

Weber County – 12th Street Corridor, Segment 4

Owner : Weber County		Change Order #	4		
Engineer: Stanley Consultants					
Contractor: Staker Parson		Date:	12/26/2024		
Description: Change Precast Box Culvert to Cast In Place Box Culvert					
Item No.	Description	Unit	Quantity	Unit Price	Amount Increase/Decrease
82	Cast In Place Box Culvert Cost Difference	Lump	1	\$ 24,930.00	\$ 24,930.00
Total Net Changes for this change order					\$ 24,930.00
Original Contract Amount					\$14,663,836.25
Change Order 1 - Rock vs Sand					\$184,665.60
Change Order 2 - Additional Gravel for Drainage Pipe Foundation					\$29,120.00
Change Order 3 - Cathodic Protection					\$45,725.00
Change Amount of this Change Order					\$24,930.00
Total Adjusted Contract Amount					\$14,948,276.85

Contractor: Jeff Davis Digitally signed by Jeff Davis
DN: cn=US, email=jeff.davis@stakerparson.com, o=Staker
Parson Companies, cn=Jeff Davis
Date: 2025.01.02 09:43:04-0700

Date: 1/2/2025

Engineer: Brandon Fenton

Date: 1/2/2025

Owner: Frank Wapf

Date: 1/2/2025

Commision: _____

Date: _____



Weber County – 12th Street Corridor, Segment 4 Change Order 4

Currently, one of the only two precast concrete plants in the state capable of fabricating box culvert segments is shut down. This unforeseen shut down has caused significant delays for all precast concrete items throughout the state. Upon a thorough analysis of the impacts of this delay on the procurement and delivery of the precast box culvert segments, it became apparent that the project timeline would be severely compromised. The completion date of the irrigation culvert would be pushed well beyond the current irrigation off season, ultimately causing further delays and extending the project's completion into 2026. After extensive deliberations and consultations with the project team and the Warren Irrigation Company, a proactive decision was reached. To mitigate the adverse effects of the precast concrete plant shutdown and ensure the timely completion of the irrigation box culvert work during this critical off season, it was unanimously agreed upon to transition to a cast-in-place box culvert. This approach would not only maintain the project's schedule but also eliminate any potential delays that could have jeopardized the overall project timeline. Weber County has provided the design for the cast-in-place box culvert, which is detailed in Exhibit A. This change order is to cover the differences in costs between the originally planned precast box culvert and the delay mitigating cast in place box culvert solution.

The following items are being added to the contract.

Add Item: 82 Cast In Place Box Culvert Cost Difference

(82 – Cast In Place Box Culvert Cost Difference) To avoid major project delays it was agreed upon by the project team to change the precast box culvert on the irrigation canal to a cast in place box culvert. This pay item is to cover the difference in labor, materials and equipment necessary to install the cast in place box culvert in place of the precast box culvert. The contractor has submitted a lump sum price of \$24,930.00 to install the cast in place box instead of the precast box. The contractor's cost is shown in Exhibit B. An independent costs analysis was conducted by the engineer to verify the contractor's pricing. The engineer's costs analysis was conducted by comparing the full box culvert costs to costs from another current project on the same irrigation canal just a mile away. The engineer's cost estimate analysis showed the submitted costs to extend this irrigation culvert using cast in place are less than the cost on the nearby cast in place culvert. The submitted costs come to a total of \$2,715.00 per foot while the UDOT project's costs are \$3,556.34 per foot. The engineer's cost analysis is shown in Exhibit C.

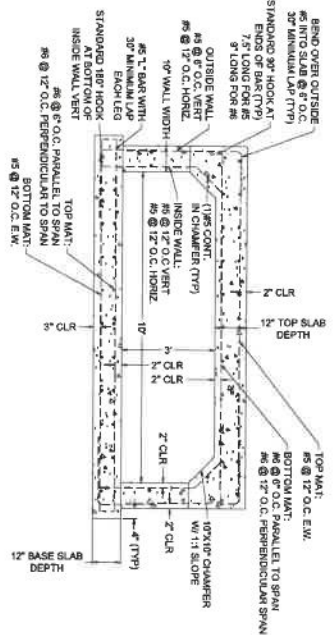
Staker Parson submitted a cost for each item as follows:

