



## **4 – SUBCONTRACTED WORK IMPACTS - \$111,747.30**

The delays on the project, and inability to follow the contract staging due to conflicts, have caused significant impact on the contractor's subcontracted work. At this time, three major impacts have been included in this analysis. However, please note that this does not account for all impacts of all subcontracted work. Subcontractors may, of their own volition, choose to file claims for impacts related to their work, at which time such claims will be submitted to the City.

### **TRAFFIC CONTROL = \$50,563.09**

Throughout the project, the contractor has had limited areas to work at any given time. This has eliminated the opportunity to work on multiple tasks simultaneously within a single shift requiring lane closure or other traffic control. Therefore, the contractor has and will be required to take additional traffic control measures in excess of that which was originally anticipated. The below summary lists certain activities which may have been combined with other activities previously performed. The attached cost summary covers 23 additional shifts of traffic control support.

Items requiring additional traffic control	# Additional Shifts Required	Work could have been performed concurrently with:	Reason activities were not performed concurrently
Roadway tie-in @ new NB 405 On-ramp	5	NB & SB MVP Closures / Clear & Grub of median and Trees along Wilmington	SCE utility conflicts
Krail Removal – NB 405	1	Removal of Krail SB Mainline	405 Bridge Widening not complete / Permit Delay
Restripe – NB 405	1	Removal of Krail SB Mainline	405 Bridge Widening not complete / Permit Delay
Place AC Dike	1	Removal of Krail NB Mainline	Entered Winter Months / Needed to protect finished slopes / Permit Delay
Install & Remove Traffic Control Stage 3A	2	Previous Closures of On-ramp	SCE utility conflicts
Install & Remove Traffic Control Stage 3B	2	Previous Closures of On-ramp	SCE utility conflicts
Install & Remove Traffic Control Stage 3C	2	Retrofit Closures	SCE utility conflicts
Install Polyester Overlay	5	Retrofit Closures	Bridge widening was delayed (SCE Conflict)
SB On-ramp Electrical Work	4	Previous Closures of On-ramp	SCE utility conflicts
<b>TOTAL</b>	<b>23</b>		



## **SURVEY – Additional Construction Staking = \$13,860**

Similar to that which was described under traffic control, the contractor furnished survey costs have been impacted as only small areas were available to work at any given time. This has required survey staking to be piecemealed, causing multiple shifts for what would normally take a single shift. Therefore, the contractor's actual costs for surveying have exceeded the original budgeted amount.

The attached summary estimates 80 additional hours of survey staking. This amount covers 20 each, 4 hour shifts, of additional survey and restaking.

## **SURVEY – Additional Administrative Costs = \$13,114.50**

In addition to the additional cost of field work, the Contractor's surveyor, CNC Engineering, has requested compensation for additional administrative support. The attached letter from the subcontractor identifies the impacts the project delays and design changes have caused.

## **REBAR – Labor Escalation - \$15,950.21**

The Contractor's subcontractor, Integrity Rebar, has requested compensation for labor escalations. The subcontractors work, mainly on the bridge widenings, was significantly delayed due to permit and utility relocation delays. The attached cost summary provides a detailed analysis of the labor escalations incurred by the subcontractor.

## **Landscaping – Labor & Material Escalation - \$18,259.50**

The Contractor's subcontractor, Marina Landscape, has requested compensation for labor & material (plant) escalations. The subcontractors work, has been delayed as the planting and irrigation is to occur at the end of the contract, which has been delayed. The attached cost summary provides a detailed analysis of the applicable escalations.