

RECEIVED

AUG 15 2017

BY: PSI

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 1

Received

AUG 10 2017

HNTB Corporation

Round Rock

1. CONTRACTOR: Patin Construction
2. Change Order Work Limits: Sta. 10+00 to Sta. 53+67.30
3. Type of Change (on federal-aid non-exempt projects): Minor (Major/Minor)
4. Reasons: 4C & 2C (3 Max. - In order of importance - Primary first)

Project: 1603-064
Roadway: Arterial H
CSJ Number: _____

5. Describe the work being revised:

4C: Third Party Accommodation. Compliance requirements of new laws and/or policies (impacting third party). Project delayed, due to TCEQ approval process for Water Quality pond design changes. **2C: Differing Site Conditions (unforeseeable).** New development (conditions changing after PS&E completed). Design changes were necessary, due to unknown elevation of existing water table.

6. Work to be performed in accordance with Items: _____
7. New or revised plan sheet(s) are attached and numbered: _____
8. New Special Provisions/Specifications to the contract are attached: ☐ Yes ☒ No
9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses, additional changes for time, overhead and profit, or loss of compensation as a result of this change.

The following information must be provided

Time Ext. #: N/A Days added on this CO: 0
Amount added by this change order: \$132,771.00

THE CONTRACTOR Date 8/10/17
By [Signature]
Typed/Printed Name Tim Patin
Typed/Printed Title President

RECOMMENDED FOR EXECUTION:

[Signature] 8/14/17
Project Manager Date

N/A
Design Engineer Date

[Signature] 8/22/2017
Program Manager Date

Design Engineer's Seal:

County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 1

Project # 1603-064

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE		HOURLY RATE

TABLE B: Contract Items:

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
100-6002	PREPARING ROW	STA	\$1,500.00	41.60	\$62,400.00	20.80	62.40	\$93,600.00	\$31,200.00
156-6001	BULLDOZER WORK	HR	\$135.15	0.00	\$0.00	20.00	20.00	\$2,703.00	\$2,703.00
160-WC02	FURNISHING AND PLACING TOPSOIL (4")	SY	\$0.75	23,232.00	\$17,424.00	6,000.00	29,232.00	\$21,924.00	\$4,500.00
164-WC01	SEEDING FOR EROSION CONTROL	SY	\$0.50	23,232.00	\$11,616.00	6,000.00	29,232.00	\$14,616.00	\$3,000.00
500-WC01	REMOBILIZATION (DELAY)	LS	\$1.00	0.00	\$0.00	66,000.00	66,000.00	\$66,000.00	\$66,000.00
502-WC01	BARRICADES, SIGNS, AND TRAFFIC HANDLING	MO	\$1,200.00	3.00	\$3,600.00	14.00	17.00	\$20,400.00	\$16,800.00
999-WC02	LABOR INFLATION	LS	\$1.00	0.00	\$0.00	8,568.00	8,568.00	\$8,568.00	\$8,568.00
TOTALS					\$95,040.00			\$227,811.00	\$132,771.00

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

**Arterial H
Williamson County Project No. 1603-064**

Change Order No. 1

Reason for Change

This Change Order adds quantities to various existing Contract items for the Contractor to remobilize and adds dollars for the inflation of labor rates, due to the delay of the road construction start date. This delay was due to the TCEQ approval process for the Water Quality pond design changes that were necessary because of the unknown existing water table elevation.

Following is a summary of new items required for this Change Order.

ITEM	DESCRIPTION	QTY	UNIT
156-6001	BULLDOZER WORK	20	HR
500-WC01	REMOBILIZATION (DELAY)	66,000	LS
999-WC02	LABOR INFLATION	8,568	LS

This Change Order results in a net increase of \$132,771.00 to the Contract amount, for an adjusted Contract total of \$3,343,705.80. The original Contract amount was \$3,210,934.80. As a result of this and all Change Orders to-date, \$132,771.00 has been added to the Contract, resulting in a 4.1% net increase in the Contract cost. Zero (0) days have been added to the Contract as a result of this Change Order because the initial work was done under a Limited and Conditional Notice to Proceed.

HNTB Corporation

James Klotz, P.E.

