Council Meeting Date: March 29, 2021 **Agenda Item:** 7(d)

CITY COUNCIL AGENDA ITEM

CITY OF SHORELINE, WASHINGTON

AGENDA TITLE:	Authorizing the City Manager to Execute an Amendment to the Professional Services Agreement with KPFF Consulting Engineers in the Amount of $2,147,473 for Final Design of the 148th Street Non-Motorized Bridge Project
DEPARTMENT:	Public Works
PRESENTED BY:	Tricia Juhnke, City Engineer
ACTION:	____ Ordinance ____ Resolution __X_ Motion ____ Discussion ____ Public Hearing

PROBLEM/ISSUE STATEMENT:

The 2021-2026 Capital Improvement Plan includes the 148th Street Non-Motorized Bridge project. The principal goal of the project is to provide a non-motorized bridge to directly connect neighborhoods west of Interstate-5 with the future light rail station, which will in turn connect users to centers of employment, commerce and educational opportunities. The initial work for this project was to develop a preliminary design based on the preferred alignment previously approved by Council. The next step is to advance that preliminary design to final design.

Consultant services are needed to develop the final design. KPFF Consulting Engineers was selected during preliminary design as the most qualified firm to support this project through the construction phase. Staff have negotiated a supplemental agreement to the preliminary design contract for the completion of final design. This supplemental agreement will include development of the final design, community outreach and stakeholder engagement. Council authorization is needed to enter the supplemental agreement with KPFF Consulting Engineers. Tonight, staff is seeking this Council authorization.

RESOURCE/FINANCIAL IMPACT:

This project is currently funded in the 2021-2026 CIP for design. Final design and a portion of construction is currently fully funded. Funding for right-of-way (ROW) and the remaining construction cost is currently being pursued. A summary of current funding is shown below:

Summary of Project Costs:

DESIGN			
	DESIGN (KPFF DESIGN ENGINEERS)		
	PRELIMINARY DESIGN CONTRACT	$ 897,854	
	FINAL DESIGN CONTRACT	***$ 2,147,473***	
	CITY STAFF & OTHER RESOURCES	$ 350,000	
	CONTINGENCY (10%)	$ 340,000	
	SUBTOTAL		***$ 3,743,551***
RIGHT-OF-WAY			
	ROW COST	$ 1,600,000	
	CONTINGENCY (10%)	$ 160,000	
	SUBTOTAL		***$ 1,760,000***
CONSTRUCTION			
	CONSTRUCTION COST	$ 13,430,000	
	CONTINGENCY (40%)	$ 5,370,000	
	SUBTOTAL		***$ 18,800,000***
CONSTRUCTION MANAGEMENT			
	CM COST	$ 4,700,000	
	CITY STAFF & OTHER RESOURCES	$ 900,000	
	CONTINGENCY (10%)	$ 560,000	
	SUBTOTAL		***$ 6,160,000***
TOTAL EXPENDITURES			**$ 30,463,551**

Summary of Project Revenue:

REVENUES			
	GENERAL FUND	$ 350,000	
	ROADS CAPITAL FUND	$ 150,000	
	STP NON-MOTORIZED	$ 2,055,000	
	ST SYSTEM ACCESS	$ 3,700,000	
	KING COUNTY PARKS LEVY	$ 4,800 000	
	SUBTOTAL		***$ 11,055,000***
TOTAL REVENUE			**$ 11,055,000**
FUNDING GAP (EXPENDITURE- REVENUE)			**$ 19,408,551**

To date, the City has not secured funds required to fully fund the construction phase of the Project and may not be able to secure all construction funds prior to the opening of the Lynnwood Link Extension light rail project in 2024. However, there is adequate funding for final design which includes this contract amendment.

RECOMMENDATION

Staff recommends the Council authorize the City Manager to execute a supplemental agreement to the professional services contract with KPFF Consulting Engineers in the amount of $2,147,473 for the 148th Street Non-Motorized Bridge Project.

Approved By: City Manager ***DT*** City Attorney ***MK***

BACKGROUND

Interstate-5 (I-5) forms a barrier from the neighborhoods to the west of the interstate to the Sound Transit Shoreline South/145th Station to the east. The 148th Street Non-Motorized Bridge project will design a pedestrian/bike bridge spanning I-5 and connecting to the north-end light rail station plaza. Improvements will include integration with the station plaza area (east side of I-5) including ramps and stairs. West side landing improvements will include ramps and stairs, safe pedestrian and bicycle connections to 1st Avenue NE, and evaluation of the need for a drop-off/pick-up area.

A feasibility analysis of non-motorized crossing options to the Shoreline South/145th Station was conducted in 2016/2017 to determine the feasibility of a non-motorized bridge to connect the west side of I-5 to the Sound Transit station and east-side area. Based on the results of the feasibility study, Council adopted the 148th Street crossing as the preferred location. The cost estimate in the feasibility study was $13,331,000. At the February 27, 2017 Council meeting, staff presented the 145th Street Station Access Non-Motorized Crossing Options Feasibility Analysis. The staff report for this discussion can be found at the following link: February 27, 2017 Staff Report.

The 2019-2024 Capital Improvement Plan (CIP) included $499,999 in funding to proceed with conceptual design of the 148th Non-Motorized Bridge project and continued coordination with Sound Transit. On June 24, 2019, the City Council authorized the City Manager to enter into a contract with KPFF, Inc. for the preliminary design services for the 148th Street Non-Motorized Bridge project. The current contract with KPFF is to 30% design and environmental review. The staff report for the Council authorization to enter into this contract can be found at the following link: June 24, 2019 Staff Report.

On June 1, 2020, staff presented results of a Type, Size and Location Analysis with recommended preferred design and project delivery approach options to the City Council. The recommended options were formally authorized and subsequently advanced to 30% design. The staff report for this council discussion can be found at the following link: June 1, 2020 Staff Report.

Since adoption of the CIP, this project has received a federal grant, via the USDOT Federal Highway Administration (FHWA) Surface Transportation Program (STP) to be applied to the design phase of the project. Funding has also been secured from regional sources in the form of Central Puget Sound Regional Transit Authority (Sound Transit) System Access Funds (SA), and from King County. The project is funded through final design and partially into construction. Staff continues to pursue funding partners to move this project forward to ROW and completed construction.

DISCUSSION

On January 28, 2019, the City issued a Request for Qualifications (RFQ) for this project. Two firms submitted Statements of Qualifications (SOQ's), which were reviewed by staff. One firm, KPFF, was subsequently interviewed and selected as best qualified for this project.

The scope of work for the original contract was initially to progress the project through preliminary design. If approved by Council, this supplemental agreement will advance the project to final design.

The current project delivery approach is to design and construct the project in two distinct phases:

- **Phase 1** – Full design, environmental and construction of improvements on the east side of I-5.
- **Phase 2** – ROW, construction of improvements on the west side of I-5 and installation of the bridge superstructure.

This project currently has a $20 million funding gap for construction. The purpose of the phased approach is to allow for the project to move forward with construction of the improvements in close proximity of Sound Transit infrastructure before the Lynnwood Link Light Rail goes into revenue service, after-which construction will become more complex and costly. Staff are currently seeking approval from the grantors to allow for this approach.

The scope of work for KPFF Consulting Engineers is attached to this staff report as Attachment A. Work to be completed under this scope includes final design of all improvements, assistance in community outreach/stakeholder engagement, and preliminary right of way acquisition and easement processes, and cost estimates for ROW and construction.

The alternative to authorizing the award of this contract is to not award the contract, in which case the project would not proceed. This is not recommended by staff.

COUNCIL GOAL(S) ADDRESSED

This project supports 2019-2021 City Council Goal 3: “Continue preparation for regional mass transit in Shoreline.”

RESOURCE/FINANCIAL IMPACT

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RECOMMENDATION

Staff recommends the Council authorize the City Manager to execute a supplemental agreement to the professional services contract with KPFF Consulting Engineers in the amount of $2,147,473 for the 148th Street Non-Motorized Bridge Project.

ATTACHMENTS

Attachment A - KPFF Consulting Engineers Supplemental Agreement Scope of Services

Exhibit A
Scope of Work

City of Shoreline N 148th Non-Motorized Bridge Project – Bridge and Trail Final Design Development Services

PROJECT DESCRIPTION

The City of Shoreline has conducted a feasibility analysis to evaluate and recommend a preferred alignment alternative for a new pedestrian and bicycle bridge crossing Interstate 5 (I-5) linking the west side of freeway to the planned Sound Transit Shoreline South/148th light rail station. The preferred trail and bridge alignment connects to 1st Ave NE along NE 148th where it crosses I-5 and lands at the northern plaza of the station.

This project is one of many that will improve the area serving the future Shoreline South/145th Station which is expected to open in 2024.

This phase of the project will build on the recently completed 30% design phase and will develop final design and construction documents for the bridge and trail connections.

PROJECT OBJECTIVES

The primary objectives of this work are to:

1. Develop final design and construction documents for a non-motorized bridge that is consistent and supportive of the City of Shoreline's goals and policies.
2. Continue to engage the public and stakeholders in the design process for coordination, permits and to generate support for the project.
3. Attain formal project permissions from the Washington State Department of Transportation (WSDOT) and the Federal Highway Administration (FHWA) with Sound Transit (ST) concurrence.
4. Acquire all right-of-way (ROW) necessary for the project.

PROJECT TEAM

The project team is made up of the following:

Owner	City of Shoreline
Prime Consultant	KPFF Consulting Engineers
Structural Engineering	KPFF Consulting Engineers
Civil Engineering	KPFF Consulting Engineers
<u>Subconsultants:</u>	
Bridge Architecture	LMN Architects
Urban Design	KPG Inc.
Landscape Architecture	KPG Inc.
Illumination & Electrical	KPG Inc.

