an honorarium to the finalists that are not awarded the contract.

- Verification that your organization has already developed (or provide your plan to develop) specific DB contract terms.

The well-established Procurement and Payables (P&P) team, in collaboration with the KC Prosecuting Attorney (PAO), Jerry Taylor, and other stakeholders within the County, have developed new PDB procurement and contract templates, utilizing DBIA contract templates as a starting point. The Interim Base Electrification and Harbor Maleng Single Patient Rooms PDB projects approved by the PRC in 2020 and 2021 used the UW model of PDB contracting (two agreements), which has not been ideal for KC. The new boilerplate PDB procurement documents, agreement and terms and conditions have been tailored to King County tolerances. The new documents are being used on two ongoing PDB projects (M Street Trunk Rehabilitation and ESI 8 Trunk Rehabilitation), and 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 best practices and discussing questions posed by PAO and procurement staff. P&P manages final templates for RFQ, RFP, Agreement and Terms and Conditions documents tailored for PDB and ready for project-specific refinement.

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 Attachment E. 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

[Refer to Attachment C, 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. Some examples are included in attachments E1 thru E6. 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

[Attachment D includes a map showing the planned rehabilitation work and potential temporary sewer diversion alignment, and locations of key project challenges and constraints. No plan or section views have been developed to date for the rehabilitation improvements.](#)

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 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 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 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 on a monthly basis 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 submittal of a corrective action plan.

CAUTION TO APPLICANTS

The definition of the project is at the applicant's discretion. The entire project, including all components, must meet the criteria of RCW 39.10.300 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.

The PRC strongly encourages all project team members to read the [Design-Build Best Practices Guidelines](#) as developed by CPARB and attend any relevant applicable training. If the PRC approves your request to use the DB contracting procedure, you also agree to provide additional information if requested.

The 2021 Legislature updated [RCW 39.10.330\(8\)](#) stating that Design-Build contracts must require the awarded firm to track and report to the public body and to the office of minority and women's business enterprises (OMWBE) its utilization of the OMWBE certified businesses and veteran certified businesses. By submitting this application, you agree to include these reporting requirements in project contracts.

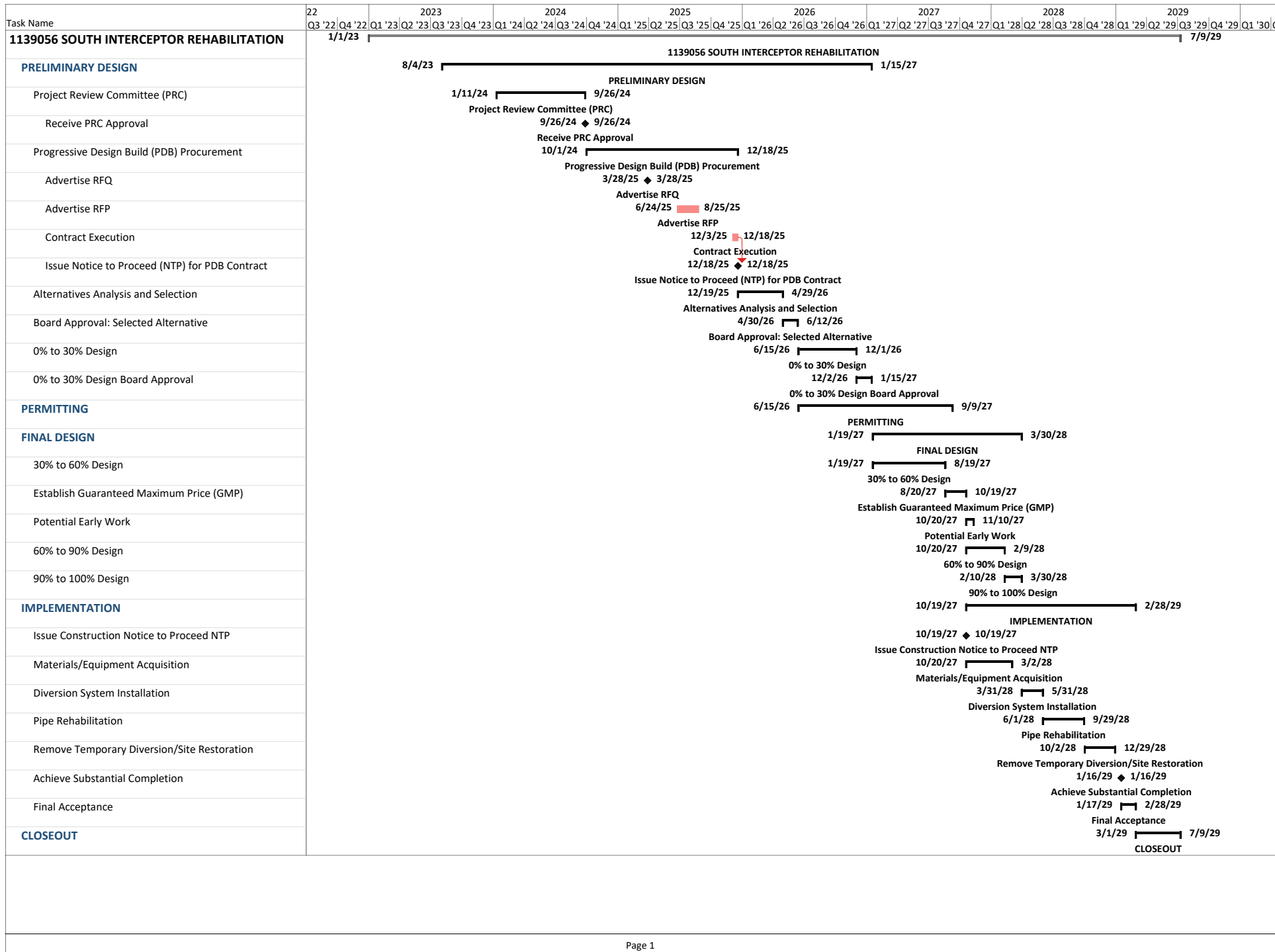
I have carefully reviewed the information provided and attest that this is a complete, correct and true application.