Item No.	Description	Unit	Quantity	Unit Price	Amount Increase/Decrease
82	Cast In Place Box Culvert Cost Difference	Lump	1	\$ 24,930.00	\$ 24,930.00

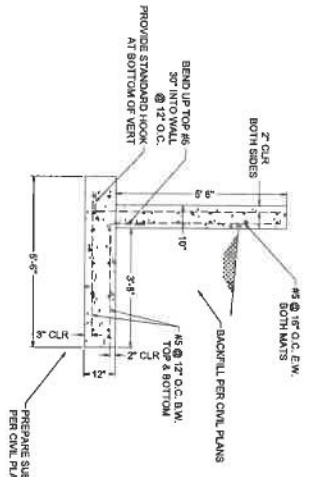
Based on the information and pricing submitted from Staker Parson, it was determined that the unit prices are in line with similar structural projects, this change order is thereby recommended for acceptance.

Contract Time

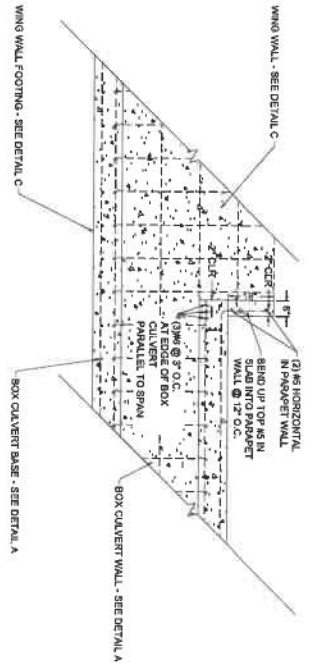
This work does not affect the Contractor's critical path, so no additional time will be added for this change order.



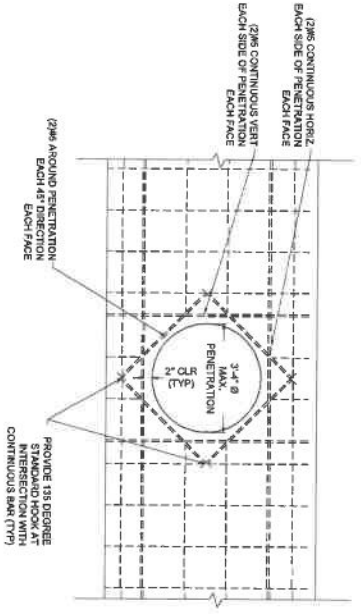
A DETAIL - BOX CULVERT
NOT TO SCALE



C DETAIL - WING WALL
NOT TO SCALE



B DETAIL - PARAPET WALL
NOT TO SCALE



D DETAIL - WING WALL PENETRATION
NOT TO SCALE

- GENERAL NOTES:**
1. USE COATED DEFORMED CARBON STEEL BARS CONFORMING TO AASHTO M111 OR ASTM A775 AND AASHTO M31 GRADE 60 RESPECTIVELY.
 2. CHAMFER ALL EXPOSED CONCRETE CORNERS 3/4 INCH EXCEPT WHERE NOTED OTHERWISE.
 3. PROVIDE 2 INCH MINIMUM CONCRETE COVER TO REINFORCING STEEL, EXCEPT WHERE NOTED OTHERWISE.
 4. VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION. PROTECT EXISTING UTILITIES IN PLACE UNLESS NOTED OTHERWISE.
 5. COAT OR GALVANIZE ALL MISCELLANEOUS STRUCTURAL STEEL PLACED IN STRUCTURAL CONCRETE, EXCEPT WHERE NOTED OTHERWISE.
 6. DO NOT SCALE DRAWINGS. HORIZONTAL DIMENSIONS ARE PLAN, VERTICAL DIMENSIONS ARE PLUMB.
 7. BRIDGE ANALYZED WITH HL-93 LOADING IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION 2020.
 8. SUB-GRADE SHALL BE PREPARED AS SHOWN IN CIVIL PLANS.
 9. BACKFILL SHALL BE PROVIDED AS SHOWN IN CIVIL PLANS.
 10. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING CONCRETE SPANS DURING CONSTRUCTION.
 11. CONNECT TO EXISTING BOX WITH #5 DOWEL @ 12" O.C., DRILL AND EPOXY WITH MIN. EMBED OF 4" AROUND ENTIRE BOX CULVERT PERIMETER INTO CENTER OF EXISTING CONCRETE.

