

# Meeting Minutes – Oct. 3<sup>rd</sup> 2013

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Giving Presentation (basically what we would do for snapshot) : See Attachment

Project Description

Glossary of Terms

Calculations for Error – Pole Height, viewing angle, etc.

Error Calculations

- No Sub-Pixel Accuracy
- Can't go down to only two tripwires – need to pick a number that gives us enough data while minimizing error
- Would a large truck cause problems because it goes all the way between tripwires?
- Would it cause a problem when two cars are traveling in series and trip consecutive tripwires at the same time

Could we separate the rows into zones – lanes – that each have different backgrounds?

We will have a computer interface that we can set the width of the lanes with

We need to make a write-up or something that shows the advantages and disadvantages to using the tripwire method to the full chip method. And also has error involved?

Pixels have flickering – with light level high, the distribution is closer and you won't really notice it. With low light level you might notice it.

Also, we might end up with dead pixels and they could really cause a problem with the tripwire methods. We would most likely end up with single pixels, but it is possible to end up with entire dead rows and columns

Possibly have more than one row of pixels per tripwire. The problem with that is that the total length of those three pixels would be more than the length of a car. Still an idea though

Talk to Achmed in NIATT office. Would have all the traffic data that we need.

Invite top sponsor to Snapshot #1 – Oct. 15<sup>th</sup>. Have a presentation ready for that.