Signature: *Darren R. Chernick*

Name: (please print) Darren R. Chernick (public body personnel)

Title: King County Procurement and Payables, Construction Procurement Team Lead

Date: 8/15/2024



**ATTACHMENT B
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.	Scott Mingus	Scott is a project manager with King County's Wastewater Treatment Division (WTD), with over 7 years of capital project management experience covering traditional design-bid-build contracts. Scott is a certified PMP and has managed large scale complex capital improvement projects including conveyance improvement (replacement and rehabilitation) and facility system upgrades.	Lake Hills Interceptor Rehabilitation	\$21M	DBB	NA	Project Manager	Project Manager
			Coal Creek Trunk Upgrade	\$170M	DBB	NA	Project Manager	Project Manager (Pending)
			M Street Trunk Refurbishment	\$1M	Construction Work Order	Project Manager	Project Manager	Project Manager
2.	Bob Isaac	Bob has been in inspection, maintenance, and rehabilitation of the King County wastewater system for over 35 years. He has certification from the National Association of Corrosion Engineers (NACE/AMPP) as a Corrosion Technologist.	Brightwater Marine Outfall	\$30M	DB	RFQ/RFP Review	Technical Advisor	Technical Advisor
			ESI 8 Rehabilitation	\$83M	PDB	Technical Advisor and Lining SME	Technical Advisor and Lining SME	Technical Advisor (pending)
			M St Trunk Rehabilitation	\$15M	PDB	Technical Advisor and Lining SME	Technical Advisor and Lining SME	Technical Advisor (pending)

KING COUNTY PROJECT EXPERIENCE						Role during Project Phases		
		Bob has been directly involved as the County's engineering representative in pipeline rehabilitation on numerous projects utilizing a variety of rehabilitation methods. He currently manages the long-term planning for the rehabilitation program and is serving on project teams as a subject matter expert. Bob is currently supporting King County's first two PDB sewer rehabilitation projects.						
3.	Robert Hanlon	Robert is a Senior Project Engineer with King County's Wastewater Treatment Division (WTD), bringing 14-years cross-disciplinary experience within industrial facilities, oil & gas, and public works infrastructure projects, specializing in design-build corrosion engineering projects. His role supports resilient operations of sewer conveyance & treatment facilities, focusing on civil engineering design, facilitating	South Treatment Plant DAFT Rehabilitation	\$63M	DBB	Deputy Project Engineer	Project Engineer	NA
			Burney Compressor Station Rebuild (Burney, CA)	\$2M	DB Subcontractor	Technical Advisor	Lead Engineer	Project Engineer
			North Mercer Island – Enatai Sewer Replacement	\$181M	DBB	NA	NA	Project Engineer