Public Outreach	Stepherson & Associates
Environmental Permitting	Landau Associates
Geotechnical Engineering	Landau Associates
Surveying	Furtado & Associates
Right-of-Way	RES Group NW

PROJECT SCHEDULE

This phase of the project is anticipated to last approximately 13 months following notice-to-proceed (NTP). Estimated deliverable dates are as follows:

- Main Span Bridge Canopy Preliminary Design: 2 months after NTP
- 60% Design: 5 months after NTP
- 90% Design: 9 months after NTP
- 100% Design: 11.5 months after NTP
- Bid Documents: 13 months after NTP

A more detailed schedule will be agreed upon between the Design Team and the City following NTP.

SCOPE OF WORK

The following is a scope of work for the Final Design phase of the project. Future phases of the project like construction support services are not included at this time.

TASK NO. 1.0 – PROJECT MANAGEMENT AND ADMINISTRATION

Task No. 1.01 Project Work Plan, Risk Register and Quality Management Plan

KPFF shall provide a work plan to the design team and the City outlining the project objectives, organization of the team, lines of communication, and deliverables.

KPFF shall provide and maintain a project risk register. The risk register will identify and assess project risks and include potential mitigation strategies. The risk register will be updated by the KPFF Project Manager, in cooperation with the City, throughout this phase of the project.

KPFF shall provide a Quality Management Plan (QMP) for the project. The QMP will outline quality assurance/quality control/ (QA/QC) processes for the design team including roles and responsibilities for each team member.

Task No. 1.02 Project Schedule

KPFF shall create a project design schedule in Microsoft Project that spans from the notice-to-proceed to the completion of this phase of Work. The schedule will include all deliverable submittal dates and project milestones.

The schedule shall be updated by KPFF on a monthly basis. Subconsultants and the City will review and provide input on the draft schedule.

KPFF will update the project schedule on a monthly basis.

Task No. 1.03 Subconsultant Agreements

KPFF shall prepare sub-consultant contracts for all team members.

Task No. 1.04 – Progress Reports & Invoices

A progress report form shall be provided to each Subconsultant. This form shall be filled out on a monthly basis and submitted with the invoice for the work described in the progress report. KPFF shall then compile the progress reports into a single document to be submitted to the City with the associated monthly invoice.

Subconsultants shall prepare monthly invoices for work completed. KPFF shall compile the invoices into a single document to be submitted to the City. The overall team monthly invoices will be formatted to provide the billing per project task and include percentage completion and billings to date.

Task No. 1.05 – Project Kickoff Meeting

KPFF and all Subconsultants shall prepare for and attend a two (2) hour long project kickoff meeting. KPFF, in conjunction with the City, shall coordinate the date, time and agenda items for this meeting.

Task No. 1.06 – Project Communication Meetings

KPFF and the Subconsultants shall prepare for and attend bi-weekly project communication meetings with City staff to review the progress of the project and review technical and project management topics. The meetings will be attended by the KPFF Project Manager, key stakeholders, and key members of the design team as needed for discussion of the task items. For the basis of this scope of work the assumed number of monthly meetings attended by each design team member is as follows:

- KPFF:
  - Project Manager: 28
  - Lead Structural: 10
  - Lead Civil: 10
- KPG: 10
- LMN: 10
- Landau Associates:

- Lead Geotechnical Engineer: 2
- Environmental Permitting Lead: 2

- Stepherson & Associates: 2
- Furtado & Associates: 2
- RES Group NW: 2

Task No. 1.07 – Internal Team Meetings & Coordination

KPFF, LMN and KPG design team members shall meet on a bi-weekly basis to discuss project issues, schedule, progress, and general coordination of effort as needed.

Assumptions:

- Project kickoff meeting will take place using video conferencing (e.g. Teams).
- Project communications meetings will take place at the City offices or via video conferencing and will last approximately one (1) hour.
- Agenda will be provided by KPFF a minimum of two (2) working days prior to the date of the meeting.
- Meeting notes will be prepared and distributed by KPFF for review and comment by meeting attendees within two (2) working days of the date of the meeting.

Deliverables:

- Project work plan, Draft and Final (electronic copy)
- Project risk register, including monthly updates (electronic copy)
- Project QMP, Draft and Final (electronic copy)
- Project schedule with monthly updates (electronic copy)
- Monthly progress reports and invoices (Assume 13)
- Project kickoff meeting, agenda and meeting notes (electronic copies)
- Monthly project communication meetings including agenda and notes (electronic copies)

TASK 2.0 – WSDOT AND SOUND TRANSIT DESIGN COORDINATION & MEETINGS

Task No. 2.01 – WSDOT/FHWA & Sound Transit (ST)/FTA Kickoff Meeting

KPFF will prepare for, attend and document one (1) final design kickoff meeting with WSDOT/FHWA, one (1) final design kickoff meeting with Sound Transit/FTA. The purpose of these meetings will be as follows:

- Reintroduce these key stakeholders to the project
- Gather information on stakeholder constraints and concerns
- Review comments from WSDOT & ST on 30% design submittal

The following design team members will attend the WSDOT/FHWA and ST/FTA kickoff meetings:

- KPFF: Project Manager, Lead Structural, Lead Civil
- KPG: Urban Design Lead
- LMN: Bridge Architect Lead

Task No. 2.02 – WSDOT/FHWA & Sound Transit/FTA Coordination

KPFF will perform general coordination with WSDOT/FHWA and Sound Transit/FTA throughout the final design phase to discuss project issues, schedule, progress and general coordination of effort. It is assumed that the City will serve as the main point of contact for both WSDOT and ST, with KPFF providing support, as needed.

In addition to general coordination, the design team will attend coordination meetings with WSDOT and ST. For the basis of this scope of work the assumed number of meetings is as follows:

- KPFF:
  - KPFF Project Manager: 10
  - KPFF Lead Civil: 6
  - KPFF Lead Structural: 6
- KPG Urban Design Lead: 4
- LMN: Bridge Architect Lead: 4

Assumptions:

- The City will make initial contact with WSDOT and Sound Transit to schedule and coordinate kickoff meeting and invite appropriate City staff.
- The WSDOT/FHWA and ST/FTA kickoff meetings will last two (2) hours each and will occur via video/teleconference.
- The WSDOT/FHWA and ST/FTA coordination meetings will last up to one (1) hour each and will occur via video/teleconference.
- Agenda will be provided by KPFF a minimum of two (2) working days prior to the date of the meeting.
- Meeting notes will be prepared and distributed by KPFF for review and comment by meeting attendees within two (2) working days of the date of the meeting.

Deliverables:

- Meetings with WSDOT and Sound Transit including agenda, meeting materials and notes (Word Documents, PDF)

TASK 3.0 – GEOTECHNICAL ENGINEERING

Landau Associates, Inc. will provide geotechnical engineering services. The services will include reviewing in-house information, readily available geologic reports and maps, and completing a supplemental, site-specific subsurface exploration and laboratory testing program as a basis for developing design-level geotechnical engineering recommendations.

Task No. 3.01 Supplemental Geotechnical Investigation Program

To further characterize subsurface soil and groundwater conditions at the west end of the project alignment, Landau Associates will subcontract a drilling contractor to advance two supplemental exploratory borings at the project site; one in the vicinity of proposed bridge Piers 1 and 2 and one at the location of the proposed cantilever sign bridge foundation. The supplemental exploratory boring in the vicinity of proposed bridge Piers 1 and 2 will be advanced to a depth of about 100 ft below ground surface (bgs) and the supplemental exploratory boring at the location of the proposed cantilever sign bridge will be advanced to a depth of 30 ft bgs.

It is anticipated that access to the cantilever sign bridge location will be via the shoulder of I-5. While the exploratory boring for the proposed cantilever sign bridge will be advanced behind the highway guard rail to minimize impacts to traffic, some impacts to traffic are anticipated while unloading and loading the drill rig. Therefore, a WSDOT General Permit and associated traffic control will be required. Landau Associates will coordinate with WSDOT to obtain a General Permit and will hire a traffic control subcontractor to prepare a traffic control plan and provide traffic control services during the supplemental exploration program.

Proposed Piers 1 and 2 are located in an area with steep terrain and thick vegetative cover (primarily Himalayan blackberries). In order to facilitate access to the drill site, Landau Associates will hire an excavation subcontractor to clear brush and perform minor grading as needed to create a relatively level platform for the drilling rig.

A representative from Landau Associates will observe the advancement of the supplemental exploratory borings, obtain soil samples from the borings, and prepare field logs of conditions observed. Soil samples will be obtained from the exploratory borings on about a 2½- or 5-ft depth interval using the Standard Penetration Test (SPT) procedure. The soil samples will be delivered to a geotechnical laboratory for further examination and classification. Soil samples obtained from the explorations will be held in the laboratory for 30 days after submittal of the final report. After that date, the soil samples will be disposed of unless arrangements are made to retain them. While a monitoring well is not planned for the proposed boring at the location of the cantilever sign bridge foundation, groundwater occurrence at the time of drilling will be noted on the summary boring log, if observed. Upon completion of sampling and logging, the cantilever sign bridge boring will be decommissioned in accordance with the requirements of Chapter 173-160 of the Washington Administrative Code (WAC). A groundwater monitoring well will be installed within the boring advanced in the vicinity of Proposed Piers 1 and 2 in order to monitor groundwater levels over time. The well will be installed in accordance with the requirements of Chapter 173-160 of the WAC. Upon completion of the exploratory boring, Landau Associates will hire an excavation subcontractor to restore grades in the vicinity of the

exploratory boring to approximately match pre-existing conditions. Landau Associates personnel will make up to two return visits to record groundwater levels within the monitoring well. Excess cuttings from the exploratory borings will be discreetly disposed of onsite.