WEBER COUNTY 12TH STREET PHASE 4 BOX
CULVERT DESIGN
 7500 WEST 900 SOUTH
 HARRISVILLE, UTAH



DESIGNED BY: T. HILL
 CHECKED BY: J. SAGERS
 SHEET TITLE:

STRUCTURAL
DETAILS
SD-1

WHITE PINE ENGINEERING
 CIVIL STRUCTURAL

www.whitepineeng.com

435-515-0125
 jackson@whitepineeng.com
 tom@whitepineeng.com
 H.P.O. BOX 669
 HENRIEVILLE, UTAH 84318

DESIGN CRITERIA:

SOIL LOADS AND VALUES ASSUMED:
 SOIL BEARING PRESSURE: 1500 PSF
 PASSIVE PRESSURE: 35 PCF
 ACTIVE PRESSURE: 60 PCF
 SEE NOTES FOR SOIL ASSUMPTIONS AS FOUND IN THE CONCRETE FOOTINGS & FOUNDATIONS SECTION. IF THERE ARE ANY "ENGINEER ASSUMES STABLE SOIL CONDITIONS, IF THERE ARE ANY GLOBAL STABILITY CONCERNS, A GEOTECHNICAL REPORT IS REQUIRED.

GENERAL CONSTRUCTION:

- NOTES:
- ALL CONSTRUCTION WORK SHALL FOLLOW THE STANDARDS FOUND IN THE UTAH CONSTRUCTION CODE (PER 2021) PER A STANDARD DRAWINGS AND SPECIFICATIONS, AND THE STANDARDS OF THE GOVERNING MUNICIPALITY.
 - ALL CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS OF ASHOTO LRD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION AND THE STANDARDS AND SPECIFICATIONS OF WEIR COUNTY.
 - SEE CIVIL PLANS BY WASTOCH CIVIL AND GEOTECHNICAL REPORT BY THE CONTRACTOR OF THE PROJECT SHALL BEAD AND COMPLY WITH ALL OF THE FOLLOWING NOTES AND SPECIFICATIONS COMBINED TO UNDERSTAND THE MEANING AND INTENT OF THESE PLANS AND TO REQUEST FURTHER INFORMATION FROM ENGINEER AS NEEDED.
 - THE ENGINEERED DRAWINGS PROVIDED HEREIN WERE COMPLETED USING THE PROFESSIONAL STANDARD OF CARE REQUIRED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF THE PROPOSED IMPROVEMENTS OR EXISTING CONDITIONS, AS SUCH, CONTRACTOR SHALL PROVIDE INDUSTRY STANDARD GOOD CARE AND PRACTICE FOR MISCELLANEOUS ELEMENTS NOT SHOWN ON PLANS AND SHALL CONTACT ENGINEER FOR FURTHER INFORMATION IF REQUIRED.
 - MEANS AND METHODS OF CONSTRUCTION PRACTICES, CONTRACTOR IS RESPONSIBLE FOR ALL MEANS OF CONSTRUCTION AND FOR JOBSITE SAFETY PER OSHA REGULATIONS.
 - TRENCH SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PROVIDE SHORING AND/OR TRENCH BOXES AS REQUIRED BY OSHA REQUIREMENTS TO PROVIDE SAFE WORKING CONDITIONS.
 - ANY OPENINGS, SCAVENAGES, LEFT OPEN AFTER A WORK DAY SHALL BE BARRICADED OR OTHERWISE PROTECTED FROM HAZARDOUS CONDITIONS.
 - ANY STRUCTURES SHOWN ON PLANS ARE DESIGNED FOR FINAL CONDITION. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SHORING, BRACING, ETC., TO PROVIDE ADEQUATE STRUCTURAL STRENGTH FOR ALL REVISIONS TO BE MADE TO THE PLANS.
 - AND ANY NECESSARY PERMITS FROM THE GOVERNING MUNICIPALITY PRIOR TO BEGINNING OF CONSTRUCTION. THIS INCLUDES ANY ENCROACHMENT OR CUT PERMITS WHEN WORKING WITHIN PUBLIC RIGHT-OF-WAYS OR PERMISSION FROM PROPERTY OWNERS WHERE WORKING WITHIN PRIVATE EASEMENTS.
 - CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL AND ANY GOVERNING MUNICIPALITY REQUIRED FOR SUBMITTAL TO THE GOVERNING MUNICIPALITY.
 - ANY OBSERVATIONS PROVIDED BY WIRE DURING CONSTRUCTION SHALL BE CONSIDERED OBSERVATIONS LIMITED TO THE SCOPE REQUESTED, AND NOT FULL INSPECTIONS OR APPROVAL. THE GOVERNING MUNICIPALITY SHALL BE SOLELY RESPONSIBLE FOR INSPECTIONS AND APPROVAL OF FINAL CONSTRUCTION.
 - BETWEEN ACTUAL CONDITIONS AND ANY DISCREPANCIES THESE PLANS (I.E. DIMENSIONS, MATERIALS, ASSUMED LOADS, ETC.) TO THESE PLANS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD TO REVIEW IF DIMENSIONS OR OTHER ASPECTS OF SHOP DRAWINGS DIFFER FROM THOSE ON THESE PLANS.
 - RESPONSIBLE TO COMPLY WITH ALL REPRODUCED EXCEPT FOR AS PROPERTY CONTAINED HEREIN IS SOLELY OWNED BY WIRE ON THESE PLANS ARE TO BE CONSIDERED APPROXIMATE LOCATIONS. EXACT LOCATIONS MUST BE DETERMINED PRIOR TO AND DURING CONSTRUCTION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES AND FACILITIES UNLESS EXPLICITLY STATED OTHERWISE ON THESE PLANS.
 - CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL UTILITIES AND INFORMATION PURPOSES ONLY. CONTRACTOR SHALL PROVIDE HIS OWN QUANTITY TAKE-OFF TO COMPLETE THE WORK SHOWN ON THE PLANS.