KING COUNTY PROJECT EXPERIENCE						Role during Project Phases		
		maintenance/repair projects, and continuous improvement of specifications. Robert uses cross-sector knowledge and ISI Envision framework to ensure capital infrastructure planning addresses future challenges through sustainability, collaboration, and innovation.						
4.	Bryon Slatten	Bryon has worked in WTD's Operations, Construction, and Engineering Units for 29 years and is an AMPP Senior Certified Coatings Inspector. Bryon has provided engineering assistance and field inspection support on a variety of wastewater conveyance and treatment projects. He plays a key role in identifying lining and rehabilitation technologies and industry best practices.	Eastgate Interceptor Rehabilitation Phase III	\$4.3M	DBB	NA	Contract Review	Technical Advisor
			ESI 8 Rehabilitation	\$83M	PDB	Technical Advisor and Lining SME	Technical Advisor and Lining SME	Technical Advisor (pending)
			M St Trunk Rehabilitation	\$15M	PDB	Technical Advisor and Lining SME	Technical Advisor and Lining SME	Technical Advisor (pending)
5.	Melissa Jordan	Contract Specialist III, Procurement and Payables. Melissa has	ESI 8 Rehabilitation	\$83M	PDB	CS		
			Sound Transit,	\$471M/ \$425M	Heavy Civil GC/CM	CS	CS	CS

KING COUNTY PROJECT EXPERIENCE						Role during Project Phases		
		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.	Lynnwood Link					
			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
6.	Trisha Roth	Procurement Support Specialist, Contract Administrator, King County WTD. Trisha has direct DB procurement experience working as the Contract Specialist on the M Street Trunk Rehabilitation, KC Metro Pier 50 Float Replacement, and Interim Base Electrification (IBE) project. Trisha also worked as backup CS for the Harbor Maleng Single Patient Rooms project,	M Street Trunk Rehabilitation	\$15M	D-B	CS	CS	CS
			Pier 50 Float	\$8M	D-B	CS	CS	CS
			Interim Base Electrification (IBE)	\$60M	D-B	CS	CS	CS
			Harbor Maleng Single Patient Rooms	\$75M	D-B	Backup CS	CS	Backup CS

KING COUNTY PROJECT EXPERIENCE						Role during Project Phases		
		and managed execution of the GMP change order after the primary CS departed KC.						

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 18 years of water/wastewater engineering experience, including 12 years of experience providing OA services for procurement, design oversight, and construction oversight of alternative delivery projects around the country, focused primarily on progressive design-build (PDB).	Jefferson and Hood Street Surface Water Interceptor PDB, City of Tacoma, Washington	\$30M	PDB	Owner Advisor	Owner Advisor	Owner Advisor
			ESI Section 8 Rehabilitation, King County, Washington	\$83M	PDB	Owner Advisor	Owner Advisor	Owner Advisor (Pending)
			M Street Trunk Rehabilitation, King County, Washington	\$15M	PDB	Owner Advisor	Owner Advisor	Owner Advisor (Pending)
			Reservoir 3 Structural Upgrades, City of Everett, Washington	\$5M	PDB	Owner Advisor	Owner Advisor	(cancelled)
			Reservoir 6 Roof Replacement, City of Everett, Washington	\$4.8M	FPDB	Procurement Support	OA Support	OA Support
			Lakeside Redirect Conveyance Improvements, Middletown, Ohio	\$13M	PDB	Owner Advisor	Owner Advisor	Owner Advisor
			Mill Creek WWTP Diversion Chamber, Metropolitan Sewer District of Greater Cincinnati, Ohio	\$37M	PDB	Owner Advisor	Owner Advisor	Owner Advisor

