

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



CHANGE ORDER

No. 4

TITLE: Various Scope Modifications for PCO-015, -016 and -017  
 PROJECT/CODE: MSP253 - Mid-Valley Connector  
 TO: Jacobs Engineering, Inc.  
 ATTN: Jeanne Work

DATE: 3/16/2023  
 This is a change order to  
 CONTRACT No: 21-03502BM

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

PCO-015 - Additional Effort to Achieve Substantial Completion 100% Design \$270,819. PCO-016 - Supplemental Scope Items Post 100% Design \$317,675. PCO-017 - Final Advertisement Plans Set \$283,332. PCO-015 is for design work previously completed on the project. PCO-016 and PCO-017 are for additional in-scope (additive) modifications that have not yet commenced. The schedule impact associated with this requested change order was previously addressed in Jacobs CO #1. The PCOs comprising this group change order were approved by the CCC committee on 3/16/2023. Total change order amount = \$871,826.

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:	\$270,819	Original Contract Sum:	\$1,759,533	Final Completion Date Prior to This Change:	12/31/2026
Unit Cost:	-	Net Change by Previously Authorized Changes:	\$1,240,494	<b>Contract Time Change This Change Order (Calendar Days):</b>	<b>0</b>
Cost Plus:	-	<b>Previous Project Total:</b>	<b>\$3,000,027</b>	Final Completion Date as of This Change Order:	12/31/2026
T&M NTE:	\$601,007	Net Change This Change Order:	\$871,826		
<b>Total:</b>	<b>\$871,826</b>	<b>Current Project Total:</b>	<b>\$3,871,853</b>		

ACCEPTED: DocuSigned by:  
 By: Jeanne Work  
BCBB41DEC28C4E8  
 Date: 3/16/2023

**Jeanne Work**  
 Jacobs Engineering, Inc.

By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
**Andrea Pullos**  
 Project Manager <\$25,000

By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
**David Hancock**  
 Dir. of Capital Development <\$75,000

By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
**Mary DeLoretto**  
 Chief Service Dev Officer <\$200,000

By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
**Vicki Woodward**  
 Procurement

DocuSigned by:  
 By: Michael Bell  
70F3524738705E9F6  
 Date: 3/16/2023  
**Mike Bell**  
 Attorney General >\$10,000

By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
**Jay Fox**  
 Executive Director >\$200,000



**Change Order Summary Worksheet**  
Previously Authorized Changes

**Contract**      **21-03502BM JAC**

Change Order No	Date	Amount of CO	Running Contract Total	Subject
Original Contract			\$1,759,533	
1	1/5/2023	\$0	\$1,759,533	Contract Time Extension
2	2/13/2023	\$174,666	\$1,934,199	Various Scope Modifications for PCO-003, -004, -006, -007
3	3/22/2023	\$1,065,828	\$3,000,027	Various Scope Modifications for PCO-002, -005, -009, -010,
<b>Total to Date</b>		<b>\$ 1,240,494</b>		



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March 9, 2023

Attn: Andrea Pullos, PE  
Project Manager  
Capital Construction  
Utah Transit Authority  
Salt Lake City, Utah 84101

Project Name: Midvalley Bus Rapid Transit Design  
Project No: Contract #21-03502BM

**Subject: Change Order #15: Additional effort to substantially complete 100%**

Dear Andrea,

Jacobs is requesting a contract modification for additional services to provide additional UTA directed design updates to the 100% plans, specifications, and estimate. The following tasks were requested by UTA or stakeholders and subsequently performed by the Midvalley BRT Design Team:

- Additional Project Management and change order support
- Safety and Security meetings and checklist reviews
- Subsequent comment resolution and revisions to Avenue review comments
- Supplemental responses to missing 90% comments from Murray City
- Supplemental 100% revisions and comment resolution requested by UTA and stakeholders
- Supplemental Right-of-Way (ROW) coordination and updates to ROW exhibits
- Miscellaneous design support and coordination for 100%

The total estimate cost for the above changes is estimated at \$270,818.52.

The following page includes a detailed scope for the items listed above.

Please let me know if you have any questions and I appreciate your consideration of this request.

Thank you,

A handwritten signature in blue ink that reads "Nicholas Young".