CONCRETE FOOTINGS, FOUNDATIONS, AND SLABS

NOTES:

- CONCRETE SHALL MEET REQUIREMENTS OUTLINED FOR STRUCTURAL CONCRETE (ACI 308-19).
- IN ALL CONDITIONS OFFERED FROM THESE PLANS, CRITERIA FOR ASSUMED VALUES, THESE VALUES SHALL BE REPLACED BY DATA INCLUDED IN A SITE SPECIFIC GEOTECHNICAL REPORT IF AVAILABLE.
- WHERE QUANTIFIABLE DATA OR OBSERVATIONS INDICATE EXHAUSTIVE COMPARISABLE, SHIPING, OR OTHER QUESTIONABLE DATA, CONTRACTOR SHALL BE RESPONSIBLE FOR THE WEALTH TO BE PRESENT. THE BUILDING OFFICIAL SHALL BE RESPONSIBLE TO DETERMINE SOIL CHARACTERISTICS OF THE SITE.
- CONCRETE SHALL BE MECHANICALLY VIBRATED WHEN PLACED TO ADEQUATELY FILL AND CONSOLIDATE.
- CONCRETE SHALL NOT BE DROPPED MORE THAN 9' MAXIMUM DURING FREELY FLOWING AROUND REINFORCEMENT.
- CONCRETE SHALL NOT BE DROPPED MORE THAN 9' MAXIMUM DURING CONCRETE FOR WALLS SHALL CURE A MINIMUM OF 14 DAYS AND HAVE TOP AND BOTTOM SLAB INSTALLED PRIOR TO ANY BACKFILL.
- CONTRACTOR SHALL ROUNDEN JOINT BETWEEN FOOTING AND WALL TO 1" RADIUS.
- REINFORCING STEEL IN CONCRETE SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SECTION ENTITLED "REINFORCING STEEL".
- ALL REINFORCEMENT IN CONCRETE SHALL BE PROPERLY TIED AND REINFORCEMENT REMAINS IN DESIGNER LOCATION. A WEALTH REINFORCING STEEL FOR MASONRY CONSTRUCTION MAY BE FLOATED INTO PLACE.
- ANY COMPONENTS THAT ARE CAST IN PLACE SHALL BE SECURELY PLACED IN THE FORMS (I.E. STRAPS, BOLTS, SLEEVES, ETC.)