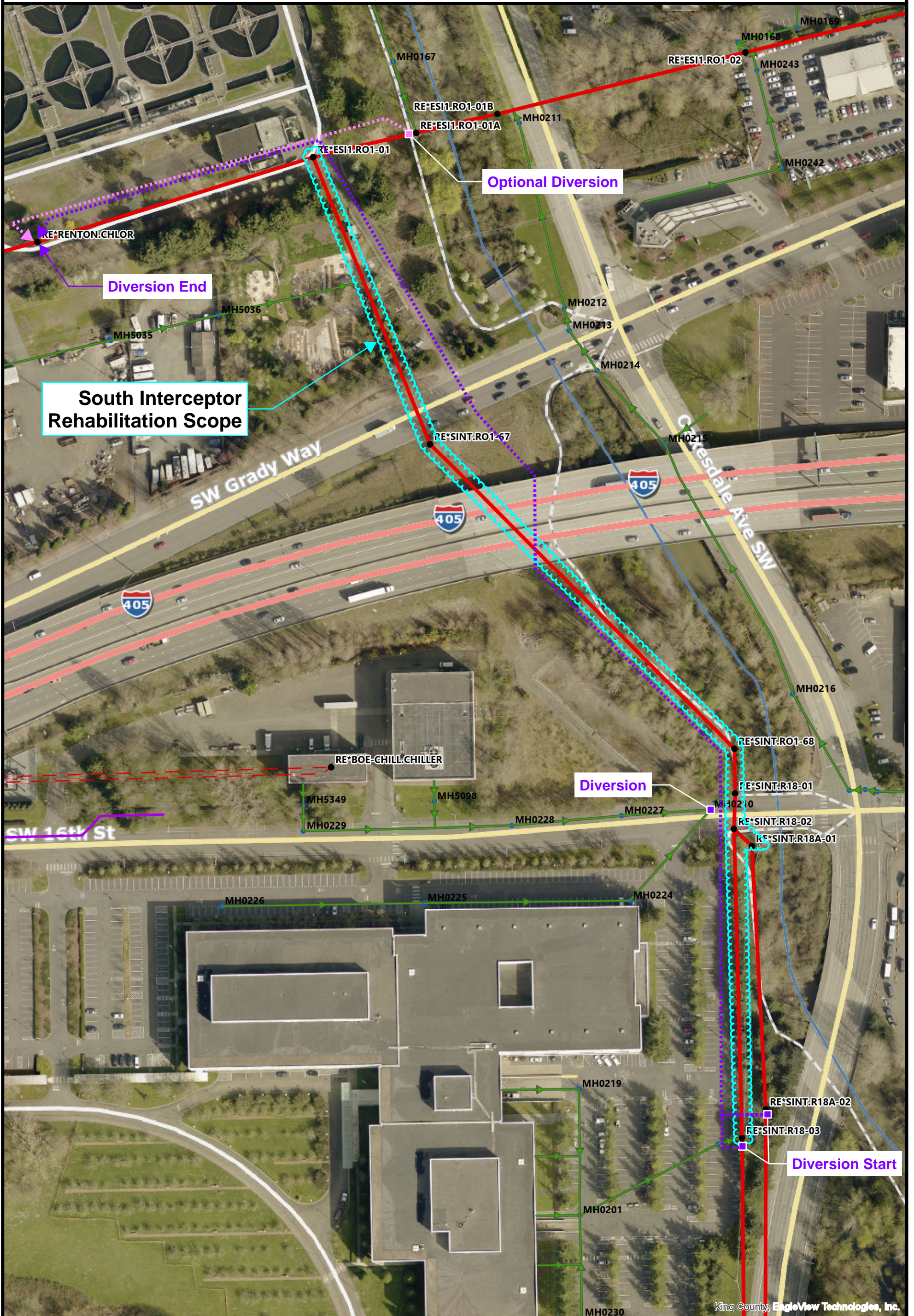
2.	Josh Thomas (Brown and Caldwell)	Josh has 11 years of experience in planning and scheduling, contracts and project oversight, design development, construction management, and engineering design software. As an Owner Advisor, Josh provides procurement and pre-construction services on collaborative delivery projects, including progressive design-build, fixed-price design-build, and Construction Manager / General Contractor (CMAR, CM/GC, GC/CM).	Lewiston WTP Retrofit, City of Lewiston, ID	\$28.5M	PDB	Owner Advisor	Owner Advisor	
			Mountain Home Air Force Base, ID	\$26.5M	FPDB	Owner Advisor	Owner Advisor	Owner Advisor (Ongoing)
			PFAS Groundwater Treatment Plants, City of Anaheim, CA	\$130M	FPDB	Owner Advisor	Owner Advisor	
			Nampa Project Group F, City of Nampa, ID	\$179M	PDB	Owner Advisor	Owner Advisor	
3.	Adam Wirthlin (Wirthlin Consulting)	Adam has 20 years of experience in construction and cost estimating, including providing independent cost estimates and related negotiations support for design-build projects.	Silicon Valley Clean Water - Front of Plant: Stage 1 & 2	\$100M	PDB	Owner Advisor	Owner Advisor	Owner Advisor

**ATTACHMENT C
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
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.
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
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.
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.
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.
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

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
										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.
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.
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	
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.

KC 1139056 South Interceptor Rehabilitation



King County, EagleView Technologies, Inc.

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Date: 6/28/2023

King County Wastewater Treatment Division



Attachment E
Section 6.3 Project Organization Chart
King County South Interceptor Rehabilitation Project