Nicholas Young, PE  
Project Manager

720-286-6262  
Nicholas.Young@Jacobs.com

Date: 9 March 2023

**Subject:** Change Order #15: Additional effort to substantially complete 100%



### **Detailed Scope of Work**

#### ***Additional Project Management***

- Project Management and Coordination
- Invoice, Schedule, and Budget
- Internal/External Project Meetings
  - Weekly UTA Meetings (4 mtgs at 1 hr) – 1 person
  - Weekly Internal Meetings (4 mtgs at 1 hr) – 12 people
  - Weekly Design Mtgs w/UTA (4 mtgs at 1.5 hrs) – 2 people
- Change Order documentation and support efforts

#### ***Safety and Security Working Group***

- Involved participation in 10 Project Meetings
- Development and review of Safety Checklist

#### ***Supplemental comment resolution and revisions to Avenue's Review***

- Comment resolution and incorporation of accepted Plan and Specification comments

#### ***Supplemental responses to missing 90% comments from Murray City***

- Comment resolution and incorporation of accepted Plan and Specification comments

#### ***Supplemental 100% plan and spec updates***

- Prepare comment resolution and miscellaneous plan and specification updates
  - All disciplines
- Prepare revised post-100% package of plan and specifications
- Update construction cost estimate

#### ***Misc. Design Support and Coordination***

- ATMS coordination with UDOT (site visit with travel)
- Supplemental CBC Design coordination with UDOT for approvals
- Senior level oversight review of the design

#### ***Utility Coordination***

- Supplemental utility coordination with UTA

#### ***Right-of-Way Support during ROW acquisition***

- Attend ROW meetings as required
- Answer miscellaneous questions from appraisers and/or UTA
- Provide updates to ROW exhibits as requested by UTA





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March 9, 2023

Attn: Andrea Pullos, PE  
Project Manager  
Capital Construction  
Utah Transit Authority  
Salt Lake City, Utah 84101

Project Name: Midvalley Bus Rapid Transit Design  
Project No: Contract #21-03502BM

**Subject: Change Order #16: Supplemental Scope items post 100%**

Dear Andrea,

Jacobs is requesting a contact modification for additional services to provide additional UTA directed design updates to the 100% plans, specifications, and estimate. The following tasks were requested by UTA or stakeholders and is planned to be performed by the Midvalley BRT Design Team:

- Additional Project Management in support of the work elements
- Post 100% plan and spec updates (all disciplines)
- North Jordan Canal CBC revisions (per UDOT request)
- Right-of-Way support during acquisition process (answering questions, providing figure updates)
- Misc. Transit Station updates (stone veneer, architectural glass, matrix, etc.)
- Design of 2700 W wall in West Valley City along east Right-of-Way (survey required)
- Environmental clearance documentation for 2700 W wall

The total estimate cost for the above changes is estimated at \$317,674.72.

The following page includes a detailed scope for the items listed above.

Please let me know if you have any questions and I appreciate your consideration of this request.

Thank you,

A handwritten signature in blue ink that reads "Nicholas Young".

Nicholas Young, PE  
Project Manager

720-286-6262  
Nicholas.Young@Jacobs.com

Date: 9 March 2023

Subject: Change Order #16: Supplemental Scope items post 100%



### Detailed Scope of Work

#### ***Project Management***

- Project Management and coordination (one month)
- Invoice, Schedule, and Budget
- Internal/External Project Meetings
  - Weekly UTA Meetings (4 mtgs at 1 hr) – 1 person
  - Weekly Internal Meetings (4 mtgs at 1 hr) – 12 people
  - Weekly Design Mtgs w/UTA (4 mtgs at 1.5 hrs) – 2 people
- Assumptions
  - Meetings up to the hours and individuals provided

#### ***Supplemental post-100% plan and spec updates***

- Prepare misc. plan updates
  - All disciplines
- Prepare misc. specification updates
- Assumptions
  - Revisions made up to the budgeted amount