EPOXY

NOTES:

- WHEN SPECIFIED ON PLANS, DRILL AND EPOXY HORIZONTAL REINFORCEMENT 4" MINIMUM INTO EXISTING CONCRETE.
- DRILL AND CLEAN HOLE PER MANUFACTURER SPECIFICATIONS. HOLE SHALL BE FREE OF DUST, DEBRIS, AND STANDING WATER PRIOR TO EPOXY INSTALLATION.

REINFORCING STEEL

NOTES:

- PLACEMENT OF REINFORCING STEEL SHALL MEET REQUIREMENTS OF CHAPTER 25 OF ACI 318-19.
- ALL REINFORCING STEEL SHALL BE COATED AND CONFORM TO ASTM A618.
- REINFORCING STEEL SHALL NOT BE WELDED UNLESS SPECIFIED ON ATRM GRADE 60.
- REINFORCING WELDED WIRE FABRIC SHALL CONFORM TO ASTM STANDARD A-185.
- ALL REINFORCING STEEL DIMENSIONS SHALL BE TO CENTER OF BAR UNLESS DIMENSION IS SPECIFIED AS CLEAR OR CLIP IN WHICH EDGE OF REBAR, REBAR LAP LENGTHS SHALL MEET THE FOLLOWING REQUIREMENTS ON THIS SHEET AND THE REQUIREMENTS IN THE ACI 318.
- ON CENTER (O.C.) SPACING SHOWN ON PLANS SHALL BE MAXIMUM SPACING ALLOWABLE.
- REBAR SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS (4L) TO MEET DEVELOPMENT LENGTH. DEVELOPMENT LENGTH ASSUMES WELDED OR EPWELDED CONNECTIONS. CONTACT CONTRACT ENGINEER FOR OTHER CONDITIONS IF NEEDED.

CONCRETE SPECIFICATIONS

STRUCTURAL ELEMENT	MIN. COMPRESSIVE STRENGTH (fc)	AIR CONTENT	W/C RATIO
BOX CULVERT WALLS, SLABS, WING WALLS	4000 PSI	5%-7%	.45

NOTES TO TABLE ABOVE:

- FC IS CONCRETE COMPRESSIVE STRENGTH AT 28-DAYS
- PORTLAND CEMENT TYPE III
- CONCRETE SHALL BE NON-AERATED AND SUPPLEMENTARY CEMENTITIOUS MATERIAL IN CONCRETE MIXTURE
- CONCRETE SHALL NOT INCLUDE CALCIUM CHLORIDE ADMIXTURE
- NOMINAL MAXIMUM AGGREGATE SIZE OF 3/4" AND SHALL CONFORM TO ASTM C33
- CONCRETE MIXTURE MAY HAVE A MAXIMUM OF 25% BY MASS OF FLY ASH OR OTHER MATERIAL PROZOLANS CONFORMING TO ASTM C618
- SLUMP OF CONCRETE SHALL BE AS SPECIFIED TO PROVIDE WORKABILITY AROUND REINFORCEMENT.

STANDARD HOOK GEOMETRY OF DEFORMED BARS IN TENSION (SEE ACI 318-19 TABLE 25.3.1 FOR ALL BAR SIZES AND REQUIREMENTS)

TYPE OF HOOK	BAR SIZE	MIN. DIAMETER	STRAIGHT EXTENSION MIN. (L _{min})	TYPE OF HOOK
180° HOOK	#3-#8	6d	GREATER OF 4d, and 25"	
90° HOOK	#3-#8	6d	12d	

STANDARD HOOK GEOMETRY FOR STIRRUPS, TIES AND HOOPS (SEE ACI 318-19 TABLE 25.3.2 FOR ALL BAR SIZES AND REQUIREMENTS)

