

Utah Transit Authority
 669 West 200 South
 Salt Lake City, Utah 84101
 Phone: (801) 741-8885
 Fax: (801) 741-8892



CHANGE ORDER

No. 8

TITLE: Final Canopy and Battery Electric Bus Charging Design
 PROJECT/CODE: MSP102 - Depot District
 TO: Stantec Architecture Inc.
 ATTN: Merlin Maley

DATE: 4/16/2021
 This is a change order to
 CONTRACT No: 18-02931TP

DESCRIPTION OF CHANGE: Brief scope, references to scope defining documents such as RFIs, submittals, specified drawings, exhibits, etc.

This change order is for our design team to perform final design services for the battery electric bus charging systems and the bus canopies for Depot District. The canopies will be designed to accommodate future pantographs as that technology becomes available for charging. The canopies will also be designed to be structurally capable of holding solar panels. The canopy design also includes lighting and conduits for security cameras.

The battery electric bus charging final design is to provide sufficient charging for the approximately 30 buses UTA will need to charge when Depot District opens. The design also includes conduits to a second canopy so that charging equipment and wiring can be expanded in the future as new buses are added. This design assumes that UTA will own the actual charging equipment and Rocky Mountain Power will own the transformers and switchgear.

Direction or Authorization to Proceed (DAP) previously executed: YES ___ NO X

It is mutually agreed upon, there is a schedule impact due to this Change order: YES ___ NO X

The amount of any adjustment to time for Substantial Completion and/or Guaranteed Completion or Contract Price includes all known and stated impacts or amounts, direct, indirect and consequential, (as of the date of this Change Order) which may be incurred as a result of the event or matter giving rise to this Change Order. Should conditions arise subsequent to this Change Order that impact the Work under the Contract, including this Change Order, and justify a Change Order under the Contract, or should subsequent Change Orders impact the Work under this Change Order, UTA or the Contractor may initiate a Change Order per the General Provisions, to address such impacts as may arise.

Current Change Order		Contract		Schedule	
Lump Sum:	\$238,799	Original Contract Sum:	\$2,220,059	Final Completion Date Prior to This Change:	12/31/2021
Unit Cost:	-	Net Change by Previously Authorized Changes:	\$1,311,708	Contract Time Change This Change Order (Calendar Days):	0
Cost Plus:	-	Previous Project Total:	\$3,531,767	Final Completion Date as of This Change Order:	12/31/2021
Total:	\$238,799	Net Change This Change Order:	\$238,799		
		Current Project Total:	\$3,770,566		

ACCEPTED:

By: _____
 Date: _____

Merlin Maley
 Stantec Architecture Inc.

By: _____
 Date: _____
 David Osborn
 Project Manager <\$10,000

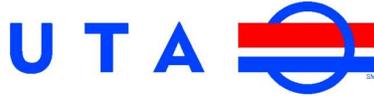
By: _____
 Date: _____
 David Hancock
 Director of Capital Construction <\$50,000

By: _____
 Date: _____
 Mary DeLoretto
 Chief Service Dev Officer <\$100,000

By: _____
 Date: _____
 Brian Motes
 Procurement

DocuSigned by:
 By: Mike Bell
 Date: 4/22/2021
 Michael Bell
 Legal Review

By: _____
 Date: _____
 Carolyn M. Gonot
 Executive Director >\$100,000



Change Order Summary Worksheet
Previously Authorized Changes

Contract	18-02931TP STA
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Change Order No	Date	Amount of CO	Running Contract Total	Subject
Original Contract			\$2,220,059	
1	4/19/2019	\$53,460	\$2,273,519	Updated Construction Cost Estimate
2	8/7/2019	\$1,144,353	\$3,417,872	Depot District Clean Fuel Technology Center-Maintenance Building Design
3	4/17/2020	\$17,003	\$3,434,875	Geotechnical Investigation
4	5/15/2020	\$19,898	\$3,454,773	Fuel System Design Changes
5	7/17/2020	\$36,255	\$3,491,028	Battery Electric Bus (BEB) Charging Concept Study
6	1/15/2021	\$36,444	\$3,527,472	Depot District Photovoltaic Design, Engineering, and Cost Estimating
7	2/19/2021	\$4,295	\$3,531,767	Updates to Conference Rooms to Include A/V Equipment
Total to Date		\$ 1,311,708		