Prior to performing field activities, Landau Associates will arrange for underground utility location ("call before you dig"). Landau Associates will also hire a private utility locating service to check for the presence of buried utilities at planned boring locations.

Landau Associates will complete a geotechnical laboratory testing program consisting of natural moisture content and grain size and/or Atterberg Limits determinations on selected soil samples to aid in classifying site soils. Laboratory testing will include up to 6 moisture content determinations and 12 grain size distributions or Atterberg limits determinations.

Task No. 3.02 Geotechnical Analysis and Reporting

Landau Associates will evaluate the information collected as part of the supplemental field investigation and laboratory testing program in order to develop design-level geotechnical engineering conclusions and recommendations related to the design and construction of the proposed non-motorized bridge project.

Summary logs and a site plan showing the locations of the initial and supplemental exploratory borings and pertinent site features will be included in the draft and final versions of the report.

Seismic design criteria will be provided in accordance with applicable AASHTO standards. KPFF shall provide the governing design standards prior to the evaluation. Landau Associates will provide an assessment of the liquefaction and lateral spreading susceptibility of the soils in the vicinity of proposed foundations.

Recommendations for site preparation and fill placement will include the following: criteria for clearing, stripping and grubbing; an evaluation of the suitability of on-site soil for use as structural fill; gradation criteria for imported fill; guidance for preparation of subgrade soil, which will support the bridge approaches; and criteria for structural fill placement and compaction. Recommended static and dynamic lateral earth pressures, hydrostatic pressures, and surcharge pressures will also be provided in the event that it is necessary to construct column silos around the Sound Transit guideway piers.

Recommendations will be provided for the design of drilled, cast-in-place concrete shaft foundations for Piers 1 through 3. The recommendations will include the following: recommended tip elevation, axial resistance, downdrag loads and loss of side resistance during seismic loading, uplift resistance,

lateral shaft analysis, lateral spreading loads, and construction considerations.

Recommendations for MSE wall support for the proposed west abutment approach ramp will be provided. The recommendations will include considerations for design of MSE walls, including soil parameters for use in internal wall design, nominal bearing resistance and foundation settlement, resistance to lateral loads, wall backfill and drainage, and an assessment of global stability.

Recommendations for other site retaining walls including soil parameters for use in internal wall design, nominal bearing resistance and foundation settlement, resistance to lateral loads, wall backfill and drainage, and an assessment of global stability.

Foundation recommendations for the proposed cantilever sign bridge, including allowable lateral bearing resistances for the soils observed and construction considerations.

Deliverables will include a draft report containing geotechnical findings, conclusions and recommendations. A final report will be created that contains the results of mutually agreed upon comments from other team members and the City.

For estimating purposes, Landau Associates has assumed participation in up to three internal meetings for consultation during design, as requested by the City and KPFF.

Assumptions:

- KPFF will provide Landau Associates a project base map in AutoCAD format.
- The main span of the proposed bridge is a single-span structure.
- Landau Associates will not be responsible for coordinating right of entry to gain access to exploration locations. Rights-of-entry required for entry into private property will be obtained by the City.
- Landau Associates will prepare the WSDOT General Permit application and associated traffic control plan, but the City will assist with coordination necessary to obtain a WSDOT General Permit. Landau Associates has assumed up to one round of revisions to the WSDOT permit application may be required.
- The exploratory boring proposed in support of design of Piers 1 and 2 will be located outside of WSDOT Right-of-Way, therefore it is anticipated that no WSDOT coordination will be required for this boring.
- The geotechnical information gathered by others as part of the Sound Transit Lynnwood Link project will be sufficient to develop design recommendations for the east abutment/foundation (Pier 3) of the proposed non-motorized bridge.

- Landau Associates will not be responsible for damage to underground utilities that are mismarked or not located.
- The locations of proposed Piers 1 and 2 and the cantilever sign bridge will be marked in the field by Furtado and Associates prior to the start of the supplemental geotechnical exploration program.
- The proposed exploration locations will be accessible to a track-mounted drill rig and a small tracked excavator.
- Permits will not be required to clear brush and/or create a relatively level working surface for the drill rig.
- Landau Associates will provide temporary erosion and sediment control measures by placing straw wattles along the downslope perimeter of the disturbed area.
- Restoration of disturbed vegetation will not be required; however, Landau Associates will stabilize areas of disturbed ground with mulch or straw at the completion of the subsurface investigation.
- The proposed exploratory borings will be conducted in unpaved areas (i.e., no pavement coring or restoration will be required).
- Ground improvement design by Landau Associates will not be needed.
- A site-specific ground motion response analysis will not be required.
- Additional borings may be required if during the design process the locations of the bridge foundations change.

Deliverables:

- Draft Geotechnical Report (One electronic copy, PDF)
- Final Geotechnical Report (One electronic copy, PDF)
- Comment Responses on Draft Geotechnical Report (One electronic copy, PDF)

4.0 – PUBLIC OUTREACH & STAKEHOLDER ENGAGEMENT

Stepherson & Associates (Stepherson) will provide Public Outreach and Stakeholder Engagement services.

Task No. 4.01 – Public Outreach Communication Coordination Meetings

Stepherson will update and manage the implementation of the Public Involvement Plan. Once approved a workplan will be developed and actively managed. Stepherson will plan, facilitate and report on Public Outreach communication coordination meetings with City. The purpose of these meetings will be to plan and coordinate Public Outreach efforts with City staff. Stepherson will plan and meet regularly as a team to coordinate work.

Assumptions:

- One (1) update to the Public Involvement Plan and twelve (12) updates to community outreach workplan.
- Assumes up to twelve (12) meetings.
- These meetings will occur at City offices or via video conference.
- Meetings will last approximately one (1) hour.

- KPFF Project Manager and the Public Outreach Lead will participate in all meetings. A public outreach coordinator will participate in up to eight (8) meetings.
- For the basis of this scope of work the assumed number of Public Outreach Communication Coordination meetings for other design team members is as follows:
  - LMN Lead Bridge Architect: 3
  - KPG: Urban Design Lead: 3

Deliverables:

- Agenda and pre-meeting materials (electronic copy)
- Meeting minutes and action items (electronic copy)

Task No. 4.02 – Communication Materials Development

Stepherson will coordinate with the City and the design team to facilitate preparation, production and distribution of all public-facing communication materials, including project fact sheet, frequently asked questions (FAQ) and topic sheets (topic-specific sheets might describe elements of a bridge, right-of-way and/or trail connections) and web content. Materials could include translation in up to three (3) languages.

Assumptions:

- Stepherson will provide content updates, photos and graphics to City for City-hosted project website. Webpage updates will be submitted to City for review, approval and posting.
- Fact sheet (2), FAQ (2) and topic sheets (2) will be translated into Spanish and Korean. Other languages will be translated upon request.
- Stepherson will coordinate and pay for translation services.

Deliverables:

- Project fact sheet: one (1) draft and one (1) final at 60% design as well as one (1) draft and one (1) final at 90% design (electronic copy) one (1) draft and one (1) final at final design (electronic copy)
- Project FAQ: one (1) draft and one (1) final at 60% design as well as one (1) draft and (1) final at 90% design (electronic copy)
- Project topic sheets: one (1) draft and one (1) final, for up to 2 topic sheets (electronic copy)
- Website update content (up to 4)

Task No 4.03 – Online Presentation

Stepherson will plan, coordinate, promote and attend one (1) online presentation. The online presentation will provide information and gather input on draft 60% design. Stepherson will prepare a detailed event plan for the online presentation that identifies goals, team member roles, promotions,

and a work back schedule for meeting preparation. Three (3) prep sessions will be facilitated by Stepherson.

Assumptions:

- Stepherson will coordinate printing and mailing, and translation services.
- The City will be invoiced directly for printing and mailing, and translation services.
- The City will use their communication channels to actively promote the online presentation and online open house.
- Assumes a 1-hour event with closed captioning.
- Stepherson will coordinate and pay for closed captioning.
- Interpretation services will be provided upon request and coordinated and paid for by Stepherson.
- Assumes up to one (1) preliminary practice/organization session one (1) hour in duration and two (2), 2-hour practice sessions.
- KPFF Project Manager and three (3) Stepherson staff will attend the online presentation and the practice sessions.
- KPFF Project Manager and the City will take the lead in developing Power Point presentation.
- KPFF, LMN and KPG will provide graphics and content for the online presentation (see Task 4.04).

Deliverables:

- Detailed event plan for one (1) online presentation, Draft and Final (electronic copy)
- Mailer/postcard for one (1) online presentation (jointly promoting online open house), Draft and Final (electronic copy)
- Online presentation activity report and summary (1 Draft, 1 Final)

Task No 4.04 – Online Open House and Survey

Stepherson will plan, set up, draft content, promote and report on two (2) online open house and survey as a companion to the online presentation. The online open house will have up to eight pages, contain project and City branding elements, and include a survey.

Stepherson and the KPFF Project Manager will assist on the City, as needed, with preliminary responses to the survey questions.

Assumptions:

- The City will use their communication channels to actively promote the online presentation (1) and online open house (2).
- Stepherson will coordinate and pay for printing of mailers (2).
- City will pay for mailing through postage account at Haller Lake Post Office.

- Up to two (2) drafts, one final and maintenance of online open house site for up to three weeks.
- Will utilize Stepherson's online open house platform infocommunity.org.
- The online open house will meet City branding standards and guidelines.
- Google translate will be utilized for translations.
- Graphics will be provided by the other design team members including:
    - After completion of the 60% Design Phase, KPG will provide presentation quality graphic showing urban design and trail features for the western trail connection and bridge landings. Assume up to four (4) individual graphics.
    - After completion of the 60% Design Phase, LMN will provide up to six (6) presentation quality renderings showing the bridge main span and east landings. KPG will assist LMN by providing input on plantings and other urban design features in this area.