TYPE OF HOOK	BAR SIZE	MIN. INSIDE DIAMETER	STRAIGHT EXTENSION MIN. (L _{min})	TYPE OF HOOK
90° HOOK	#3-#5	4d	GREATER OF 6d, and 3"	
135° HOOK	#3-#5	4d	GREATER OF 6d, and 3"	
180° HOOK	#3-#5	4d	GREATER OF 6d, and 3"	

NOTES TO TABLE ABOVE:

- A LONGER STRAIGHT EXTENSION IS ALLOWABLE BUT DOES NOT INCREASE ANCHORAGE CAPACITY
- MINIMUM DEVELOPMENT LENGTH SHALL BE 40 BAR DIAMETERS (4L)

REBAR CONCRETE COVERAGE DISTANCES

EXPOSURE CONDITION	BAR SIZE OR MEMBER	REBAR CLR DISTANCE (MIN.)
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	ANY	3"
EXPOSED TO WEATHER	#3 AND SMALLER	1-1/2"
	#6 AND LARGER	2"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	#11 AND SMALLER, SLABS, JOISTS AND WALLS	3/4"
	ALL SIZE BARS: BEAMS, COLUMNS AND TENSION TIES	1-1/2"

NOTES TO TABLE ABOVE:

- SEE TABLE 60.5.1.3 (A) 318-19



435-515-0126
 info@whitepineeng.com
 200 BOX 669
 HYDE PARK, UTAH
 84316

WEBER COUNTY 12TH STREET PHASE 4 BOX
CULVERT DESIGN
 7500 WEST 900 SOUTH
 HARRISVILLE, UTAH



DESIGNED BY: T. HILL
 CHECKED BY: J. SAGBERS
 SHEET TITLE:

STRUCTURAL NOTES AND SPECIFICATIONS

SD-2

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Exhibit B
Staker Parson Materials & Construction
A CRH Company

Ogden - 2350 S. 1900 W. Ogden, UT 84401 | P: (801) 731-1111 F: (801) 731-8800
 Brigham City - PO Box 517 Brigham City, UT 84302 | P: (435) 723-5216 F: (435) 723-9343
 Smithfield - PO Box 65 Smithfield, UT 84335 | P: (435) 563-3242 F: (435) 563-9480

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To: Weber County Engineering	Contact: Gary Myers
Address: Ogden, UT	Phone: (801) 399-8007
	Fax:
Project Name: West 12th Street Corridor Phase 4	Bid Number:
Project Location: 12th St - 7100 W To 8300 W, Weber County, UT	Bid Date: 9/6/2024

JOB SPECIFICATION AND PRICE:

(IF UNIT PRICES ARE QUOTED, UNITS WILL BE MEASURED ON COMPLETION AND INVOICED AT UNIT PRICES QUOTED).

IF OWNER ELECTS TO EXECUTE OWN CONTRACT AGREEMENT, THIS PROPOSAL IS TO BECOME PART OF AND ATTACHED TO OWNERS CONTRACT

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
	903	Additinal Cost For Casr-in-Place Box Culvert Extension	1.00	LS	\$24,930.00	\$24,930.00
Total Price for above Items:						\$24,930.00

Total Bid Price: \$24,930.00

Notes:

- Bid includes only the items as specified and described above.

Payment Terms:

Refer to attached Terms & Conditions. Please note***Effective March 1, 2019, payment by credit card will no longer be allowed on Construction Service Invoices***

<p>ACCEPTED: The above prices, specifications and conditions are satisfactory and are hereby accepted.</p> <p>Buyer: _____</p> <p>Signature: _____</p> <p>Date of Acceptance: _____</p>	<p>CONFIRMED: STAKER PARSON COMPANIES</p> <p>Authorized Signature: _____</p> <p>Estimator: Jeff Davis (801) 409-2483 jeff.davis@stakerparson.com</p>
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Davis, Jeff (Staker Parson)

From: Tia Boccia <tia.boccia@marriottcompanies.com>
Sent: Friday, December 13, 2024 7:45 AM
To: Davis, Jeff (Staker Parson)
Cc: Todd Kelley
Subject: [EXT] 12th Street Corridor Change Order

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you are expecting this email and know the contents are safe. If you believe this email may be phishing or malicious, please use the Report Phish button.