Stantec Architecture Inc
999 18th Street, Suite 202
Denver, CO 80202

March 26, 2021 **Revised April 5, 2021**

2270351402/01 Management/Contracts/00_Stantec Construction Contract/01_Prime Agreement/Change Orders/CO#8_BEB_Canopy Full Design

Attention: David Osborn, Project Manager

Utah Transit Authority
669 West 200 South
Salt Lake City, UT 84101

Dear David,

Reference: DDCFTC – Battery Electric Bus (BEB) Infrastructure 100% Design and Associated Canopies Redesign

As requested by UTA, we are providing this change order proposal to provide 100% design and construction administration services for the BEB Infrastructure Design, Re-engineering of the Canopies to support the BEB pantographs + photovoltaic systems (panels, inverters, associated equipment), and the associated coordination with architecture and civil engineering.

All work associated with this proposal will include drawings and specifications for permitting and construction (plans, elevations, details, schedules, one-line diagrams, schedules, etc.).

This proposal is based on the following needs and assumptions as discussed previously with UTA.

- **BEB Infrastructure**
 - All medium voltage raceways and vaults
 - All primary switchgear and transformers will be owned by RMP
 - All electrical service engineering will be supplied by RMP
 - UTA will own all the equipment downstream from the switchgear
 - UTA's selected BEB infrastructure equipment will be supplied by one vendor (charging cabinets, individual chargers, plugs, chords, etc.)
 - 150 kW Chargers are the basis of design
 - 3:1 buses to chargers ratio in the current design with expansion capabilities to 1:1 in the future
 - Ability to hang pantograph charging equipment from the canopies to connect to the buses
 - Affects Canopies #2 and #3 (2 middle canopies in phase 1, 150 buses)
- **Photovoltaic System Integration**
 - Design coordination of raceways and loading from PV equipment is required within this scope of work for the canopy design

March 26, 2021
David Osborn, Project Manager
Page 2 of 5

Reference: DDCFTC – Battery Electric Bus (BEB) Infrastructure 100% Design and Associated Canopies Redesign

- Affects Canopies #1 – 4 (all phase 1 canopies)
- Engineering basis of design for all future canopies for 250 buses
- Engineering of the overhead structure for PV conduits + conductors routing from canopy #2 or #3 to the building
- Engineering for overhead bridge structures connecting each canopy for PV conduits + conductors
- Anticipated moment frame canopy design structures

Cost Estimating services are limited to:
Not included

Exclusions:

- See included proposal from Spectrum Engineers, Reaveley Engineering, and Jacobs Engineering.

Meetings:

- 4 meetings with RMP and UTA
- 6 review meetings with UTA

Schedule:

- Completion of canopy structural engineering by end of June 28, 2021 assuming Notice to Proceed from UTA by April 15, 2021. Delays past April 15 will result in a day for day slip in the schedule (work days), but the Stantec team will do everything within its power to still deliver final deliverables on or before June 28.

Deliverables:

- 100% For Construction Drawings and Specifications



Stantec Architecture Inc
999 18th Street, Suite 202
Denver, CO 80202

Fee Proposal:

CONSULTANT TEAM			
Spectrum	See proposal	Labor	\$140,778.40
		10% Lump Sum Profit	\$14,077.84
		Total NTE	\$154,856.24
Reaveley	See proposal	Labor	\$50,814.00
		10% Lump Sum Profit	\$5,646.00
		Total NTE	\$56,460.00
Jacobs	See proposal	Labor	\$8,328.00
		10% Lump Sum Profit	\$833.00
		Total NTE	\$9,161.00
SUBCONSULTANTS			\$220,477.24
Stantec Employee	Billing Rate	Hours	Labor
Merlin Maley	\$185.65	20	\$3,713.00
Barry Newton	\$133.02	32	\$4,256.64
Andrew Hubbard	\$59.48	90	\$4,758.40
Mike Voigt	\$138.87	24	\$3,332.88
		Subtotal Labor	\$16,655.72
		10% Lump Sum Profit	\$1,665.57
STANTEC			\$18,321.29
STANTEC TEAM TOTAL			\$238,798.53

Once we have an executed change order from UTA (or NTP), Stantec will provide change orders to the consultant team.

March 26, 2021
David Osborn, Project Manager
Page 4 of 5

Reference: DDCFTC – Battery Electric Bus (BEB) Infrastructure 100% Design and Associated Canopies Redesign

Sincerely,

A handwritten signature in black ink, appearing to read 'Merlin Maley', with a large, sweeping underline.

Merlin Maley AIA, LEED AP, NCARB
Principal

Phone: 303-575-8497
Mobile: 303-921-8708
Merlin.maley@stantec.com

Attachment: None

c. Barry Newton (Stantec), David Osborn (UTA), Gregg Larson (UTA)



Fee Proposal For:

UTA Depot District Service Center – Add Scope 04

Stantec
 Merlin Maley, AIA, LEED AP
 1050 17th Street, Suite A200
 Denver, CO 80265
 303.295.1717
merlin.maley@stantec.com

March 19, 2021

This agreement is made between Spectrum Engineers, Inc. and Stantec, hereinafter called the “Client”.

General Project Description:

We are pleased to provide this proposal for professional Electrical consulting engineering design services for the project listed above. Our proposal is based on the design from SD through CA for the canopies with infrastructure for BEB charging along with the following general project scope:

Project Type: Canopy design with infrastructure for BEB charging

Project Size (square feet): Approximately 180,000SF of canopy

Design Schedule Timeframe: Minimum of 2 months

Project Not to Exceed Fee:

2021 - Spectrum Engineers Rates For BEB Charging SD-CA				
Personnel	Name	Hr Rate	Est. Hrs	Total Est. Cost
Principal	Dave Weseman	250	8	\$ 2,000.00
Principal	Chris Kobayashi	250	110	\$ 27,500.00
Principal	Jonathan Arnold	200	125	\$ 25,000.00
Project Manager	Lance Kobayashi	160	255	\$ 40,800.00
Project Manager	Jim Morris	147.3	8	\$ 1,178.40
Bim Manager	Scott Taylor	115	115	\$ 13,225.00
Bim Manager	Ben Worwood	115	55	\$ 6,325.00
Bim Modeler	Isaiah Crespo	90	210	\$ 18,900.00
Bim Modeler	Emma Dingman	90	65	\$ 5,850.00
Direct Labor & Overhead Total				\$ 140,778.40
10% Lump Sum Profit				\$ 14,077.84
Not To Exceed Total				\$ 154,856.24

Required from Client/Owner:

- a. Revit Model or ACAD backgrounds

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- b. BEB equipment

Basis of Fee:

General

Design services are limited to:

1. Attendance of up to six design meeting(s) as requested by Client.
2. Attendance of up to four design meeting(s) with RMP as requested by Client.
3. Drawings and book form specifications detailing work required.
4. Corrections to our drawings to reflect changes and comments by all Reviewing Authorities.
5. An electronic set of final drawings and specifications in PDF format for record purposes.
6. Revit modeling:
 - All Electrical Level of Development 200

Bidding services are limited to:

1. Issuing addenda
2. Answering bidders questions (RFI's, etc.)

Construction Administration services are limited to:

1. Submittal review and comment
2. Reviewing costs for changes
3. Answering contractor construction related questions (RFI's, etc.)
4. Up to 2 site visit(s) or construction meetings or observations as requested by Client
5. Shop drawing review
6. Minor change order or supplementary instruction preparation
7. One final observation report (excludes testing of systems)
8. Record drawings
9. Review of O&M manuals

Electrical design is limited to:

Power

1. RMP coordination
2. Medium Voltage Raceways and vault (excluding cabling and gear)
3. BEB electrical infrastructure
4. Electrical Service
5. Outlet and general power at canopies
6. High level PV system integration into electrical system for only required raceways for canopy.