Deliverables:

- Survey questions, Draft and Final (electronic copy)
- Presentation quality urban design and trail graphics of west trail connections and landings, draft and final (electronic copy)
- Presentation quality renderings of main bridge span and east landings, draft and final (electronic copy)
- Online open house and survey, two (2) drafts and one (1) final
- PDF of online open house (electronic copy)
- Review of up to 1000 (approx. 500/survey) survey responses
- Online open house activity reports (3)
- Online open house activity and survey report (1 draft, 1 final)
- Mailer/postcard for two (2) online open houses (one of which will jointly promote the online presentation), Draft and Final (electronic copy)

Task No. 4.05 – Briefings and Community Presentations

Stepherson will schedule, prepare for, staff and report on one-on-one meetings, stakeholder briefings and community presentations. This includes briefing support with each of the 3 churches (3 briefings/each) near the eastside bridge landing, the Parkwood and Ridgecrest Neighborhood Associations (2 briefings/each) and up to 8 briefings with Title VI populations and other stakeholders.

Assumptions:

- Assumes three (3) briefings with each of the three (3) churches (9 total)
- Assumes two (2) briefings each with Parkwood and Ridgecrest Neighborhood Associations (4 total)
- City will provide existing property owner contact information
- City will participate in briefings (with 3 churches and any other property owners where right-of-way may be acquired)

- One (1) Stepherson staff and KPFF Project Manager will attend these briefings and presentations.
- Stepherson will coordinate and pay for interpretation services, if required.

Deliverables:

- Draft and Final individual stakeholder briefing reports (up to 21) (electronic copy)

Task No. 4.06 – Correspondence & Reporting

Stepherson will support City in the development of responses to public communications and reporting of project related community outreach during design.

Assumptions:

- Stepherson will draft responses. The City will review, finalize and distribute responses.
- Stepherson will draft a summary of community outreach activities that details how community was informed and involved in the project. This report will be drafted in a manner to be used with internal and external audiences.

Deliverables

- Up to twenty-five (25) draft communication responses (electronic copy)
- Draft and final community outreach report (electronic copy)

TASK 5.0 – EASEMENT & PROPERTY ACQUISITION SUPPORT SERVICES

Task No. 5.01– Administrative and Meetings

RES Group NW (RESGNW) will coordinate property acquisition activities with the appropriate City staff. Coordinate on schedule, budget, and deliverables for the duration of the work. Prepare parcel files (hard copy and electronic) meeting the documentation requirements of the effective WSDOT Local Agency Guidelines at the time of acquisition to include, but is not limited to, fair offer letters, recording and ancillary documents, a standard diary form indicating all contacts with owner(s), and other items necessary for negotiations.

RESGNW will attend up to eight (8) tele/videoconference meetings with the City to discuss ROW related topics. KPFF, in conjunction with the City, shall coordinate the date, time and agenda items for this meeting. RESGNW will submit weekly status reports to the City.

Assumptions:

- City will coordinate and schedule meetings with appropriate City staff.
- Weekly status reports will be submitted once negotiations begin

Deliverables:

- Weekly status reports (electronic copies)

Task No. 5.02 – Title Services

Conduct final review of up to three (3) title reports to assess type of ownership structure, existing encumbrances including access easements and potential conflicts from utility encumbrances, etc., that may require subordination agreements, reconveyances, etc., or pose obstacles or delays to the acquisition closing process. Coordinate with the City in assessing risk of existing parcel encumbrances and exceptions as they apply to the proposed acquisition on the parcel. Make recommendations regarding title encumbrances and exceptions in coordination with the City.

Assumptions:

- Title updates will be provided by the City.
- RESGNW will negotiate directly with SBA Inc (Cell tower owner) regarding renegotiation of existing utility easement on Iglesia parcel to keep existing utilities in place and any new easements for utilities installed for the cell tower as part of this project.

Deliverables:

- Title Summaries and Updated Title Summaries, draft and final (electronic copies)

Task No. 5.03 – Appraisal Services

RESGNW will contract with a WSDOT approved Fee Appraiser and Fee Review Appraiser for up to five (5) Appraisal Reports and five (5) reviews of the reports, this includes three (3) private properties, a WSDOT easement and a temporary construction easement from Sound Transit and one (1) valuation of the cell tower easement, if needed.

Submit all Appraisal Report(s) and Appraisal Review(s) to the City for review and establishment of Just Compensation by the City.

Assumptions:

- Contract for appraisal and review appraisal will be through RESGNW. Costs will be included as a reimbursable expense.

Deliverables:

- One (1) valuation of cell phone tower easement (electronic copy)
- Five (5) appraisal reports (electronic copy)
- Five (5) appraisal reviews (electronic copy)

Task No. 5.04 – Negotiation Services

RESGNW will perform property acquisition negotiation services for up to five (5) parcels for the project, this includes the permanent easement from WSDOT for the bridge pier and a temporary construction easement from Sound Transit. These services include:

- RESGNW will prepare a letter of introduction to property owners.
- Prepare offer and conveyance documents and submit offer packages for review by City and the governing funding agency, if applicable, utilizing WSDOT Local Agency forms or equivalent.
- Promptly present offers and negotiate in good faith with property owners to acquire necessary real property rights.
- Set up and maintain complete real property acquisition files for each impacted tax parcel or larger parcel.
- Conduct a minimum of three (3) significant and meaningful contacts with each property owner before recommendation of impasse in negotiations. Prepare Administrative Settlement Justification statements for up to three (3) properties. Provide written notice to the City of impasse in negotiations. Provide written notice to the City of recommendation for condemnation, if applicable.
- RESGNW will work with WSDOT to obtain an aerial/airspace easement for the main span of the proposed bridge and a permanent easement for the eastern bridge pier within WSDOT ROW.

Assumptions:

- Process will follow federal requirements for property acquisitions.
- All forms and documents shall comply with WSDOT standards and in accordance with statutory requirements.
- The City will review offer packages prior to presentation to property owners.

Deliverables:

- Five (5) electronic copy of complete real property acquisition files for the project and up to five (5) parcels as well as all original, signed conveyance documents required for recording and any other original documents required to comprise a complete property acquisition record (electronic copy)
- Requests for Payment supported by a signed a W-9 and other documents required to process payment (electronic copy)
- Aerial/airspace easement from WSDOT (electronic copy)
- Permanent easement from WSDOT for the eastern bridge pier (electronic copy)

Task No. 5.05 – Closing Services

RESGNW will provide the following closing services for the project:

- Conduct comprehensive checklist reviews for each acquisition file to support City's acquisition file review.
- Provide closing services to property owners for up to five (5) parcels.
- Submit signed conveyance documents with requests for payment and other supporting documents including signed W-9(s) and Excise Tax Affidavits, as applicable to the City for document recording and payment processing.
- Prepare payment vouchers for title clearing charges and submit to the City to process payment for up to Five (5) parcels.

Assumptions:

- The Consultant will transmit the signed conveyance documents and payment requests to the City for approval and processing
- The City will record conveyance documents and make payment for any and all compensation payments to property owners. The City will pay for all fees charged by trustees, and/or beneficiaries to clear encumbrances of record and other closing costs such as title policies, recording fees, and escrow fees if applicable

Deliverables:

- Five (5) electronic copy of complete real property acquisition files for the project and up to five (5) parcels as well as all original, signed conveyance documents required for recording and any other original documents required to comprise a complete property acquisition record

Task No. 5.06 – ROW Plans and Legal Descriptions

Furtado and Associates (F&A) will provide Parcel Maps and legal descriptions for all permanent acquisitions, TCEs, and WSDOT Airspace Lease. F&A will perform the following ROW services:

Associated Field Survey
F&A will perform field surveying necessary to complete the Right-of-Way services listed below.

Assumptions:

- Surveying will be based on previous surveying efforts and limited to two (2) days
- No new survey areas are anticipated
- Surveying efforts will not extend beyond the properties already surveyed

Deliverables:

- Updating project existing conditions basemaps (electronic copy)

ROW Plan Preparation

F&A will prepare a draft and a final set of additional Right-of-Way Plans at a scale of 1" = 20' per Client standards and include:

- Quarter section, Township and Range
- Existing ST property limits
- Updated property ownership on ROW Plans
- Street labels
- Adjacent property lines, parcel identification (ID) numbers, Client ROW ID numbers, and owner names
- ROW centerlines with bearings and distances
- Fee take parcels
- Easements, existing (as appropriate) and proposed (temporary and permanent)
- Call-outs for parcels to be dedicated by Client to others (specify city, agency, etc.)
- Modifications to existing easements
- Temporary construction easements (TCE)

Assumptions:

- F&A will submit one set of ROW plans for the draft PE submittal.
- F&A will submit one set of ROW plans for the final PE submittal.
- Existing ROW lines will be modified by Subcontractor based upon survey.
- A maximum of three (3) ROW plans are required

Deliverables:

- CAD and PDF files of ROW Plans

WSDOT Temporary and Permanent Airspace Lease Plan Preparation

F&A will prepare a draft and a final set of WSDOT TCAL and ASL plans and legal description for 148th Non- Motorized bridge crossing at Interstate 5.