#### ***WVC Station and Wall design along 2700 W***

- Survey along 2700 W (by ESI)
  - Acquire permission to access neighboring properties
- Utility identification and potholes (by KCI)
- Geotechnical foundations for wall design (by Terracon)
- Develop wall design and associated improvements
  - Updates to construction and removal plans (by Avenue)
  - Wall alignment (by Avenue)
  - Develop foundation design and details for wall
  - Utility design and coordination (by Avenue)
  - ATMS design
  - Lighting Design and Calculations
  - Landscaping Design
  - QC designs
- Update Specifications, M&P, Bid list quantities and cost estimate
- Develop Right-Of-Way (ROW) plans for easements and takes (by Avenue)
  - Develop ROW descriptions (by Avenue)
- Assumptions
  - Wall design is along east side of road impacting 8 properties (from W Cody Brotherson Pkwy to S Westshire Dr.)
  - Station layout remains same as in 100% submittal
  - Right-Of-Way acquisition by West Valley City
  - No ROW exhibits needed

#### ***Redesign of North Jordan Canal CBC Extension***

J

Date: 9 March 2023

Subject: Change Order #16: Supplemental Scope items post 100%



- Coordination with UDOT and UTA canal structure
- CBC Design revisions based on cutting box at nearest point that forms a normal to the opposite side
  - 1 submittal to UDOT (post 100% and before Advertisement)
    - Comment Resolution meeting after 100%
  - 5S approval received
  - Update structural plans and details
- Update Quantities
  - Recalculate quantities for CBC extension
  - Update M&P as required
- Quality Control
- Assumptions:
  - Assumes one review approved by UDOT

***Right-of-Way Support during ROW acquisition***

- Attend ROW meetings as required
- Answer misc. questions from appraisers or UTAs
- Provide updates to ROW exhibits as requested by UTA
- Assumptions
  - Budget up to 48 hours

***Station and Transit Plazas***

- Detail stone veneer for center platform support columns
  - Coordinate details for architectural and structural column
- Coordinate with UTA on specs for architectural glass and pay items
  - Update specifications
  - Update M&P and bid item list
- Develop additional plan sheet for Transit Station Matrix
  - Show each platform grades
  - Grades & Details per UTA example plan
- Supplemental station renderings as requested
- Assumptions:
  - Minimal detailing needed for Stone Veneer details
  - No detail for architectural glass
  - Up to 9 hours budgeted for station renderings

***Environmental Clearance for wall along 2700 W***

- Coordinate with UTA environmental
- Update DOFOE and develop clearance documents for new wall
  - Submit for reviews by UTA and FTA
- Assumptions
  - Site visit not required by Jacobs personnel for assessments
  - One round of reviews and revisions for both UTA and FTA





## **EXECUTIVE SUMMARY**

Avenue respectfully requests a contract change order for the Midvalley Connector Bus Rapid Transit (BRT) project to accommodate work outside of Avenue's original contract scope. Avenue's change order items are as follows:

### **1) 8E – Develop Advertisement Plans for Side Stations**

#### **Task 10b - Design privacy walls along 2700 west behind 4100 NB Side Station**

- a. Develop post and panel concrete wall design that meets West Valley City's specifications will run from the northeast corner of 4100 South and 2700 West to Westshire Drive. This wall will replace existing fences and run with the face of the wall along the existing Right-of-Way line.
- b. Avenue will coordinate with third-party utility companies to finalize design.
- c. TCE descriptions and plan sheets will be completed by Avenue for up to 8 parcels.
  - i. One supplemental summary will be prepared, with eight easements, one each for eight properties.
  - ii. Exhibits will not be prepared by Avenue ROW, the exemption from this requirement will continue from those summaries already prepared.
  - iii. Existing Right of way and research has been done previously, similar to those summaries already prepared.
  - iv. Final project ROW plans will have to be amended.
- d. Coordinate design with West Valley City.
- e. Hold one design review meeting (2 hours) to be held with UTA and West Valley City. Comment resolution to be completed through email acceptance.

#### **Assumptions**

- a. Final design project scope of work to extend through August 1st, 2023.
- b. Final typical section will include 5' patterned concrete park strip and 5' sidewalk in front of the wall. Existing curb and gutter to remain in place. New lighting, landscaping, and irrigation design will be completed by Jacobs.
- c. West Valley City will exercise its franchise agreement with all utility companies along the project area to be relocated to accommodate the final sidewalk, park strip, and wall layout.
- d. All right-of-way to be acquired by WVC.
- e. Survey to be completed by ESI.
- f. Any additional SUE to be completed by KCI.
- g. Structural design/review to be completed by Jacobs.

