Christian Carreras

CSC 554 Project Management (Spring 2018)

Dr. Hussain

Due 05/05/2018

Submitted 05/04/2018

Project Risk Response

Risk Information Sheet			
Risk ID: 4	Date: 05/04/18	Probability: 10%	Impact: $35,000
Description: When working on a busy and dangerous roadway with variable conditions and heavy machinery there is the possibility that an employee will injure themselves. Minor injuries are common but injuries that incapacitate employees for the rest of the contract are debilitating to the company. With one employee down, the rest of the team will have to work harder to fill the gap or a suitable replacement will have to be found in a reasonable amount of time.			
Refinement/Context: Subcondition 1: The employee sustains injuries that leave them unable to meet the requirements of the job for the rest of the contract duration i.e. severe trauma, severe lacerations, severe burns, multiple bone fractures, organ failure, loss of limb(s), etc. Subcondition 2: The employee dies because of a workplace accident. Subcondition 3: The employee quits or is terminated before contract completion.			
Mitigation/Monitoring: 1-2. Employees must participate in a safety course for all machinery and equipment they use and take a safety course based on road construction etiquette. Employees must wear safety equipment always whenever operating machinery or in an active construction zone. The manager of the contract team must be aware of all employees always and must monitor them closely to make sure they are all following safety protocol. Employees who do not have safety equipment will not be allowed to work until safety equipment is obtained. Employees may not use machinery they are not qualified to use until they have passed the safety course for that specific piece of machinery. Employees must report any hazards or compromises to safety to the manager and anyone in immediate danger. 3. Competitive pay, benefits plus flexibility to an employee's schedule to the extent the contract schedule will allow should prevent employees from quitting mid-contract. Termination of employees should not occur mid-contract unless the individual is a major hazard or hindrance to the team.			
Management/Contingency Plan/Trigger: *RE* computed to be $15,000. Allocate this within project contingency cost. Some costs will be shared along with Risk ID: 1. Courses will be completed before work schedule takes place on the contract. Trigger: Contract acceptance, must be completed before project initiation 05/14/18.			
Current Status: 05/07/18 Mitigation steps initiated			
Originator: C. Carreras		Assigned: C. Carreras	

Risk Information Sheet			
Risk ID: 1	Date: 05/04/18	Probability: 40%	Impact: $8,000

Description: Constant use of machinery every day for eight hours a day comes with a risk of machinery breakdown if proper maintenance is not followed and/or the machinery is not used properly i.e. not being used as intended or surpassing the machinery's work load.

Refinement/Context:
Subcondition 1: Machinery was not used as intended and broke as a result.
Subcondition 2: Machinery was pushed past its maximum work load and broke as a result.
Subcondition 3: Machinery was used under normal conditions but was not maintained regularly and therefore broke because of poor maintenance.
Subcondition 4: Machinery was broken because of miscommunication or workplace accident.
Subcondition 5: Employee or other party purposely sabotaged the machinery.

Mitigation/Monitoring:
1-2. Employees must take a safety course for all machinery they use. By the end of the course the employee should know how to properly use the machine in question and should know how, why and under what conditions the machine will break and therefore avoid those situations and practices.
3. Employees who complete a safety course for the machinery and will work with said machinery daily will be required to read the user manual for the machinery and prove that they can properly maintain the machinery by performing the maintenance steps in the presence of company managers. All maintenance steps taken before, during and after a workday must be logged by the employee and checked, confirmed and signed off by the team leader at the end of the day.
4. Before any action with heavy machinery is performed, the workplace must be cleared of any other machinery, equipment, debris or personnel that may interfere. Before committing to an action with said heavy machinery the operator must make it clear to everyone verbally and gain confirmation through every employee that they are free to proceed. The manager has the final say on whether the heavy machine operator can continue with the decided action.
5. Heavy machinery will be locked during non-working hours with some surveillance to detect any sabotages by employees or other parties. If heavy machinery is sabotaged during normal work hours, the company will launch an inquiry to determine the guilty party. If an employee is found guilty of the sabotage the employee will be terminated immediately and legal action may be taken depending on the severity of the sabotage. If the sabotage is committed by another party legal action will be taken immediately to seek compensation for the machine or machines that were sabotaged.

Management/Contingency Plan/Trigger:
RE computed to be $9,000. Allocate this within project contingency cost. Some costs will be shared along with Risk ID: 4. Courses will be completed before work schedule takes place on the contract. Trigger: Contract acceptance, must be completed before project initiation 05/14/18. Additional steps will be taken on date of machine breakdown to reinforce mitigation.

Current Status:
05/07/18 Mitigation steps initiated

Originator: C. Carreras	Assigned: C. Carreras