Assumptions:

- F&A will submit one set of draft WSDOT TCAL and ASL plans
- F&A will submit one set of final WSDOT TCAL and ASL plans
- A maximum of one (1) each of TCAL and ASL plans are required

Deliverables:

- PDF files of WSDOT TCAL and ASL plans

Parcel Maps Preparation

- F&A will prepare draft and final Parcel Maps for the sites requiring partial acquisitions or easements in a format similar to those previous prepared for Client.
- The Subcontractor will prepare legal descriptions for the sites requiring partial acquisitions or permanent easements.
- Parcel Maps shall follow the Client template, per ROW Engineering Guide and include:
  - Two locational markers (e.g. - adjacent streets) if possible
  - Centerline of adjacent streets
  - Metes and bounds line work for parcel
  - Existing easements (as appropriate)
  - Proposed acquisitions including types and areas
  - Feature line work (e.g. nearby buildings, walls, curbs, edge of pavement)
  - North arrow, legend, scale, and title block

Assumptions:

- Legal descriptions for temporary construction easements (TCEs) will not be prepared.
- Each parcel map & legal description will be delivered as a draft and signed when ready for acquisition.
- There will be a maximum of four (4) properties requiring parcel maps & legal descriptions.
- Parcel maps & legal descriptions will require no more than two (2) drafts (one revision) each
- Title reports for affected properties will be provided by the Client

Deliverables:

- Up to four (4) Draft Parcel Maps and Legal Descriptions
- Up to four (4) Signed Parcel Maps and Legal Descriptions

TASK 6.0 – ENVIRONMENTAL SERVICES

Landau Associates is providing support for acquisition of environmental permits/authorizations under the 30% design phase, and this task is included to continue coordination with the Project Team to ensure permit conditions are adequately incorporated in final plans and specifications.

This task includes consulting services to coordinate with regulatory agencies to clarify permit conditions as necessary, review and comment of project plans and specifications in regard to environmental permit conditions, and coordination with the Project Team to ensure conformance of plans and specification with applicable environmental permits.

Assumptions:

- Project specifications and/or Plans will be provided to LAI

Deliverables:

- Markup of plans and/or specifications prepared by the Project Team (electronic copy)

TASK 7.0 – BRIDGE CANOPY DESIGN - OPTIONAL

Task No. 7.01 – Preliminary Design

As part of the 30% design, a tensile fabric canopy was proposed for the main bridge span. The City would like to explore a more traditional canopy structure with an option of including this in the final design. This task covers preliminary design of this canopy for evaluation by the City.

LMN and KPFF shall provide preliminary design for a more conventional main bridge span canopy. LMN will lead the design effort with KPFF providing structural and civil design support and KPG providing electrical/lighting design support.

Ott-Sakai will determine quantities and provide unit costs for structural and architectural bid items related to the canopy design.

KPG will provide quantities and unit costs for lighting/electrical design items related to the canopy design

Assumptions:

- Canopy will be of a traditional structural system, not tensile fabric.
- Canopy extends over the main bridge span only.
- The canopy will be designed such that it can be eliminated from the design with minimal impact to the design of the throw barrier or bridge structure

- LMN will coordinate with other disciplines on canopy structure, drainage, lighting design

Deliverables:

- Preliminary plans, elevations, sections, 3D modeled views (electronic copies)
- Estimated quantities and construction costs (electronic copies)

TASK 8.0 – BRIDGE & TRAIL 60% DESIGN

KPFF and the Subconsultants will perform the work necessary to complete the 60% design for the project.

The existing 30% bridge and trail design serves as the basis of design for all subsequent design phases.

KPFF will compile and submit to the City all deliverables described below in one complete package.

The following tasks are anticipated for the 60% design:

Task No. 8.01 – Civil Engineering

KPFF shall perform civil engineering work in support of the 60% design submittal including grading, paving, drainage, utilities, and traffic control design. See Exhibit 1 for anticipated civil design sheets to be included with this design submittal.

60% design will advance traffic control plans and coordination with WSDOT including draft versions of a WSDOT traffic management plan, TMP strategies, and site-specific traffic control plans for shoulder work on NB/SB I-5, including a full closure.

KPFF shall prepare a draft Stormwater Report for the project.

KPFF shall coordinate utility relocations required for the project, including preparing plans for any adjustments to water and sewer. Other utility relocations will typically be designed by the Utility and KPFF will assist in coordinating these relocations. Anticipated utilities include Ronald Wastewater District, Seattle City Light, Seattle Public Utilities and franchise utilities.

KPFF will provide 60% civil quantities and associated estimated costs. KPFF will provide technical special provisions for all non-standard bid items.

Assumptions:

- Technical specifications will be based on and conform to the WSDOT Standards Specifications.
- Civil design will be in accordance with the 2020 City of Shoreline Engineering Design Manual.
- Stormwater will be managed in accordance with the City of Shoreline Engineering Design Manual 2020 and WSDOT Highway Runoff Manual.

Deliverables:

- 60% design Civil Plans (electronic copy)
- 60% design Civil Technical Special Provisions (electronic copy)
- 60% civil design quantities and unit costs (electronic copy)
- Draft Traffic Control documentation (electronic copy)
- Draft Stormwater Report (electronic copy)

Task No. 8.02 – Structural Engineering

KPFF shall perform the structural engineering work in support of the 60% design submittal See Exhibit 1 for anticipated structural design sheets to be included with this design submittal.

KPFF shall provide 60% structural quantities and bid items necessary for cost estimating.

KPFF will provide technical special provisions for all non-standard, structural bid items.

Assumptions:

- Technical specifications will be based on and conform to the WSDOT Standards Specifications.

Deliverables:

- 60% design Structural Plans (electronic copy)
- 60% design structural quantities (electronic copy)
- 60% design Structural Technical Special Provisions (electronic copy)

Task No. 8.03 – Urban, Landscape, Illumination and Electrical Design

KPG will perform Urban, Landscape, Illumination and Electrical Design work in support of the 60% design submittal, including illumination and electrical as required for bridge structure. See Exhibit 1 for anticipated urban/landscape/illumination and electrical design sheets to be included with this design submittal.

KPG will provide urban/landscape/Illumination/electrical design quantities and associated estimated costs.

KPG will provide technical special provisions for all non-standard, urban/landscape/illumination/electrical bid items.

Assumptions:

- Technical specifications will be based on and conform to the WSDOT Standards Specifications.
- Urban, landscape and illumination design on East side connection will be coordinated with WSDOT and Sound Transit for compatibility and integrated design features.
- KPG will coordinate with KPFF for final trail alignment and bridge connection adjustments. KPFF will provide proposed backgrounds in AutoCAD for reference.
- KPFF will provide electronic template for technical special provisions and cost estimating.
- KPG will coordinate with LMN to provide illumination and electrical for the bridge structure as required.
- KPG will respond to recommendations included in the Arborists report for existing tree preservation, in the Tree Retention plan, as part of Task 12.1.

Deliverables:

- 60% Urban/Landscape/Illumination/Electrical design drawings (electronic copy)
- 60% design Urban/Landscape/Illumination/Electrical quantities and unit costs (electronic copy)
- 60% design Urban/Landscape/Illumination/Electrical Technical Special Provisions (electronic copy)
- Updated urban design illustrative package (electronic copy)
- Updated illumination report with preferred alternative (electronic copy)

Task No. 8.04 – Bridge Architecture Design

LMN shall perform the Bridge Architecture Design work in support of the 60% design submittal.

However, the architectural design of the elements listed below will be affected by a re-design of the canopy, per the city's direction. See Exhibit 1 for anticipated bridge architecture sheets to be included with at this design submittal.

Architectural Design will include design drawings and specifications for:

- Throw barriers
- Guardrails/Handrails
- Deck Finish
- Bridge paint colors, architectural finishes and other aesthetic elements.
- Coordination with other disciplines in design of lighting and drainage

LMN will provide technical special provisions for all non-standard bridge architecture bid items.

Assumptions:

- Technical specifications will be based on and conform to the WSDOT Standards Specifications.
- Bridge Architecture Design is assumed to encompass the span between the support abutments.
- Architectural design of the east approach and landings are excluded.
- Guardrails and handrails and lighting beyond the abutments will be documented by others (landscape and lighting disciplines), using similar design detailing by LMN as used for the main span

Deliverables:

- 60% design Bridge Architecture Drawings (electronic copy)
- 60% design Bridge Architecture Technical Specifications (electronic copy)

Task No. 8.05 – 60% Cost Estimating, Constructability Review and Construction Schedule

Ott-Sakai will calculate quantities and provide cost estimating for the structural and bridge architecture design elements (See Task 8.02 and 8.04). Ott Sakai will provide unit costs for these elements. KPFF will compile these into the overall project cost estimate.

Ott-Sakai will provide a construction schedule based upon the 60% design drawings. The construction schedule will show all construction activities, durations and interdependencies

Ott-Sakai will constructability review of the structural and bridge architecture design elements. These tasks include:

- Review and comment on structural and bridge architecture plans with respect to constructability
- Review and comment on structural and bridge architecture specifications with respect to constructability
- Review and provide input on construction staging. KPFF will lead development of staging plans.

Assumptions:

- The design team will provide 60% technical special provisions and design drawings to Ott-Sakai two (2) weeks in advance of the deliverable date.

Deliverables:

- Structural and architectural quantities and unit costs (electronic copy)
- Constructability review comment on design drawings, specifications and staging plans (electronic copy)
- Construction schedule (electronic copy)

Task No. 8.06 – 60% Division 1 Specifications, Deliverables Preparation & Submittal

KPFF will provide 60% general special provisions and project specific special provisions for Division 1 of the project specifications.

KPFF will assemble all plan sheets and deliverables listed under Task 8.0 and compile them into a single deliverable for submittal to the City.

Assumptions:

- The City will provide a boilerplate for the Division 1 specifications and any other front-end documents.

Deliverables:

- Compiled 60% deliverables (Plans, specifications cost estimate, reports, memos, etc) (1 hardcopy, electronic copy)
- Division 1 general special provisions and project special provisions (electronic copy)

TASK 9.0 – BRIDGE & TRAIL 90% DESIGN

KPFF and the Subconsultants will perform the work necessary to complete the 90% design. Based on currently available funding, the project is expected to be delivered in two construction phases:

- Phase 1: Eastside trail landing and TCEs required for construction of Phase I elements
- Phase 2: Main span bridge, west trail connection, east bridge foundation, all ROW acquisition and TCE's required for construction of Phase 2 elements

Based on this delivery method, KPFF and the Subconsultants will split the project into two separate bid packages, each including the elements described above.