**Midvalley BRT - MOD 2**

**Avenue Project No.**

21.195

**Contract Mod** 2

PROJECT ACTIVITIES	Blair Tomten	Jeremy Christensen	Amelia Newkirk	David Webb	Brian Shewell	Nick Stephens	Santiago Loaiza	Spencer Taylor	Bailey Nielson	Ramin Hameedi	Conrad Anderson	Isaac Lopez	Jared Howland	Jeff Searle	Mike Herbst	Andrew Gemperline	Total Hours	Cost
	Project Manager	Design Oversight	Roadway Design	Roadway Design	Drainage Lead	Drainage Design	Utility QC	Signals Lead/Utility Design	CADD Design	CADD Design	CADD Support	ROW Engineer	ROW Engineer	ROW Lead	ROW Engineer	Principle		
<b>8E: Develop Advertisement Plans for Side Stations</b>	<b>34</b>	<b>6</b>	<b>44</b>	<b>8</b>	<b>8</b>	<b>12</b>	<b>8</b>	<b>46</b>	<b>32</b>	<b>40</b>	<b>24</b>	<b>100</b>	<b>96</b>	<b>80</b>	<b>64</b>	<b>0</b>	<b>602</b>	<b>\$ 82,155.13</b>
Task 10b: Privacy Wall Design on 2700 West	34	6	44	8	8	12	8	46	32	40	24	100	96	80	64	0	602	\$ 82,155.13
Roadway, Drainage, Utility, Design	4		32		1	4		8										\$ 6,082.49
Sheet creation and QC	2		4	8	2	4	8	2	16	20	12							\$ 9,185.64
Quantities and Summaries	4	2	4		1	4		2	16	20	12							\$ 7,192.36
Coordination with Jacobs, West Valley City, UTA, Third Party	16	4	2		2			32										\$ 8,966.33
Design Review Meeting	8		2		2			2										\$ 2,396.80
Right-of-Way for 8 parcels												100	96	80	64			\$ 48,331.50
Summary of Hours	34	6	44	8	8	12	8	46	32	40	24	100	96	80	64	0	602	\$ 82,155.13
Summary of Raw Labor Expense	6,428.12	1,681.26	4,961.22	1,038.73	1,585.51	1,410.72	1,694.91	6,035.50	2,843.04	3,881.32	2,263.29	11,480.21	11,154.74	14,761.08	10,935.48	-		
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		

**Direct Expenses**

Description	Rate	Quantity	Cost
Travel (mileage)	\$ 0.625	0	\$ -
Total			\$ -

**Total MOD**

Labor Subtotal	\$	82,155.13
Direct Expenses	\$	-
<b>Total</b>	<b>\$</b>	<b>82,155.13</b>

## Young, Nicholas

---

**From:** Charles Heaton <Charles.Heaton@esieng.com>  
**Sent:** Wednesday, March 8, 2023 11:08 AM  
**To:** Stremel, Doug; Young, Nicholas  
**Cc:** Matt Peterson  
**Subject:** [EXTERNAL] RE: MVBRT - Topo Fee Estimate

Doug,  
Yes we will add it to the existing model for the project.

Thanks,

Charles Heaton, P.L.S.

### ESI Engineering, Inc.

Civil :: Structural :: Land Survey

*We've relocated to a new office:*  
*4141 West 2100 South, Suite 100*  
*West Valley City, Utah 84120*  
Direct: (801)747-5942

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---

**From:** Stremel, Doug  
**Sent:** Wednesday, March 8, 2023 11:04 AM  
**To:** Charles Heaton <Charles.Heaton@esieng.com>; Young, Nicholas <Nicholas.Young@jacobs.com>  
**Cc:** Matt Peterson <matt.peterson@esieng.com>  
**Subject:** RE: MVBRT - Topo Fee Estimate

Charles,

For this Wall area we want to make sure the survey is knit in with the previous survey model (i.e. one model not 2 models). Cool with that covered in your fee?