Lighting

1. Site Lighting
2. Canopy Lighting
3. Lighting Controls (Dimming, Daylight, etc.)
4. COMcheck Lighting Compliance Form

Systems

1. CCTV Security Camera System raceways only (equipment excluded)

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2. Telecommunications

Exclusions:

1. Medium Voltage design (gear and cabling)
2. Structural design
3. Emergency generator system
4. Fire alarm system design
5. Intercom/Paging system design
6. Telephone and computer active electronic equipment (servers, routers, switches, WAPs, etc.)
7. Seismic design of non-structural components including electrical equipment and bracing
8. Design meeting or Construction visits beyond those included above
9. Phased design or separate bid packages beyond those included above
10. Battery energy Storage System (BESS)
11. Lightning protection system design
12. Photovoltaic power system design
13. Designing multiple options for distribution

Expenses, which are expenditures by the engineer in the interest of the project, include but are not limited to: expense of transportation, subsistence and lodging when traveling in connection with the project and will be compensated by client.

Reimbursable expenses for the reproduction of drawings; postage and handling of drawings, specifications, reports or other project-related instruments of service of the engineer; expense of computer modeling for energy, sound, and lighting analyses where other than standard programs owned by the engineer are utilized.

Reimbursables X Multiplier of 1.0			
Type	Per	Per Receipts	Lump Sum
Mileage	Visit	\$0.575/mile	Current IRS Rates
Travel	Visit	Actual Costs	
Lodging	Night	Actual Costs	
Car Rental	Diem	Actual Costs	
Printing	Issue	Actual Costs	
Mileage is not charged for projects in locations that are less than 50 miles from the office where the employee works.			

General Conditions:

- This Agreement shall be interpreted as if equally drafted by the Client and Spectrum and shall be enforced according to the laws of the State of Utah. Neither the Client nor Spectrum shall assign its interest in this Agreement without the written consent of the other. This Agreement shall be binding upon and insure to the benefit of the successors, assigns of any other transferees of the Client and Spectrum. No rights or benefits are intended or conferred to third parties by this Agreement.
- Any delay or default in the performance of any obligation of Spectrum under this Agreement from any cause beyond Spectrum's reasonable control shall not be deemed a breach of this Agreement. The occurrence of any such event shall suspend the obligation of Spectrum as long as performance is delayed or prevented thereby.
- In the event that payment in full is not made to Spectrum as provided herein, Spectrum shall be entitled to its collection costs, including but not limited to attorney fees, lien fees, and costs of court.

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- In the event any term, condition or other provision of this Agreement shall be held to be invalid or unenforceable, the remaining provisions shall remain valid and binding upon the parties. One or more waiver of any term, condition or other provision of this Agreement by either party shall not be construed as a waiver of a subsequent breach of the same or any other provision.
- This Agreement shall be construed and interpreted as if drafted equally by Spectrum and Client. Nothing in this Agreement, any modification to this Agreement, or in any instrument of Spectrum's services shall create a contractual relationship with or a cause of action in favor of any third party against Spectrum or Client
- This Agreement may be amended only by written instrument expressly referring hereto and duly signed by the parties. The Agreement constitutes the entire and integrated Agreement between the parties hereto and supersedes all prior negotiations, representations, and/or agreements, written or oral.