KPFF will compile and submit to the City all deliverables described below in one complete package.

The following tasks are anticipated for the 90% design:

Task No. 9.01 – Civil Engineering

KPFF shall perform civil engineering work in support of the 90% design submittal as outlined in Task 8.01. See Exhibit 1 for anticipated civil design sheets to be included with this 90% design submittal.

KPFF will provide 90% civil quantities and associated estimated costs.

KPFF will provide technical special provisions for all non-standard civil bid items.

Assumptions:

- See Task 8.01 design assumptions.

Deliverables:

- Comment responses from 60% submittal (electronic copy)
- 90% design Civil Plans (electronic copy)
- 90% design Civil Technical Special Provisions (electronic copy)
- 90% design Civil quantities and unit costs (electronic copy)
- Final Traffic Control Documentation (electronic copy)
- Final Stormwater Report including responses to comments received on draft report (electronic copy)

Task No. 9.02 – Structural Engineering

KPFF shall perform the structural engineering work in support of the 90% design submittal See Exhibit 1 for anticipated structural design sheets to be included with this design submittal.

KPFF shall provide 90% structural quantities and bid items necessary for cost estimating. KPFF will provide technical special provisions for all non-standard, structural bid items.

Assumptions:

- See Task 8.02 design assumptions.

Deliverables:

- Comment responses from 60% submittal (electronic copy)
- 90% design Structural Plans (electronic copy)
- 90% design quantities and unit costs (electronic costs)
- 90% design Structural Technical Special Provisions (electronic copy)

Task No. 9.03 – Urban, Landscape, Lighting and Electrical Design

KPG will perform Urban, Landscape, Illumination and Electrical Design work in support of the 90% design submittal, including illumination and electrical as required for bridge structure.

KPG will provide urban /landscape/ illumination and electrical design quantities and associated estimated costs.

KPG will provide technical special provisions for all non-standard urban /landscape/illumination and electrical design bid items.

Assumptions:

- See Task 8.03 design assumptions.

Deliverables:

- Comment responses from 60% submittal (electronic copy)
- 90% Urban/Landscape/Illumination/Electrical design drawings (electronic copy)
- 90% design Urban/Landscape/Illumination/Electrical quantities and unit costs (electronic copy)
- 90% design Urban/Landscape/Illumination/Electrical Technical Special Provisions (electronic copy)

Task No. 9.04 – Bridge Architecture Design

LMN shall advance the 60% Bridge Architecture Design work in support of the 90% design submittal. See Exhibit 1 for anticipated bridge architecture sheets to be included with at this design submittal.

LMN will provide technical specifications for all non-standard bridge architecture bid items.

Assumptions:

- See Task 8.04 design assumptions.

Deliverables:

- Comment responses from 60% submittal (electronic copy)
- 90% design Bridge Architecture Drawings (electronic copy)
- 90% design Bridge Architecture Technical Specifications (electronic copy)

Task No. 9.05 – 90% Cost Estimating, Constructability Review and Construction Schedule

Ott-Sakai will calculate quantities and provide cost estimating for the structural and bridge architecture design elements (See Task 9.02 and 9.03). Ott-Sakai will provide unit costs for these elements. KPFF will compile these into the overall project cost estimate.

Ott-Sakai will provide a construction schedule based upon the 90% design drawings. The construction schedule will show all construction activities, durations and interdependencies.

Ott-Sakai will constructability review of the structural and bridge architecture design elements. These tasks include:

- Review and comment on structural and bridge architecture plans with respect to constructability
- Review and comment on structural and bridge architecture specifications with respect to constructability
- Review and provide input on construction staging. KPFF will lead development of staging plans.

Assumptions:

- The design team will provide 90% technical special provisions and design drawings to Ott-Sakai two (2) weeks in advance of the deliverable date.

Deliverables:

- Structural and architectural quantities and unit costs (electronic copy)
- Constructability review comment on design drawings, specifications and staging plans (electronic copy)
- Construction schedule (electronic copy)

Task No. 9.06 – 90% Division 1 Specifications, Deliverables Preparation & Submittal

KPFF will provide 90% general special provisions and project specific special provisions for Division 1 of the project specifications.

KPFF will assemble all plan sheets and deliverables listed under Task 9.0 and compile them into a single deliverable for submittal to the City.

Assumptions:

- See Task 8.06 for assumptions.

Deliverables:

- Compiled 90% deliverables (Plans, specifications, cost estimate, reports, memos, etc) (1 hardcopy, electronic copy)
- Division 1 general special provisions and project special provisions (electronic copy)

TASK 10.0 – BRIDGE & TRAIL 100% DESIGN

KPFF and the Subconsultants will perform the work necessary to complete the 100% design. The 100% design will be based on the 90% design.

KPFF will compile and submit to the City all deliverables described below in one complete package.

The following tasks are anticipated for the 100% design:

Task No. 10.01 – Civil Engineering

KPFF shall perform civil engineering work in support of the 100% design submittal. See Exhibit 1 for anticipated civil design sheets to be included with this design submittal.

KPFF will provide 100% civil quantities and associated estimated costs.

KPFF will provide technical special provisions for all non-standard civil bid items

Assumptions:

- See Task 9.01 design assumptions.

Deliverables:

- Comment responses from 90% submittal (electronic copy)
- 100% design Civil Plans (electronic copy)
- 100% design quantities and unit costs (electronic copy)
- 100% design Civil Technical Special Provisions (electronic copy)

Task No. 10.02 – Structural Engineering

KPFF shall perform the structural engineering work in support of the 100% design submittal See Exhibit 1 for anticipated structural design sheets to be included with this design submittal.

KPFF shall provide 100% structural quantities and bid items necessary for cost estimating.

KPFF will provide technical special provisions for all non-standard, structural bid items.

Assumptions:

- See Task 9.02 design assumptions.

Deliverables:

- Comment responses from 90% submittal (electronic copy)

- 100% design Structural Plans (electronic copy)
- 100% structural quantities and bid items (electronic copy)
- 100% design Structural Technical Special Provisions (electronic copy)

Task No. 10.03 – Urban, Landscape, Illumination and Electrical Design

KPG will perform Urban, Landscape, Illumination and Electrical Design work in support of the 100% design submittal. See Exhibit 1 for anticipated urban/landscape/Illumination and electrical design sheets to be included with this design submittal.

KPG will provide urban/landscape/illumination/electrical design quantities and associated estimated costs.

KPG will provide technical special provisions for all urban/landscape/illumination/electrical non-standard bid items.

Assumptions:

- See Task 9.03 design assumptions.

Deliverables:

- Comment responses from 90% submittal (electronic copy)
- 100% Urban/Landscape/Illumination/Electrical design drawings (electronic copy)
- 100% design Urban/Landscape/Illumination/Electrical quantities and unit costs (electronic copy)
- 100% design Urban/Landscape/Illumination/Electrical Technical Special Provisions (electronic copy)

Task No. 10.04 – Bridge Architecture Design

LMN shall advance the 90% Bridge Architecture Design work in support of the 100% design submittal. See Exhibit 1 for anticipated bridge architecture sheets to be included with at this design submittal.

LMN will provide technical special provisions for all non-standard bridge architecture bid items.

Assumptions:

- See Task 9.04 design assumptions.

Deliverables:

- Comment responses from 90% submittal (electronic copy)
- 100% design Bridge Architecture Plans (electronic copy) as listed in Exhibit 1
- 100% design Bridge Architecture Technical Specifications (electronic copy)

Task No. 10.05 – 100% Cost Estimating and Constructability Review

Ott Sakai will provide cost estimating for the structural and bridge architecture design elements (See Task 10.02 and 10.04). Ott Sakai will provide unit costs for these elements. KPFF will compile these into the project cost estimate.

Ott-Sakai will calculate quantities and provide cost estimating for the structural and bridge architecture design elements (See Task 10.02 and 10.03). Ott-Sakai will provide unit costs for these elements. KPFF will compile these into the overall project cost estimate.

Ott-Sakai will provide a construction schedule based upon the 100% design drawings. The construction schedule will show all construction activities, durations and interdependencies.

Ott-Sakai will constructability review of the structural and bridge architecture design elements. These tasks include:

- Review and comment on structural and bridge architecture plans with respect to constructability
- Review and comment on structural and bridge architecture specifications with respect to constructability
- Review and provide input on construction staging. KPFF will lead development of staging plans.

Assumptions:

- The design team will provide 100% technical special provisions and design drawings to Ott-Sakai two (2) weeks in advance of the deliverable date.

Deliverables:

- Structural and architectural quantities and unit costs (electronic copy)
- Constructability review comment on design drawings, specifications and staging plans (electronic copy)
- Construction schedule (electronic copy)

Task No. 10.06 – 100% Division 1 Specifications, Deliverables Preparation & Submittal

KPFF will provide 100% general special provisions and project specific special provisions for Division 1 of the project specifications.

KPFF will assemble all plan sheets and deliverables listed under Task 9.0 and compile them into a single deliverable for submittal to the City.

Assumptions:

- See Task 9.06 for assumptions.

Deliverables:

- Compiled 100% deliverables (Plans, specifications, cost estimate, reports, memos, etc) (1 hardcopy, electronic copy)
- Division 1 general special provisions and project special provisions (electronic copy)

TASK 11.0 – BRIDGE & TRAIL BID DOCUMENTS

KPFF and the Subconsultants will perform the work necessary to complete bid documents for the project.

All bid documents will be stamped and sealed by an architect, landscape architect or professional engineer licensed in the State of Washington.

KPFF will compile and submit to the City all deliverables described below in one complete package.