Doug

---

**From:** Charles Heaton <[Charles.Heaton@esieng.com](mailto:Charles.Heaton@esieng.com)>  
**Sent:** Tuesday, March 7, 2023 10:48 PM  
**To:** Stremel, Doug <[Doug.Stremel@jacobs.com](mailto:Doug.Stremel@jacobs.com)>; Young, Nicholas <[Nicholas.Young@jacobs.com](mailto:Nicholas.Young@jacobs.com)>  
**Cc:** Matt Peterson <[matt.peterson@esieng.com](mailto:matt.peterson@esieng.com)>  
**Subject:** [EXTERNAL] RE: MVBRT - Topo Fee Estimate

Doug and Nick,  
Sorry for not responding to your request sooner, both of your emails went to my spam and I didn't see until this afternoon. I am concerned there is survey field work that might take more time than usual as it appears that we will

need to be surveying in the backyards of these properties and getting access/permission can be time consuming. Please see the attached PDF of a cost estimate to do this survey work, I suspect that it will not take the full 20 hours of field survey crew time but wanted my estimate to be on the safe side if getting access is a problem. Snow cover and weather could also delay how quickly we can have a survey crew start this work, please let me know how soon you need it. Please call me tomorrow if you need to discuss this further.

Thanks,

Charles Heaton, P.L.S.

**ESI Engineering, Inc.**

Civil :: Structural :: Land Survey

*We've relocated to a new office:*  
4141 West 2100 South, Suite 100  
West Valley City, Utah 84120  
Direct: (801)747-5942 Cell: (801)688-7268  
Email: [Charles.heaton@esieng.com](mailto:Charles.heaton@esieng.com)

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---

**From:** Stremel, Doug  
**Sent:** Thursday, March 2, 2023 12:08 PM  
**To:** Young, Nicholas <[Nicholas.Young@jacobs.com](mailto:Nicholas.Young@jacobs.com)>; Charles Heaton <[Charles.Heaton@esieng.com](mailto:Charles.Heaton@esieng.com)>  
**Cc:** Matt Peterson <[matt.peterson@esieng.com](mailto:matt.peterson@esieng.com)>  
**Subject:** RE: MVBRT - Topo Fee Estimate

Charles,

Matt had sent this over previously but we are no longer in need of the location along 4700 S near the new LDS.  
follows:

**SURVEYING AND MAPPING**

**Description of Activities:**

**Assumptions:**

1. ESI will perform topographic survey, map utility data marked by KCI, and determine existing right of way within the following areas:
  - ~~i. At two additional station locations along 4700 South near the new LDS temple.~~
  - ii. At the northeast corner of 4100 South and 2700 West, along 2700 west approximately 300' from intersection.

**Deliverables:**

1. Provide PIN\_extopo.dgn file
2. Provide PIN\_Ex\_points.dgn file
3. Provide PIN.dtm file.
4. Provide all SUE location data to KCI for their use.

expand survey limits per what Nick sent

See attached.

Doug

**Douglas Stremel, PE** | [Jacobs](#) | Sr. Project Manager  
O:+01.720.286.3562 | M:+01.303.746.7771 | [doug.stremel@jacobs.com](mailto:doug.stremel@jacobs.com)  
717 17th Street | Suite 2750 | Denver, CO 80202 | USA

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---

**From:** Young, Nicholas <[Nicholas.Young@jacobs.com](mailto:Nicholas.Young@jacobs.com)>  
**Sent:** Thursday, March 2, 2023 11:26 AM  
**To:** [charles.heaton@esieng.com](mailto:charles.heaton@esieng.com)  
**Cc:** Stremel, Doug <[Doug.Stremel@jacobs.com](mailto:Doug.Stremel@jacobs.com)>; Matt Peterson <[matt.peterson@esieng.com](mailto:matt.peterson@esieng.com)>  
**Subject:** MVBRT - Topo Fee Estimate

Charles,  
With Matt's absence, will you please provide a fee estimate for topographic survey along 2700 W? Please see the attached exhibit and email for reference. We need topo along 2700 W and 10-ft into the properties as there is a proposed wall being constructed at this location. Please let Doug or me know if you have any questions or concerns.