See detail below for the Change Order for 12th Street Corridor. Let me know if you have any questions. Thank you!

67	Precast:		67-B	Pour in place option:	
	Material	61,834.00		Material	102,060.00
	Crane	10,483.00		Crane	0.00
	Labor	6,000.00		Labor	0.00
	Total	78,317.00		Total	102,060.00
				Change Order Difference	23,743.00

Tia Boccia - Office Manager, Project Management & Dispatch

Marriott Companies - Marriott Construction

Office: 801-731-7252 * Desk: 385-600-4259 * Cell: 325-450-3893



ATTENTION: Ce courriel vient de l'exterieur de l'entreprise. Ne cliquez pas sur les liens, et n'ouvrez pas les pièces jointes, à moins que vous ne connaissiez l'expéditeur du courriel et savez que le contenu est sécuritaire. Si vous pensez qu'il s'agit d'un courriel d'hameçonnage ou malveillant, veuillez cliquer sur le bouton Signaler une tentative d'hameçonnage.



Exhibit B
Staker Parson Materials & Construction
A CRH Company

Ogden - 2350 S. 1900 W. Ogden, UT 84401 | P: (801) 731-1111 F: (801) 731-8800
 Brigham City - PO Box 517 Brigham City, UT 84302 | P: (435) 723-5216 F: (435) 723-9343
 Smithfield - PO Box 65 Smithfield, UT 84335 | P: (435) 563-3242 F: (435) 563-9480

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Cost Detail With Pricing and Categories

Project Name: West 12th Street Corridor Phase 4	Customer: Weber County Engineering
Job Number: 213943	Billing Address: Ogden, UT
Bid As: General	
Estimator: Jeff Davis	Phone: (801) 399-8007
Project Address: 12th St - 7100 W To 8300 W, Weber County, UT	Contact: Gary Myers
Completion Date:	

Change Order: PCO #3 - Additional Cost Cast-in Place Box Culvert

Pay Items

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost	Unit Price	Total Price	Markup Percent
5 903 - Additional Cost For Casr-in-Place Box Culvert Extension (Randy Marriott Construction)	1.00	LS	\$23,743.03	\$23,743.03	\$24,930.00	\$24,930.00	5.00%

Direct Cost Totals

Exhibit B

	Amount	Percent of Direct Cost
Labor:	\$0.00	0.00%
Equipment Owned:	\$0.00	0.00%
Equipment Rented:	\$0.00	0.00%
Materials Owned:	\$0.00	0.00%
Materials Purchased:	\$0.00	0.00%
Subcontracted:	\$23,743.03	100.00%
Trucking Owned:	\$0.00	0.00%
Trucking Hired:	\$0.00	0.00%
Miscellaneous:	\$0.00	0.00%
Plug:	\$0.00	0.00%
Direct Cost:	\$23,743.03	

Pay Item Summary

	Amount	Percent of Bid Price
Total Direct Cost:	\$23,743.03	95.24%
Total DC Adds/Cuts:	\$0.00	0.00%
Total Indirect Cost:	\$0.00	0.00%
Total Bond:	\$0.00	0.00%
Total Overall Cost:	\$23,743.03	95.24%
Total Overhead:	\$0.00	0.00%
Total Profit:	\$1,186.97	4.76%
Total Margin:	\$1,186.97	4.76%
Total Bid Price:	\$24,930.00	

12th Street Segment 4

Engineer's Estimate for Change Order 4

Comparing pricing between submitted pricing and UDOT nearby project

- UDOT project
 - Cast in place box culvert on 5900 South
 - Warren Irrigation Company
 - Total costs for precast box culvert = \$209,824.00
 - Total length including wingwalls = 59 feet
 - Price per foot = \$3,556.34
- 12th Street Submitted costs
 - Cast in place box culvert extension on 12th Street
 - Warren Irrigation Company
 - Precast box culvert bid amount = \$110,820.00
 - Cost difference switching to cast in place = \$24,930.00
 - Total costs for precast box culvert = \$135,750.00
 - Total length including wingwalls = 50 feet
 - Price per foot = \$2,715.00

Submitted costs per foot for the box extension are less than the costs per foot on the nearby UDOT project.