The following tasks are anticipated for the bid documents:

Task No. 11.01 – Civil Engineering

KPFF shall perform civil engineering work in support of the Bid Document design. See Exhibit 1 for anticipated civil design sheets to be included with this design submittal.

KPFF will provide civil quantities and associated estimated costs for Bid Documents.

KPFF will provide technical special provisions for all non-standard civil bid items

Assumptions:

- See Task 10.01 design assumptions.

Deliverables:

- Bid Document Civil Plans, signed and sealed (electronic copy)
- Bid Document Civil quantities and unit costs (electronic copy)
- Bid Document Civil Technical Special Provisions, signed and sealed (electronic copy)

Task No. 11.02 – Structural Engineering

KPFF shall perform the structural engineering work in support of the Bid Document design submittal See Exhibit 1 for anticipated structural design sheets to be included with this design submittal.

KPFF shall provide structural quantities and bid items necessary for cost estimating. KPFF will provide technical special provisions for all non-standard, structural bid items.

Assumptions:

- See Task 10.02 design assumptions.

Deliverables:

- Bid Document Structural Plans, signed and sealed (electronic copy)
- Bid Document structural quantities (electronic copy)
- Bid Document Structural Technical Special Provisions, signed and sealed (electronic copy)

Task No. 11.03 – Urban, Landscape, Illumination and Electrical Design

KPG will perform Urban, Landscape, Illumination and Electrical Design work in support of the Bid submittal. See Exhibit 1 for anticipated urban/landscape/Illumination and electrical design sheets to be included with this design submittal.

KPG will provide urban/landscape/Illumination/electrical design quantities and associated estimated costs. KPG will provide technical special provisions for all non-standard bid items.

Assumptions:

- See Task 10.03 design assumptions.

Deliverables:

- Bid Urban/Landscape/Illumination/Electrical design drawings, signed and sealed (electronic copy)
- Bid Urban/Landscape/Illumination/Electrical quantities and unit costs (electronic copy)
- Bid Urban/Landscape/Illumination/Electrical Technical Special Provisions, signed and sealed (1 hardcopy, electronic copy)

Task No. 11.04 – Bridge Architecture Design

LMN shall update the 100% Bridge Architecture Design work in support of the Bid Documents submittal. See Exhibit 1 for anticipated bridge architecture sheets to be included with at this design submittal.

LMN will update technical specifications for all non-standard bridge architecture bid items.

Assumptions:

- See Task 10.04 design assumptions.

Deliverables:

- 100% design Bridge Architecture Plans, signed and sealed (electronic copy)
- 100% design Bridge Architecture Technical Specifications, signed and sealed (electronic copy)

Task No. 11.05 – Bid Documents Cost Estimating

Ott Sakai will provide cost estimating for the structural and bridge architecture design elements (See Task 11.02 and 11.04). Ott Sakai will provide unit costs for these elements. KPFF will compile these into the project cost estimate.

Task No. 11.06 – Bid Documents Division 1 Specifications, Deliverables Preparation & Submittal

KPFF will provide Bid Document general special provisions and project specific special provisions for Division 1 of the project specifications.

KPFF will assemble all plan sheets and deliverables listed under Task 9.0 and compile them into a single deliverable for submittal to the City.

Assumptions:

- See Task 10.06 for assumptions.

Deliverables:

- Compiled Bid Document deliverables (Plans, specifications, cost estimate, reports, memos, etc) (1 hardcopy, electronic copy)
- Division 1 general special provisions and project special provisions (electronic copy)

TASK 12.0 – TREE ASSESSMENT AND ARBORIST REPORT

KPG will perform consulting arborist work on trees within the limits of disturbance in support of the 60% Design submittal. KPG will conduct a tree inventory which will assess location, size, condition, health, species, and tree preservation policy for all trees anticipated to be impacted by the proposed design. The tree inventory will be used to prepare a draft Arborist Report, which will include a Tree Retention Plan (to be included in the 60% submittal). The

draft Arborist Report will be submitted to the City for review. KPG will address City comments and resubmit a final Arborist Report.

Task No. 12.01 – Tree Assessment, Arborist Report & Tree Retention Plan

Assumptions:

- Electronic survey will be provided by KPFF
- KPFF to provide further survey information if trees are determined to be severely impacted by the proposed design and are outside of current survey limits.
- Site access will be facilitated by the City and KPFF, including access to the WSDOT site
- Code research for tree mitigation will be part of Task 8.03.
- Design solution for reducing impact on trees on private property will be part of Task 8.03.

Deliverables:

- Draft and Final Arborist Report, including Tree Retention Plan (electronic copies)

TASK 13.0 – ADDITIONAL UNANTICIPATED, URGENT OR SPECIAL SERVICES

KPFF and the Subconsultants may provide engineering services which are unplanned, urgent and/or critical to maintaining the project schedule and progress of the work. The work of this task must be specifically scoped, agree to and authorized in writing by the City prior to performing the work. Work areas may include, but are not limited to the following:

- Provide additional surveying
- Attend meetings
- Coordinate with public utilities and companies
- Provide ROW services
- Prepare draft responses to technical questions from the public and other associated with engineering design
- Provide services pertaining to civil, structural, urban design, landscape, architectural, permitting, geotechnical and cost estimating
- Other tasks to complete final design of project

Deliverables:

- Reports, estimates, drawings, memorandums and documentation, as appropriate

Assumptions:

- Up to 632 hours are planned for this task. The specific hours will be determined based upon actual services authorized.

