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Element I: Testing, data collection and analysis

The visibility team was unable to perform the Material Reflectance Test on its intended date because of technical complications described in the following Engineering Notebook entry:

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90 PAGE	BOOK NO. FOR KILLET SAFETY
Testing	I obtained a laptop from the physics department and (Contact 7) which has the Science Workshop software installed on it. I logged onto the computer within range of the vireless routers
	(costact 7) which has the Science
	Washing soft was installed on it I legaled onto
	the state that the same of the wireless resters
	in the physics classroom because otherwise the
	in the physics classified because otherwise into
	laptops cannot connect to the school network and log
	in.
	I set up the laptop, Science workshop Interface, and
	Pasco Scientific CI-6504A light sensor for the
	performance of the Material Reflectance Test
	written on 12/19/12. I aquired a mirror sample
	or from the classroom and a laser pointer trom
	(Contact 12) I set up the testing equipment and
	materials with assistance from Jan.
	I submitted my Material Retrectance Test torage
	That 7 at low and IT was approved.
	T were unable to perform the test because
	the laptop was unable to open the science Workshop software prisons not in range of the
	Workshop coftware when not in range of the
	physics classroom routers.
	I returned the borrowed equipment to the physics
	department.
	T + 11 save of the major milestones of
	the visibility component of the project including
	The islands but at already and ones that we still need
	to let before the along the quarter The purpose
	the visibility component of the project including ones that we had met already and ones that we still need to complete before the end of the quarter. The purpose of telling him this is so that he can update the schedule.
	of Telling him this is so that he can appare the scream.
	I talked with about the possibility of using her laptop for the & Material Reflectance Test. She will
	laptop for the M Material Reflectance less, she but
	check to see if her loptop has a serial part to find out
	if this could work.
	PRINTED NAME DATE
INVENTOR SIGNA	TURE CONTROL PRINTED NAME CONTROL DATE 12/20/12

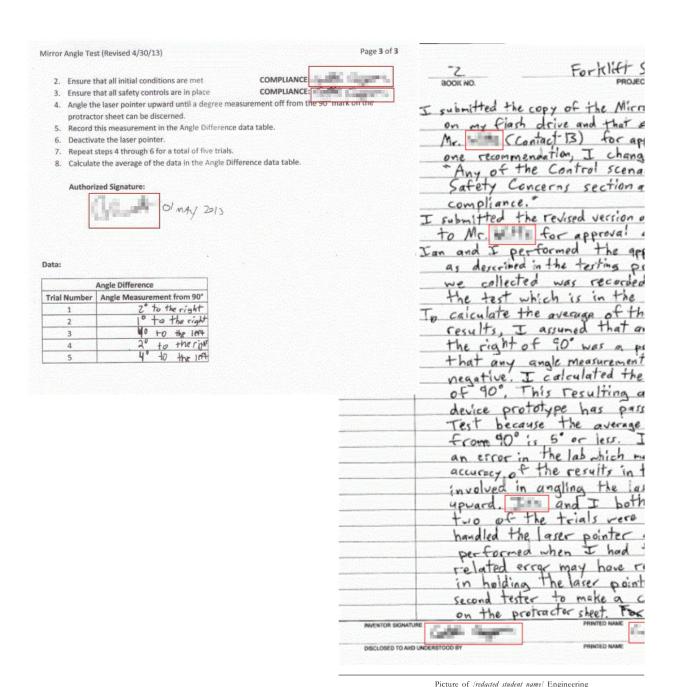
Picture of [redacted student name] Engineering Notebook entry on 12/20/12

Later, after speaking with [redacted instructor name], the team realized that this test was not necessary to the development of a viable visibility design because the problem statement indicates that the goal for the project is to improve the safety of forklifts by improving the visibility and stability. The team realized that the decision matrix that this test was intended to determine information for was not necessary, as the purpose of our project is not to reinvent an alternative to a mirror.

[redacted instructor name]

The team performed the Mirror Angle Test on 5/1/13. The details of this test may be found in Element H. The data was collected in a printout of the test document featured below:

The analysis of the results of the Mirror Angle Test performed on 5/1/13 is included in the following page from [redacted student name] Engineering Notebook:



The following is an analysis of the potential failure of the stability solution, created by [redacted student name] on 3/26/2013.