Item	1	Unit		
100-6002	PREPARING ROW	STA	20.8	add qty = 1/2 of original amount
		\$/STA	\$ 1,500	existing rate
			<u>\$ 31,200</u>	TOTAL
Item	2	Unit		
156-6001	BULLDOZER WORK	HR		new item
Equipment	JD Dozer			
	Blue book rental rate / hour	\$/HR	\$ 86.52	
	Allowable Mark-up of 15%	\$/HR	\$ 99.50	
	Work Hours	HR	20	
	Subtotal		<u>\$ 1,990.00</u>	
Labor	Labor Rate	\$/HR	\$ 20.00	
	Allowable Mark-up for Burden of 55%	\$/HR	\$ 31.00	
	Allowable Mark-up for OH of 15%	\$/HR	\$ 35.65	
	Work Hours	HR	20	
	Subtotal		<u>\$ 713.00</u>	
	Total Quantity	HR	20	
	Total Unit Rate	\$/HR	<u>\$ 135.15</u>	
			<u>\$ 2,703.00</u>	TOTAL
Item	3	Unit		
160-WC02	FURNISHING AND PLACING TOPSOIL (4")	SY	6,000	add qty
		\$/SY	\$ 0.75	existing rate
			<u>\$ 4,500</u>	TOTAL
Item	4	Unit		
164-WC01	SEEDING FOR EROSION CONTROL	SY	6,000	add qty
		\$/SY	\$ 0.50	existing rate
			<u>\$ 3,000</u>	TOTAL
Item	5	Unit		
500-WC01	REMOBILIZATION (DELAY)	LS	1.0	new item = re-mobilization to project after delay
		\$/LS	\$ 66,000	existing rate
			<u>\$ 66,000</u>	TOTAL
Item	6	Unit		
502-WC01	BARRICADES, SIGNS, AND TRAFFIC HANDLING	MO	14	=(12 months delay)+(2 months to correct original plan qty) or 426 calendar days
		\$/MO	\$ 1,200	existing rate
			<u>\$ 16,800</u>	TOTAL
Item	7	Unit		
999-WC02	LABOR INFLATION	LS	1.0	new item = 2% of Contractor's Labor cost for roadway
		\$/LS	\$ 8,568	= 2%(\$428,400)
			<u>\$ 8,568</u>	TOTAL
			<u>\$ 132,771.00</u>	GRAND TOTAL for CO #1

This Change Order pays the Contractor additional costs that were incurred, due to the delay in the start of road construction on the project. TCEQ did not provide final approval of the project due to an issue with an offsite water quality pond, therefore roadway work could not begin as originally scheduled. The Contractor was requested to install the City of Round Rock waterline, so portions of the right-of-way (ROW) were disturbed. After this work was completed, the project limits had to be stabilized per TCEQ requirements. Once the project received final TCEQ approval, construction for the roadway began. See following descriptions for each item listed in this Change Order.

Item 100-6002 Preparing ROW. Agreed to pay half of the original plan quantity for additional ROW clearing. Contractor had to clear vegetation and prepare ROW where the waterline was installed. This area had to be graded and stabilized during delay. The original bid item was overrun to pay for the additional work.

Item 156-6001 Bulldozer Work. Contractor used a bulldozer to grade the areas disturbed and make stockpiles from waterline installation spoils that will be used for the construction of the roadway. Stockpiles were tracked and stabilized. This is a new bid item that will be added to the contract. The cost of the equipment was determined by using the Equipment Watch Blue Book rate and a conservative rate for the operator. See attached backup from the Blue Book.

Item 160-WC01 Furnishing and Placing topsoil (4"). After installation of the waterline and due to the delay in receiving TCEQ approval for the road work, all areas within the project limits that were disturbed during the installation of the waterline were stabilized with topsoil and seed per TCEQ requirements. If no work is performed within 14 days, disturbed areas are required to be stabilized. The original bid item was overrun to pay for the additional work.

Item 164-WC01 Seeding for Erosion Control. Seed was spread on the topsoil to stabilize the limits of the project. The original bid item was overrun to pay for the additional work.