EXHIBIT 1

Attachment A

Exhibit 1: N 148th NMB Final Design, Drawing Index

Sheet #	Dwg No.	Description	60%	90%	100%/Bid	FIRM
1	G001	COVER SHEET	X	X	X	KPFF PM
2	G002	DRAWING INDEX	X	X	X	KPFF PM
3	G003	PROPOSED PROJECT CONSTRUCTION SEQUENCE - 1	X	X	X	KPFF PM
4	G004	PROPOSED PROJECT CONSTRUCTION SEQUENCE - 1	X	X	X	KPFF PM
5	C001	Site Preparation / TESC	X	X	X	KPFF CIV
6	C002	Site Preparation / TESC	X	X	X	KPFF CIV
7	C003	Site Preparation / TESC	X	X	X	KPFF CIV
8	C004	Site Preparation / TESC	X	X	X	KPFF CIV
9	C005	Alignment/ROW Plans	X	X	X	KPFF CIV
10	C006	Alignment/ROW Plans	X	X	X	KPFF CIV
11	C007	Typical Sections	X	X	X	KPFF CIV
12	C008	Typical Sections	X	X	X	KPFF CIV
13	C009	Trail Plan and Profile	X	X	X	KPFF CIV
14	C010	Trail Plan and Profile	X	X	X	KPFF CIV
15	C011	Trail Plan and Profile	X	X	X	KPFF CIV
16	C012	Trail Plan and Profile	X	X	X	KPFF CIV
17	C013	Drainage and Utility Plan	X	X	X	KPFF CIV
18	C014	Drainage and Utility Plan	X	X	X	KPFF CIV
19	C015	Drainage and Utility Plan	X	X	X	KPFF CIV
20	C016	Drainage / Utility Profiles	X	X	X	KPFF CIV
21	C017	Drainage / Utility Profiles	X	X	X	KPFF CIV
22	C018	Drainage / Utility Profiles		X	X	KPFF CIV
23	C019	Grading Enlargement Details		X	X	KPFF CIV
24	C020	Grading Enlargement Details		X	X	KPFF CIV
25	C021	Grading Enlargement Details		X	X	KPFF CIV
26	C022	Pavement Marking	X	X	X	KPFF CIV
27	C023	Pavement Marking	X	X	X	KPFF CIV
28	C024	Misc Details		X	X	KPFF CIV
29	C025	Traffic Control Plans	X	X	X	KPFF CIV
30	C026	Traffic Control Plans	X	X	X	KPFF CIV
31	C027	Traffic Control Plans	X	X	X	KPFF CIV
32	C028	Traffic Control Plans	X	X	X	KPFF CIV
33	C029	Traffic Control Plans	X	X	X	KPFF CIV
34	C030	Traffic Control Plans	X	X	X	KPFF CIV
35	C031	Traffic Control Plans	X	X	X	KPFF CIV
36	C032	Traffic Control Plans	X	X	X	KPFF CIV
37	C033	Traffic Control Plans	X	X	X	KPFF CIV
38	C034	Traffic Control Plans	X	X	X	KPFF CIV
39	S001	GENERAL STRUCTURAL NOTES	X	X	X	KPFF BRIDGE
40	S002	BRIDGE PLAN & ELEVATION	X	X	X	KPFF BRIDGE
41	S003	BRIDGE TYPICAL SECTIONS	X	X	X	KPFF BRIDGE
42	S004	BRIDGE PROPOSED CONSTRUCTION SEQUENCE - 1	X	X	X	KPFF BRIDGE
43	S005	BRIDGE PROPOSED CONSTRUCTION SEQUENCE - 2	X	X	X	KPFF BRIDGE
44	S006	BRIDGE PROPOSED CONSTRUCTION SEQUENCE - 3	X	X	X	KPFF BRIDGE
45	S005	BRIDGE PROPOSED CONSTRUCTION - FOUNDATION	X	X	X	KPFF BRIDGE
46	S006	BRIDGE PROPOSED CONSTRUCTION - SPAN 1		X	X	KPFF BRIDGE
47	S007	BRIDGE PROPOSED CONSTRUCTION - SPAN 2	X	X	X	KPFF BRIDGE
48	S008	BRIDGE PROPOSED CONSTRUCTION - SPAN 3		X	X	KPFF BRIDGE
49	S100	BRIDGE FOUNDATION PLAN	X	X	X	KPFF BRIDGE
50	S101	SHAFT DETAILS	X	X	X	KPFF BRIDGE
51	S102	PIER 1 PLAN & ELEVATION	X	X	X	KPFF BRIDGE
52	S103	PIER 1 DETAILS - 1		X	X	KPFF BRIDGE
53	S104	PIER 1 DETAILS - 2				KPFF BRIDGE
54	S105	PIER 2 & 3 PLAN & ELEVATION	X	X	X	KPFF BRIDGE
55	S106	PIER 2 & 3 DETAILS 1 OF 2		X	X	KPFF BRIDGE
56	S107	PIER 2 & 3 DETAILS 2 OF 2		X	X	KPFF BRIDGE
57	S200	SPAN 1 - FRAMING PLAN & TYP SECTION	X	X	X	KPFF BRIDGE
58	S201	SLAB GIRDER DETAILS 1 OF 3	X	X	X	KPFF BRIDGE
59	S202	SLAB GIRDER DETAILS 2 OF 3	X	X	X	KPFF BRIDGE
60	S203	SLAB GIRDER DETAILS 3 OF 3	X	X	X	KPFF BRIDGE
61	S204	SPAN 1 - BRIDGE DECK REINF PLAN		X	X	KPFF BRIDGE
62	S205	SPAN 1 - MISC DETAILS		X	X	KPFF BRIDGE
63	S300	SPAN 2 - FRAMING PLAN & ELEVATION	X	X	X	KPFF BRIDGE
64	S301	CHORD LAYOUT	X	X	X	KPFF BRIDGE
65	S302	CHORD CONNECTION DETAILS 1 OF 2		X	X	KPFF BRIDGE
66	S303	CHORD CONNECTION DETAILS 2 OF 2		X	X	KPFF BRIDGE
67	S304	CHORD BRACING DETAILS	X	X	X	KPFF BRIDGE
68	S305	CABLE HANGER DETAILS		X	X	KPFF BRIDGE
69	S306	CABLE STRESSING SEQUENCE		X	X	KPFF BRIDGE
70	S307	BRIDGE DECK CONNECTION DETAILS 1 OF 3		X	X	KPFF BRIDGE
71	S308	BRIDGE DECK CONNECTION DETAILS 2 OF 3		X	X	KPFF BRIDGE
72	S309	BRIDGE DECK CONNECTION DETAILS 3 OF 3		X	X	KPFF BRIDGE
73	S310	SPAN 2 - BRIDGE DECK REINF PLAN & SECTION		X	X	KPFF BRIDGE
74	S311	SPAN 2 - BEARING DETAILS 1 OF 2		X	X	KPFF BRIDGE
75	S312	SPAN 2 - BEARING DETAILS 2 OF 2		X	X	KPFF BRIDGE
76	S313	SPAN 2 - MISC DETAILS 1 OF 2		X	X	KPFF BRIDGE
77	S314	SPAN 2 - MISC DETAILS 2 OF 2		X	X	KPFF BRIDGE
78	S315	SPAN 3 - PLAN & TYP SECTION	X	X	X	KPFF BRIDGE
79	S400	CIP SLAB REINF PLAN		X	X	KPFF BRIDGE
80	S401	SPAN 3 - MISC DETAILS		X	X	KPFF BRIDGE
81	S500	EXPANSION JOINTS		X	X	KPFF BRIDGE
82	S600	WALL 1 PLAN, ELEVATION, & SECTION	X	X	X	KPFF BRIDGE
83	S601	WALL 1 DETAILS		X	X	KPFF BRIDGE
84	S602	WALL 2 PLAN, ELEVATION, & SECTION	X	X	X	KPFF BRIDGE
85	S603	WALL 2 DETAILS		X	X	KPFF BRIDGE
86	S604	WALL 3 PLAN & ELEVATION	X	X	X	KPFF BRIDGE
87	S605	WALL 3 PLAN & ELEVATION	X	X	X	KPFF BRIDGE
88	S606	WALL 4 PLAN & ELEVATION	X	X	X	KPFF BRIDGE
89	S607	WALL 3 & 4 SECTION		X	X	KPFF BRIDGE
90	S608	FALL PROTECTION RAILING DETAILS - 1				KPFF BRIDGE
91	S609	FALL PROTECTION RAILING DETAILS - 2				KPFF BRIDGE
92	S700	LIGHTWEIGHT FILL PROTECTION SLAB LAYOUT 1	X	X	X	KPFF BRIDGE
93	S701	LIGHTWEIGHT FILL PROTECTION SLAB LAYOUT 2	X	X	X	KPFF BRIDGE
94	S702	LIGHTWEIGHT FILL PROTECTION SLAB DETAILS 1 OF 3		X	X	KPFF BRIDGE
95	S703	LIGHTWEIGHT FILL PROTECTION SLAB DETAILS 2 OF 3		X	X	KPFF BRIDGE
96	S704	LIGHTWEIGHT FILL PROTECTION SLAB DETAILS 3 OF 3		X	X	KPFF BRIDGE
97	S800	COLUMN SILO & COVER DETAILS		X	X	KPFF BRIDGE
98	S801	BRIDGE MOUNTED SIGN BRACKET LAYOUT	X	X	X	KPFF BRIDGE
99	S802	BRIDGE MOUNTED SIGN BRACKET GEOMETRY	X	X	X	KPFF BRIDGE
100	S803	BRIDGE MOUNTED SIGN BRACKET DETAILS 1 OF 3	X	X	X	KPFF BRIDGE
101	S804	BRIDGE MOUNTED SIGN BRACKET DETAILS 2 OF 3	X	X	X	KPFF BRIDGE
102	S805	BRIDGE MOUNTED SIGN BRACKET DETAILS 3 OF 3	X	X	X	KPFF BRIDGE
103	S806	CANTILEVER SIGN STRUCTURE LAYOUT	X	X	X	KPFF BRIDGE
104	S807	CANTILEVER SIGN STRUCTURE DETAILS 1 OF 3	X	X	X	KPFF BRIDGE
105	S808	CANTILEVER SIGN STRUCTURE DETAILS 2 OF 3	X	X	X	KPFF BRIDGE
106	S809	CANTILEVER SIGN STRUCTURE DETAILS 3 OF 3	X	X	X	KPFF BRIDGE
107	S810	CANTILEVER SIGN STRUCTURE FOUNDATION 1 OF 2	X	X	X	KPFF BRIDGE
108	S811	CANTILEVER SIGN STRUCTURE FOUNDATION 2 OF 2	X	X	X	KPFF BRIDGE
109	A0.00	Abbreviations, Legends, General Notes		X	X	LMN
110	A1.01	Floor Plan - Main Span Bridge Deck	X	X	X	LMN
111	A1.11	Roof Plan	X	X	X	LMN
112	A1.21	Reflected Ceiling Plan (Canopy)	X	X	X	LMN
113	A1.22	Reflected Ceiling Plan (Deck Underside)	X	X	X	LMN
114	A2.01	Elevations - North and South Main Span	X	X	X	LMN
115	A3.01	Building Sections - Longitudinal North and South	X	X	X	LMN
116	A3.02	Building Cross Sections	X	X	X	LMN
117	A3.03	Building 3D Sections	X	X	X	LMN
118	A3.04	Wall Sections - Typical Throw Barrier, Guardrail and Roof Canopy	X	X	X	LMN
119	A4.01	Details - Guardrail	X	X	X	LMN
120	A4.03	Details - Throw Barrier	X	X	X	LMN
121	A4.04	Details - Miscellaneous		X	X	LMN
122	A5.01	3D View - Main Span	X	X	X	LMN
123	A5.02	3D View - Main Span	X	X	X	LMN
124	UR01	URBAN DESIGN PLAN	X	X	X	KPG
125	UR02	URBAN DESIGN PLAN	X	X	X	KPG
126	UR03	URBAN DESIGN ENLARGEMENT PLAN		X	X	KPG
127	UR04	URBAN DESIGN DETAILS	X	X	X	KPG
128	UR05	URBAN DESIGN DETAILS	X	X	X	KPG
129	UR06	URBAN DESIGN DETAILS	X	X	X	KPG
130	UR07	URBAN DESIGN DETAILS	X	X	X	KPG
131	UR08	URBAN DESIGN DETAILS	X	X	X	KPG
132	LS01	LANDSCAPE PLAN	X	X	X	KPG
133	LS02	LANDSCAPE PLAN	X	X	X	KPG
134	LS03	LANDSCAPE SCHEDULE & DETAILS	X	X	X	KPG
135	LS04	LANDSCAPE DETAILS	X	X	X	KPG
136	LS05	LANDSCAPE DETAILS		X	X	KPG
137	IR01	IRRIGATION PLAN	X	X	X	KPG
138	IR02	IRRIGATION PLAN	X	X	X	KPG
139	IR03	IRRIGATION SCHEDULE & DETAILS	X	X	X	KPG
140	IR04	IRRIGATION DETAILS	X	X	X	KPG
141	ILL01	Illumination/Lighting Plan	x	x	x	KPG
142	ILL02	Illumination/Lighting Plan	x	x	x	KPG
143	ILL03	Illumination/Lighting Plan	x	x	x	KPG
144	ILL04	Bridge Wiring Diagram		x	x	KPG
145	ILL05	Bridge Wiring Diagram		x	x	KPG
146	ILL06	Illumination Details	x	x	x	KPG
147	ILL07	Illumination Details	x	x	x	KPG
148	ILL08	Illumination Details		x	x	KPG
149	ROW1	ROW PLAN - IGLESIA		X	X	F&A
150	ROW2	ROW PLAN - PHILLIPPI		X	X	F&A
151	ROW3	ROW PLAN - UNITARIAN		X	X	F&A
152	ROW4	ROW PLAN WSDOT - 1		X	X	F&A
153	ROW5	ROW PLAN WSDOT - 2		X	X	F&A
154	ROW5	ROW PLAN WSDOT - 2		X	X	F&A