Exhibit C
Utah Department of Transportation

Bid Opening Date: 10/17/2024

Region: Region 1

Project Number: F-3462(7)9

County: Weber

Project Name: BFP: Weber County (2) Bridge Replacements

Contractor: PRIDE CONSTRUCTORS HEAVY DUTY LLC

Line No	Item No	Item Description	Unit	Quantity	Unit Price	Amount
32	02221717*	Remove Precast Concrete Barrier	ft	40	\$ 32.50	\$ 1,300.00
33	022317020	Clearing and Grubbing (Plan Quantity)	Acre	1	\$ 5,450.00	\$ 5,450.00
34	02316700*	Channel Grading	cu yd	800	\$ 10.50	\$ 8,400.00
35	02316702*	Roadway Excavation (Plan Quantity)	cu yd	849	\$ 75.00	\$ 63,675.00
36	023737010	Loose Riprap	cu yd	339	\$ 156.00	\$ 52,884.00
37	02498700*	Vibration Monitoring During Construction	Lump	1	\$ 12,650.00	\$ 12,650.00
38	02511701*	Loop Existing 6" Waterline	Each	1	\$ 13,450.00	\$ 13,450.00
39	02511702*	Loop Existing 8" Waterline	Each	1	\$ 14,570.00	\$ 14,570.00
40	02511710*	Relocate Fire Hydrant	Each	1	\$ 9,450.00	\$ 9,450.00
41	026107614	Drainage Pipe - 15 inch, Reinforced Concrete, Leak-Resistant	ft	86	\$ 391.00	\$ 33,626.00
42	02613714P	Circular Concrete End Section 15 inch	Each	1	\$ 3,650.00	\$ 3,650.00
43	026337030	4 Foot Standard Manhole - CB 11	Each	2	\$ 10,500.00	\$ 21,000.00
44	027217020	Untreated Base Course (Plan Quantity)	cu yd	530	\$ 78.00	\$ 41,340.00
45	027417050	HMA - 1/2 inch	Ton	317	\$ 198.00	\$ 62,766.00
46	02741708P	Asphalt Driveway, 4 inch Thick	sq ft	542	\$ 11.00	\$ 5,962.00
47	027487060	Emulsified Asphalt CSS-1H	Ton	1	\$ 1.30	\$ 1.30
48	027657050	Pavement Marking Paint	gal	14	\$ 525.80	\$ 7,361.20
49	027767017	Concrete Curb Type B5	ft	40	\$ 52.50	\$ 2,100.00
50	027767100	Plowable End Section	Each	2	\$ 1,800.00	\$ 3,600.00
51	02821701*	Temporary Fence	ft	880	\$ 14.00	\$ 12,320.00
52	02821702*	Temporary Gate	Each	2	\$ 1,550.00	\$ 3,100.00
53	02844717P	42 Inch Constant Slope Parapet, 32 Inch Constant Slope Barrier Transition - With Beam Foundation BA 2E3B	Each	1	\$ 15,000.00	\$ 15,000.00
54	028447334	Cast-In-Place Concrete Constant Slope Half Barrier -- 42 Inch Trailing Sloped End Section BA 3K8	ft	26	\$ 312.50	\$ 8,125.00
Subtotal for 10 - ROADWAY						\$ 828,452.25

20 - STRUCTURES

Description: 057058E (Warren)

55	020567025	Granular Backfill Borrow (Plan Quantity)	cu yd	117	\$ 115.00	\$ 13,455.00
56	020757050	Stabilization Geotextiles	sq yd	165	\$ 9.00	\$ 1,485.00
57	02221701*	Remove Bridge	Each	1	\$ 20,900.00	\$ 20,900.00
58	032117010	Reinforcing Steel - Coated (Plan Quantity)	Lb	37412	\$ 2.00	\$ 74,824.00
59	03310701*	Structural Concrete Est. Lump Qty: 165 cu yd	Lump	1	\$ 135,000.00	\$ 135,000.00
60	07925700*	Waterproofing for Buried Structure	sq ft	1901	\$ 30.50	\$ 57,980.50
Subtotal for 20 - STRUCTURES						\$ 303,644.50