

## Weber County – North Ogden Divide

Owner : Weber County				Change Order #	1
Engineer: Stanley Consultants					
Contractor: Granite Construction				Date:	6/17/2020
Description: Gabion Basket Repair and Bid Quantity Adjustments					
Item No.	Description	Unit	Quantity	Unit Price	Amount Increase/Decrease
9	Subgrade Stabilization	CU YD	997	\$90.00	\$89,730.00
15	Ditch Excavation	LF	-3300	\$14.50	-\$47,850.00
16	Riprap - Ditch	CU YD	-244	\$172.00	-\$41,968.00
31	Gabion Basket Repair	LS	1	\$9,466.00	\$9,466.00
<b>Total Net Changes for this change order</b>					<b>\$9,378.00</b>
<b>Original Contract Amount</b>					<b>\$1,845,026.00</b>
Change Amount of this Change Order					\$9,378.00
<b>Total Adjusted Contract Amount</b>					<b>\$1,854,404.00</b>

Contractor: 

Date: 6-24-20

Engineer: 

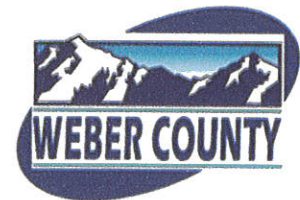
Date: 6/24/20

Owner: 

Date: 6/24/20

Commission: \_\_\_\_\_

Date: \_\_\_\_\_



## Weber County – North Ogden Divide Change Order 1

This change order is to cover the cost to repair the existing gabion basket MSE wall at roughly roadway station 58+50 and to adjust some quantities on the project.

The existing gabion basket MSE wall at roughly roadway station 58+50 was showing signs of failing. There seemed to be some drainage issues washing away the wall foundation and started to undermine the wall. The existing guardrail had to be removed to get to the wall. After removing the existing basket the crews found a lot of saturated material under the wall and they could not get the new foundation material to compact. Crews then over excavated the wet material and found ground water seeping into the excavation from behind the wall. It was discussed and agreed upon to install a perforated drainage pipe backfilled with gravel to help alleviate the water under the wall and provide a more stable foundation for the wall to site on. The gabion wall was then reconstructed with a new basket and rock material. This change order is to cover the costs to repair the existing gabion basket MSE wall and to mitigate the drainage issues that caused the wall to be undermined. (Total costs to repair the existing gabion basket MSE wall = \$9,466.00)

The existing material under the existing roadway is not as good as originally anticipated and there have been more soft spots under the existing roadway than first anticipated. Walking the site looking at these areas we have estimated another 997 cubic yards of potential soft subgrade material that will need to be stabilized before building the new roadway. This change order is to adjust the total quantity of the subgrade stabilization by 997 cubic yards. (Total cost to increase the subgrade stabilization by 997 cubic yards = \$89,730.00)

The Weber County Roadway Crew has been up on the project site shouldering the roadway to take full advantage of the road closure. While up there the County Crew has fixed a lot of the drainage ditches on the west side of the divide. These ditch repairs were originally included in this North Ogden Divide project but will now not need to be done since it was completed by the County Crew. The work performed by the County Crew will save the project some money. This change order is to reduce the amount of ditch excavation by 3,300 linear feet and ditch riprap by 244 cubic yards that was performed by the County's Roadway Crew. (Total cost savings by removing the ditch excavation and riprap = \$89,818.00)

The following items are being added to the contract.

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9	Subgrade Stabilization	CU YD	997	\$90.00	\$89,730.00
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<b>Total Net Changes for this change order</b>					<b>\$9,378.00</b>

(Adjust Item #9 – Subgrade Stabilization) Potential soft spots have appeared in the roadway subgrade after the existing roadway was excavated off. The potential additional areas are estimated around 997 cubic yards. This change order is to increase the Subgrade Stabilization pay item by 997 cubic yards. The increase in quantity will be paid at the original unit bid pricing, therefore these costs are recommend for acceptance.

(Adjust Item #15 – Ditch Excavation) The Weber County Roadway Crew was able to take advantage of the road being closed and were able to complete a lot of shouldering work on the west side of the divide. In shouldering the roadway they were also able to fix a lot of the ditches that were included in the project. These ditches no longer need to be fixed due to the work of the County Crew and will be removed from the project. The 3,300 feet of ditch excavation will be removed from the project at the original unit bid pricing and thereby recommended for acceptance.

(Adjust Item #16 – Ditch Excavation) As mention previously the Weber County Roadway Crew fixed all the ditches on the west side of the divide and those ditches repairs will be removed from this project. 244 cubic yards of riprap ditch will be removed from the project at the original unit bid pricing and thereby recommended for acceptance.

(Add Item #31 – Gabion Basket Repair) This item will cover all the labor, equipment and material costs to repair the existing gabion basket and to mitigate the drainage issues under the wall. All costs have been reviewed and agreed to by the County and the contractor, therefore these costs are 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.



06/01/2020

Rick Nielsen  
Stanley Consultants  
6975 Union Park Ave.#300  
Cottonwood Heights, Utah 84047

RE: North Ogden Divide Project

Subject: Change Order #1– Gabion Basket Repair

Dear Rick,

It has been requested that Granite Construction repair a damaged piece of gabion basket on the west side of the project. The work consists of a removing and repairing one section of wall with over excavation due to wet soil conditions. Additionally, adding a sock drain to collect and disperse the water down the slope. Please see the costs below for the additional work.

Description	Quantity	Unit	Rate	Total
Mobilization	1	LS	\$550.00	\$550.00
Gabion Basket Fill 4" - 6"	22	TN	\$45.00	\$990.00
Gabion Basket	1	EA	\$485.00	\$485.00
Labor and Equipment	1	LS	\$3,342.00	\$3,342.00
Additional work behind wall (Soft Area)	1	LS	\$2,244.00	\$2,244.00
Granite Rock and Equipment	1	LS	\$1,385.00	\$1,385.00

\$8,996.00

1 – Granite Mark-up at 5% = \$450

1 – Total Repair to Gabion Basket Wall Segment - \$ 9,466.00.

Please let me know if you have any questions?

Sincerely,  
GRANITE CONSTRUCTION COMPANY

Clayton Monahan

Project Manager

Cc: File