Special Terms and Conditions:

- Spectrum shall perform its services under this Agreement consistent with the professional skill and care ordinarily provided by licensed professionals practicing in the same or similar locality under the same or similar circumstances. Spectrum makes no other warranty with regard to its services. Client shall provide prompt written notice to Spectrum if Client becomes aware of any error, omission, or defect in Spectrum's services.
- Estimates of construction cost provided by Spectrum represent professional opinion and are subject to change and contingent upon factors over which Spectrum has no control. Spectrum does not guarantee the accuracy of such estimates.
- Except as may be expressly provided otherwise by this Agreement, the client recognizes that Spectrum's compensation for any services rendered during construction contemplates one construction contract being let and construction completion within the time period set forth herein. Should for the date for completion of construction be exceeded through no fault of Spectrum by more than sixty (60) days, or more than one construction contract be let, Spectrum's compensation shall be increased for services rendered in relation to such additional contracts or beyond said time period. Spectrum is not responsible for the means, methods or sequences of construction nor for the safety of workers or others at the construction site. Site observation visits are not inspections, are not exhaustive or continuous, and consist of periodic visits to the project site intended only to determine whether construction is in general conformance with construction contract documents. Spectrum is not responsible for the performance or non-performance of the Client or its subcontractors.
- Spectrum shall not be required to execute any documents subsequent to the signing of this Agreement that in any way might, in the sole judgement of Spectrum, increase Spectrum's risk or the availability or cost of its professional or general liability insurance.
- In providing services under this Agreement, Spectrum will endeavor to perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar conditions. Upon notice to Spectrum and by mutual agreement between parties, Spectrum will without additional compensation, correct those services not meeting such a standard.
- Client limits the liability of Spectrum, its subconsultants/subcontractors, and their respective agents and employees ("Spectrum, et al.") actually or allegedly caused in whole or in part by Spectrum, et al.'s breach of contract, negligence and/or breach of standard of care, professional or otherwise, such that the total aggregate liability of Spectrum, et al. does not exceed Spectrum's compensation or \$100,000, whichever is lesser. Client shall hold harmless and indemnify Spectrum, et al., from and against any such liability in excess of the limit state herein. For purposes of computing said liability, said liability shall include Spectrum, et al.'s defense costs and attorney's fees.
- As an express condition precedent to litigation of any claim, dispute, or other controversy by Client against Spectrum arising out of or in any way relating to this Agreement, Client shall obtain a sworn affidavit containing the written opinion of an independent and reputable design professional, holding the same license as Spectrum and practicing in Utah in the same design discipline as Spectrum, that Spectrum failed to meet the standard of care applicable to Spectrum's performance.