Thanks,  
Nick

**Nicholas Young, PE, PTOE** | [Jacobs](#) | Project Manager  
O: 720.286.6262 | [Nicholas.Young@Jacobs.com](mailto:Nicholas.Young@Jacobs.com)  
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### Mid-Valley BRT - Taylorsville - Additional Survey Costs - Out of Scope

Task Description	Senior Project Manager (PLS)	Project Manager / Principal (PLS)	Staff Land Surveyor (PLS)	Survey Cadd Designer	Survey Party Chief	Survey Tech. I	Survey Tech. II	LABOR HOURS	DIRECT LABOR	
	63.00	58.00	53.00	42.50	33.00	29.00	26.00			
Additional Topo for Wall on 2700 West		6		3	20	20		49	\$1,715.50	
								0	\$0.00	
								0	\$0.00	
								0	\$0.00	
								0	\$0.00	
								0	\$0.00	
								0	\$0.00	
<b>Total Direct Labor</b>	0	6	0	3	20	20	0	49	\$1,715.50	
								<b>Overhead (112.58% of Direct Labor)</b>	\$1,931.31	
								<b>Direct Labor Cost</b>	\$1,715.50	
								<b>Subtotal Labor</b>	\$3,646.81	
								<b>Fixed Fee (11% of Subtotal Labor)</b>	\$401.15	
								<b>TOTAL LABOR</b>	\$4,047.96	
 <p><b>ESI Engineering, Inc.</b>                      4141 S. 2100 W. , Suite 100                      West Valley City, Utah 84120                      (801)263-1752                      www.esiengineeringinc.com</p>						<b>Direct Costs</b>		<b>Quantity</b>	<b>Rate</b>	
						Mileage		30	0.45	\$13.50
						GPS/Survey Equipment		15	45	\$675.00
										\$0.00
						<b>TOTAL DIRECT COSTS</b>				<b>\$688.50</b>
<b>PROJECT TOTAL</b>						<b>\$4,736.46</b>				



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March 10, 2023

Attn: Andrea Pullos, PE  
Project Manager  
Capital Construction  
Utah Transit Authority  
Salt Lake City, Utah 84101

Project Name: Midvalley Bus Rapid Transit Design  
Project No: Contract #21-03502BM

**Subject: Change Order #17: Final Advertisement Set**

Dear Andrea,

Jacobs is requesting a contact modification for additional services to provide final advertisement plans, specifications, and estimate. The following tasks were identified in support of the preparation of final advertisement set to be performed by the Midvalley BRT Design Team:

- Additional Project Management in support of the work elements
- Final Advertisement plans and specifications including support and one revision during advertisement (all disciplines)
- Right-of-Way support during acquisition process (answering questions, providing figure updates)
- Additional coordination and logistics determination for owner furnished items

The total estimate cost for the above changes is estimated at \$283,332.27.

The following page includes a detailed scope for the items listed above.

Please let me know if you have any questions and I appreciate your consideration of this request.

Thank you,

A handwritten signature in blue ink that reads "Nicholas Young".

Nicholas Young, PE  
Project Manager

720-286-6262  
Nicholas.Young@Jacobs.com

Date: 10 March 2023

Subject: Change Order #17: Final Advertisement Set



### Detailed Scope of Work

#### ***Project Management***

- Project Management and coordination (May 2023 through September 2023)
- Invoice, Schedule, and Budget
- Internal/External Project Meetings
  - Periodic UTA Meetings (10 mtgs at 1 hr) – 2 people
  - Periodic Internal Meetings (5 mtgs at 1 hr) – 12 people
  - Periodic Design Mtgs w/UTA (10 mtgs at 1.5 hrs) – 2 people
- Assumptions
  - Assumes Advertisement date in early to mid-August
  - Meetings up to the hours and individuals provided

#### ***Final Advertisement plan and specifications***

- Finalize plan sheets for advertisement
  - All disciplines
- Finalize specifications for advertisement
- Review Safety & Security checklist
- Support UTA in answering questions during advertisement
- Prepare addendum to advertisement
- Assumptions
  - One addendum to plans and specifications

#### ***Right-of-Way Support during ROW acquisition***

- Answer miscellaneous questions from appraisers and/or UTA
- Provide updates to ROW exhibits as requested by UTA
- Assumptions
  - Budget up to 48 hours

