Origin: Traffic Projects and Suitable Data Collection Procedures

LINDSEY B. KLEIN IMPERIAL TRAFFIC & DATA COLLECTION

Origin to Destination



Origin to Destination



Stakeholder Meeting



Gather Local Input

County & township official

Public works & maintenan

Police & emergency

Schools, hospitals, venues

Intersection & Segment Con

- Complaints
- Budget Restrictions



June 12

Is the left turn signal on chapel and Haddon ave in cherry hill?

Is there ANY WAY to make the left turn onto Chapel longer? I counted- it's literally less than 15 seconds long and results in a back up...

If anyone has any information on how or who I can contact to have this looked into, please advise.

It's been bothering me for 4 years now and I'm ready to say something about it...

I've missed night time tuck-ins and getting to dinner on time because of this freakin light.



Does anyone have a rationale as to why the lights on Kresson right in front of Cherry Hill East are still turning red during non-school and summer hours? It's an additional 5-10 minutes of pointless traffic each way.

008

11 Comments

Field Visit

Field check stakeholder comments

- Check exterior signal equipment
 - Signal heads & phasing
 - Field time
 - Pedestrian facilities
 - Regulatory signing
- Observe traffic





New Jersey Section of the International Municipal Signal Association Serving New Jersey and Pennsylvania Since 1938

Your Partner in PUBLIC SAFETY

Certifications: Workzone **Traffic Signal Technician Signs & Pavement Markings Roadway Lighting Fire Alarms**

Automatic Traffic Recorder Counts

Average & Annual Daily Traffic Volume, Speed, Classification & Gap data Corridor Peak Periods Traffic Patterns Predictable? Wavetronix HD Sensor ► Metro BlackCat II Miovi Jamar Appolyon











High Street, Burlington County ATR Comparison



High Street, Burlington County **ATR Comparison** 140 120 100 80 60 **PEAK HOUR 7:25-8:25AM** 40 20 0 7:00 AM 7:15 AM 7:30 AM 7:45 AM 8:00 AM 8:15 AM 8:30 AM

-Jamar - MetroCount - BlackCat - Miovision - Manual



BRAND	JAMAR TRAX APPOLYON	METROCOUNT ROAD POD RV	JAMAR BLACKCAT II	WAVETRONIX HD RADAR	MIOVISION SCOUT
METHOD	PNUMATIC TUBE	PNUMATIC TUBE	RADAR	RADAR	VIDEO
SAFETY	INVASIVE	INVASIVE	NON-INVASIVE	NON-INVASIVE	NON-INVASIVE
SETUP TIME	45 MINUTES	45 MINUTES	20 MINUTES	60 MINUTES	15 MINUTES
COSTS	\$1,400	\$1,345	\$4,500	\$9,000	\$5,000
ADDITIONAL COSTS	\$	\$	\$	\$	\$\$\$
LANE CAPACITY	4 LANES BI-DIRECTIONAL	2 LANES BI-DIRECTIONAL	2 LANES BI-DIRECTIONAL	250' RANGE 22 LANES BI-DIRECTIONAL	175' RANGE 6 LANES BI-DIRECTIONAL
CLASSIFICATION	13	13	13	8	7
SPEED	YES	YES	YES	YES	NO
GAP	YES	YES	YES	YES	ENDING 3/31/2019
BATTERY	LITHIUM 2 YEARS	LITHIUM 2 YEARS	LITHIUM 10-14 DAYS	MARINE 10 DAYS	BATTERY PACK 7 DAYS

Turning Movement Counts

- Project needs
- Modeling & signal timing
- Warrant analyses
- Approach demand
- Classification or specialty data

Field Count
Miovision
Counting Cars
Ulytic
Data from Sky

Comparison Count

Westfield Road & Bridgeboro Road Burlington County, NJ

2 Field Staff

miövision

COUNTING CORS.com



Westfield & Bridgeboro, Burlington County TMC Comparison

2500



Queue Data

Latent demand

- Video based or manual
- Capture approach issues
- Are signals metered?



Delay & Travel Time

Speed & Delay
Tru-Traffic
GPX data receiver
BlueToad
Miovision Connect



Bloopers