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- Any applicable statute of limitations or period of repose will commence to run and any cause of action shall be deemed to have accrued upon the earliest of: (a) the date on which Spectrum completes its performance under this Agreement; (b) the date of substantial completion of the Project; or (c) as otherwise provided by law in the absence of the foregoing alternatives. Thereafter, Client shall have two (2) years to bring a claim against Spectrum, or else Client waives such claim.
- Client agrees, to the fullest extent permitted by law, to indemnify, defend, and hold harmless Spectrum and Spectrum's agents, employees, officers, directors, shareholders, insurers, and consultants from and against any and all claims, losses, costs, and damages of any nature whatsoever, including reasonable attorneys' fees, of third parties arising from or relating to the project or the services the Spectrum performs under this Agreement, except if such claims, losses, costs, and damages are adjudged to arise from the negligence or willful misconduct of Spectrum.
- Notwithstanding any other provision of this Agreement, Spectrum will not be liable to Client for any special, consequential, incidental, or penal losses or damages whatsoever, including but not limited to losses, damages or claims related to the unavailability of property or facilities, shutdowns or service interruptions, loss of use, profits, revenue, or inventory, or for use charges, cost of capital, or claims of Client or its customers, whether or not Spectrum has been advised of the possibility for such damages.
- All drawings, specifications, tracings, notes, data and other documents Spectrum prepares are instruments of its professional service, for which Spectrum shall retain the copyright. Such instruments are prepared and intended only for use as an integrated set on the Project and for the limited purposes specified. Modification without Spectrum's prior express written consent shall be at the Client's sole risk. The Client shall hold harmless, indemnify and defend Spectrum from and against any and all claims and/or liability arising out of any such non-permissive modification or use without Spectrum's involvement.
- Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the Client nor Spectrum, their respective officers, directors, partners, employees, contractors or subconsultants shall be liable to the other or shall make any claim for any incidental, indirect or consequential damages arising out of or connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of profit, loss of business, loss of income, loss of reputation or any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract and breach of strict or implied warranty. Both the Client and Spectrum shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this Project.
- Spectrum shall present an invoice covering current services performed each month. Payment is due upon receipt of statement. Interest shall accrue on past due accounts at the rate of 1.5% per month. Spectrum may, at its sole discretion and without notice, suspend or terminate its services under this Agreement should the Client not pay any amount invoiced within forty-five (45) days of invoice.
- This Agreement may be terminated by either party upon seven (7) days written notice should the other party fail substantially to perform in accordance with the Agreement through no fault of the party initiating the termination. This Agreement may be terminated by the Client upon at least seven days written notice to Spectrum, in the event that the project is permanently abandoned. If this Agreement is terminated through no fault of Spectrum, Client shall pay Spectrum for services performed and reimbursable expenses incurred in accordance with the Agreement together with a Termination Adjustment equaling 15% of the estimated fee remaining to be earned at the time of termination, to account for Spectrum's rescheduling adjustments, reassignment of personnel and related costs incurred due to termination.
- Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or Spectrum. Spectrum's services under this Agreement are being performed solely for the Client's benefit, and no other party or entity shall have any claim against Spectrum because of this Agreement or the performance or nonperformance of services hereunder. The Client and Spectrum agree to require a similar provision in all contracts with contractors, subcontractors, subconsultants, vendors and other entities involved in this Project to carry out the intent of this provision.

General Notes:

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1. Any additional engineering work not included above will be billed as additional fees at the hourly rates listed below, unless other fee arrangements are made. Spectrum will not proceed with additional work without the approval of the Client.
2. Professional Engineer's liability is limited to code-related errors. Spectrum is not installing the mechanical, electrical or plumbing equipment and therefore assumes no liability resulting from improper operation of equipment. Spectrum assumes that complete information for project will be provided and assumes no liability for omissions resulting from insufficient information provided to Spectrum
3. Spectrum is entitled to rely on the accuracy and completeness of directions, services, and information the Client furnishes to Spectrum.
4. The Client acknowledges that accelerated, phased or fast-track scheduling carries with it associated risks. Such risks include the Client incurring costs for Spectrum to coordinate and redesign portions of the Project affected by procuring or installing elements of the Project prior to the completion of all relevant construction documents, and costs for the removal and replacement of previously installed work. If Client undertakes accelerated, phased or fast-track scheduling, Client agrees to include in the budget for the Project sufficient contingencies to cover such costs.
5. This Agreement applies to all services Spectrum performs for the Client for the Project, including any services Spectrum performs prior to the date of this Agreement.
6. Spectrum will review and approve, or take other appropriate action upon, the contractor's submittals such as Shop Drawings, Product Data and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. Spectrum's action will be taken in accordance with the submittal schedule approved by Spectrum or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time in Spectrum's professional judgement to permit adequate review. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the contractor as required by the Contract Documents. Spectrum's review of the contractor's submittals shall not relieve the contractor of its contractual obligations. Spectrum's review shall not constitute approval of safety precautions or, unless otherwise specifically stated by Spectrum, of any construction means, methods, techniques, sequences or procedures. Spectrum's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

Authorization to Proceed:

This proposal remains open for a period of 60 days from the date of the proposal.

Client has read and understood the terms and conditions set forth in this Agreement and agrees that such items are hereby incorporated into and made a part of this Agreement.

Having read, understood and agreed to the foregoing, the Client, by and through its authorized representative, has accepted the terms of this Agreement effective this ____ day of _____, 2020.