#### ***Station and Transit Owner Furnished Items***

- Develop additional details and logistics for Owner Furnished Contractor Installed Items
  - Manufactures and part item numbers
  - Timeframe and commitments to contractor
  - Plans from UTA (organized by Design Team)
  - Contact persons or departments
  - Order sheet for all UTA items
- Develop additional details and logistics for Owner Furnished Owner Installed Items
  - Manufactures and part item numbers
  - Timeframe and commitments to contractor
  - Plans from UTA (organized by Design Team)
  - Contact persons or departments
  - Order sheet for all UTA items
- Other Assumptions: DSDC support not in this contract





## ***EXECUTIVE SUMMARY***

Avenue respectfully requests a contract change order for the Midvalley Connector Bus Rapid Transit (BRT) project to accommodate work outside of Avenue's original contract scope. Avenue's change order items are as follows:

### **1) Project Management:**

To support the evolving design phases of the BRT, the following items require additional project management activities:

- a. Project Management to extend through September 20<sup>th</sup>, 2023. Additional time included to respond to any questions during advertising.
- b. Hold Internal Team meetings for final coordination and project updates. Meetings will be 1hr long and will occur twice.
- c. Attend Consultant Design Team meetings to coordinate remaining items.
- d. Attend eight (8) – 1hr UTA weekly meetings (March 1<sup>st</sup> through August 1<sup>st</sup>)
- e. Attend eight (8) – 1hr UTA Design Team meetings (March 1<sup>st</sup> through August 1<sup>st</sup>)
- f. Refine specifications package to incorporate UDOT and APWA specials as needed.
- g. Provide support for remaining parcels currently in ROW acquisition process.

### **Assumptions**

- a. Project scheduled to advertise on August 3rd, 2023.
- b. Any additional work required after bid opening, will not be included in this change order.

**Midvalley BRT - MOD 3**

**Avenue Project No.** 21.195

**Contract Mod** 3

PROJECT ACTIVITIES	Project Manager	Design Oversight	Roadway Design	Roadway Design	Drainage Lead	Drainage Design	Utility QC	Signals Lead/Utility Design	CADD Design	CADD Design	CADD Support	Admin	Principal	Total Hours	Cost
	Blair Tomten	Jeremy Christensen	Amelia Newkirk	David Webb	Brian Shewell	Nick Stephens	Santiago Loaiza	Spencer Taylor	Bailey Nielson	Ramin Hameedi	Conrad Anderson	Celeste Madsen	Andrew Gempertine		
<b>1: Project Management</b>	<b>74</b>	<b>24</b>	<b>10</b>	<b>2</b>	<b>14</b>	<b>2</b>	<b>2</b>	<b>14</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>20</b>	<b>174</b>	<b>\$ 35,249.07</b>
Task 1: Project Management	74	24	10	2	14	2	2	14	2	2	2	6	20	174	\$ 35,249.07
Internal Team Meetings (2, 1-hr meetings)	4	4	2	2	2	2	2	2	2	2	2			26	\$ 4,240.28
Attend Team (Avenue/Jacobs) Meetings (4, 2-hr meetings)	8	4	8		8			8						36	\$ 6,170.54
Attend UTA Design Meeting (8, 1-hr meetings)	8	2			2			2						14	\$ 2,731.71
Specifications (Meetings & Coordination)	8	8												16	\$ 3,754.18
Coordination with Jacobs, UTA, Cities, and Subs	24	4			2			2					20	52	\$ 13,140.43
ROW Coordination	8													8	\$ 1,512.50
Review/Process Consultant Invoices	6											6		12	\$ 1,626.50
Contract Modifications	8	2												10	\$ 2,072.92
Summary of Hours	74	24	10	2	14	2	2	14	2	2	2	6	20	174	<b>\$ 35,249.07</b>
Summary of Raw Labor Expense	\$ 13,990.61	\$ 6,725.05	\$ 1,127.55	\$ 259.68	\$ 2,774.64	\$ 235.12	\$ 423.73	\$ 1,836.89	\$ 177.69	\$ 194.07	\$ 188.61	\$ 492.13	\$ 6,823.30		

**Direct Expenses**

Description	Rate	Quantity	Cost
Travel (mileage)	\$ 0.625	0	\$ -
Total			\$ -

**Total MOD**

Labor Subtotal \$ 35,249.07  
 Direct Expenses \$ -

**Total \$ 35,249.07**