Item 500-WC01 Remobilization (Delay). Agreed to pay half of the original plan quantity for the additional re-mobilization of resources to the project. Labor and equipment were mobilized to the project to install the waterline, then demobilized when the waterline work was complete and road work could not begin. Contractor required to mobilize an additional time for the road work.

Item 502-WC01 Barricades, signs and traffic handling. Delay lasted 12 months from June 2016 to June 2017. The original contract called for 150 work days but included only 3 months of barricades. Two (2) months of barricades were needed to correct the error in the plans and 12 months of barricades were added for the delay for a total of 14 additional barricades. Barricades were installed for the waterline work and left in place during the delay because the duration of the delay. Time charges were suspended during the water line installation work and the delay. Time charges began on 6/4/2017, when the road work began. The original bid item was overrun to pay for the additional work.

Item 999-WC02 Labor Inflation. The County agreed to pay 2% inflation on the cost of labor for the remaining work on the project. The contractor submitted a cost of \$428,400 for labor for the remaining work on the project.


The following is a summary of new items required for this change order.

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Unit</u>
Item 156-6001	Bulldozer work	20	Hour
Item 999-WC02	Labor Inflation	8,568	Lump Sum

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t/se.





DEERE
750J WT
Crawler Tractors (/search?facets=%5B%7B%22facetId%22%3A%22category%22%2C%22facetFilter%22%3A%5B31%5D%7D%5D)
> Standard Crawler Dozers (/search?facets=%5B%7B%22facetId%22%3A%22subType%22%2C%22facetFilter%22%3A%5B751%5D%7D%5D)
> 130 - 159 HP
| **COMPARE SIMILAR MODELS** (/COMPARE-SIMILAR-MODELS/32442?CONFIGURATIONSEQUENCE=2&MODELYEAR=2017)

MARKET POPULARITY: **UNCOMMON** (HTTP://EQUIPMENTWATCH.COM/RESOURCE-LIBRARY/Dictionary/Model-POPULARITY/)

YEAR 2017

METER READS in Hours or MI/KILM

SERIAL NUMBER ...

YOUR CONFIGURATION* Operator Protection EROPS EDIT

Net Horsepower: 145 hp Power Mode: Diesel Dozer Type: Semi-U Operator Protection: EROPS

COSTS/RENTAL RATE BLUE BOOK (/model/Crawler-Tractors/Standard-Crawler-Dozers/Deere/750J-WT/32442/costs/rental-rate/blue-book?configurationSequence=2&modelYear=2017)

Cost Recovery Rate (/model/Crawler-Tractors/Standard-Crawler-Dozers/Deere/750J-WT/32442/costs/cost-recovery-rate/blue-book?configurationSequence=2&modelYear=2017)

Internal Charge Rate (/model/Crawler-Tractors/Standard-Crawler-Dozers/Deere/750J-WT/32442/costs/internal-charge?configurationSequence=2&modelYear=2017)
Texas DOT x v OR ☐ Enter Values Manually

LOCATION	Texas	OWNERSHIP ADJUSTMENT	100%
OPERATING ADJUSTMENT	100%	OWNERSHIP TIME STANDARD	Monthly

Rate Effective Date Always Use Current Rate v	Ownership Cost (Hourly) \$43.67 -\$5.45 11.1% from Unadjusted Rate	Operating Cost (Hourly) \$42.85 \$0.00 0% from Unadjusted Rate	Your FHW Rate (Hourly) \$86.52 -\$5.45 5.9% from Unadjusted Rate
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Ownership Cost, Unadjus (Monthly)	Ownership Adjustment (100%)	Regional Adjustment (Texas: -11.1%)	Year Adjustment (2017: 0%)
\$8,645.00	+	\$0.00	-
		\$959.60	+
			\$0.00

176 (Hourly Calculation)

Rate Element Allocation: Ownership Costs Unadjusted (Monthly)

Element	Percentage	Value
Depreciation	29%	\$2,507.05
Overhaul	56%	\$4,841.20
Cost of Facilities Capital	6%	\$518.70
Indirect	9%	\$778.05

Rate Element Allocation: Operating Costs (Hourly)

Element	Percentage	Value
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