By signing below, I hereby accept this proposal from SPECTRUM ENGINEERS, INC. as the basis for preparing a consulting contract as indicated above. If this proposal is not signed and SPECTRUM ENGINEERS, INC. is instructed to proceed with the work, this proposal will form the basis of the agreement between us. If a separate agreement is later signed for this project, then this proposal letter with associated terms and conditions will automatically be incorporated into the newly signed agreement. Where terms and conditions may conflict, the terms and conditions of this Agreement shall prevail.

Client Signature _____



Name & Title _____

Sincerely,

A handwritten signature in black ink that reads "Lance Kobayashi". The signature is fluid and cursive, with the first name "Lance" being larger and more prominent than the last name "Kobayashi".

Lance Kobayashi, Project Manager

Salt Lake City Phoenix Baltimore

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PROPOSAL FOR STRUCTURAL ENGINEERING SERVICES

Date: April 5, 2021
To: Merlin Maley, AIA
Stantec
999 18th Street, Ste 202
Denver, CO 80202

Re: Bus Canopy Design – Structural Fee Proposal

Dear Merlin,

It is our pleasure to provide a fee proposal for structural design services for the bus canopies that will support the UTA Maintenance Facility in Salt Lake City, Utah. Mike Buehner will serve as the principal in charge for the project and Cameron Empey will serve as the Project Manager. Other staff will be assigned to the project according to need.

We understand the scope of work to be the design of four canopy structures to provide shelter for approximately 130 busses. Canopies will include provisions for hanging pentagraph charging systems for electrical busses in locations required. All canopies will be designed to support photovoltaic panels. We propose to provide structural engineering services according to the AIA C401 and/or CASE agreement and as outlined below. Our understanding of the scope of work is as follows:

Project deliverables:

- Engineering calculations and engineers stamp for building official's review and building permit
- Contract documents for structural elements according to the CASE guidelines with engineers stamp as required for building official's review and building permit
- Review and redline-edit architect provided specifications
- Provide clarifications and addenda as required during bidding process
- Review contractor prepared shop drawings of building elements designed or specified by Reaveley Engineers
- Construction phase administration services including support for contractor requests for information
- Site observations at critical construction stages to verify general compliance with construction documents



We propose to provide the design engineering services listed according to the following breakdown:

- Typical Canopy Design for one bay: \$10,798.00
- Repeat Canopy Design for one bay: \$5,399.00 each (x2)
- Canopy Design for partial bay: \$6,749.00
- Bridge from Building to Canopies: \$5,000.00
- Bridge between Canopies: \$3,000.00 each (x2)
- Electrical Vaults: \$3,000.00
- Construction Administration: \$14,115.00

Totals:

Design:	\$42,345.00
Construction Administration:	<u>\$14,115.00</u>
Total Fee:	\$56,460.00

We are grateful for the opportunity to work with you on this project. Our staff is available to begin work on this project immediately. Please let us know of any questions or concerns regarding this proposal.

Sincerely,



Michael Buehner SE
Principal



Maintenance Building Site BEB Infrastructure (March 2021 thru June 2021)

Jacobs

Modification: Add Task 6 BEB Infrastructure Scope:

Design Updates / Construction Documents:

- Design Coordination Meetings
- Coordination with consultant team:
 - Conduit placement
 - Canopy layout
 - Canopy footing locations
 - Electrical equipment layout
- Maintenance Site grading and drainage changes to incorporate coordinated items above, as needed:
 - Site Utility Plans
 - Site Grading Plans
 - Site Drainage Plans
- Internal QA/QC

Assumptions/limitations:

- Assume 100% bid documents completed by June 30, 2021
- No new plan sheets or sets will be developed.
- Bus Canopy footprints will remain unchanged
- Information required from consultant team partners will be provided in time to meet assumed completion date

The following tasks are not included:

- Cost Estimating
- Updates to Erosion Control Plans, NPDES permitting or SWPP Plan/Report