

Blue Enforcement lights

{ Sgt. Rick Denneson – West Hennepin Public Safety

- Hwy 12 traffic counts thru the City of Maple Plain reach 25,000 cars per day
- Intersections were at 1.5 times the state average for K's & A's
- No serious highway improvements in 50+ years

History

- 2015 MnDOT Safety Audit
 - Drove the complete corridor
 - Identified Safety issues
 - 3 timeline goals – short term, medium and long

Safety Audit



- Short term fixes
 - Turn Lanes
 - LED Street Lights
 - Signage Improvement
 - Blue Lights

Safety improvements

- West Hennepin Patrolling Hwy 12
- TZD Enforcement
- MN State Patrol Supplement
- Worked With MnDOT to Help Enhance Our Work
- Enforcement Issues
 - Can't enforce our way out of the problem
 - Limited Officers / Staff

Safety improvements

Enforcement

{ Blue Enforcement Lights

- Maplewood PD – Steve Heibert
- Safe & Sober Conference
- Kissimmee Florida

Blue Lights

- Our Situation
 - Limited officers to do enforcement
 - Hard to see stop lights to confirm light was red
 - Limited places to park for enforcement
 - Vision issues
 - Infrequent red light enforcement

Blue Lights





Working to get them

- MnDOT engineers on the Hwy 12 Safety Coalition were partners
- Connected with Signal Design Project Manager – Chris Bosak
- Connected with Jerry Kotzenmacher & Roger Peterson for installation

Blue Lights

- 3 Intersections on Hwy 12
 - Hwy 12 / Baker Park Rd
 - Hwy 12 / Halgren Rd
 - Hwy 12 / County Line Rd

Each presented a unique situation for enforcement.

Location – Location – Location...

Hwy 12 / Baker Park Rd



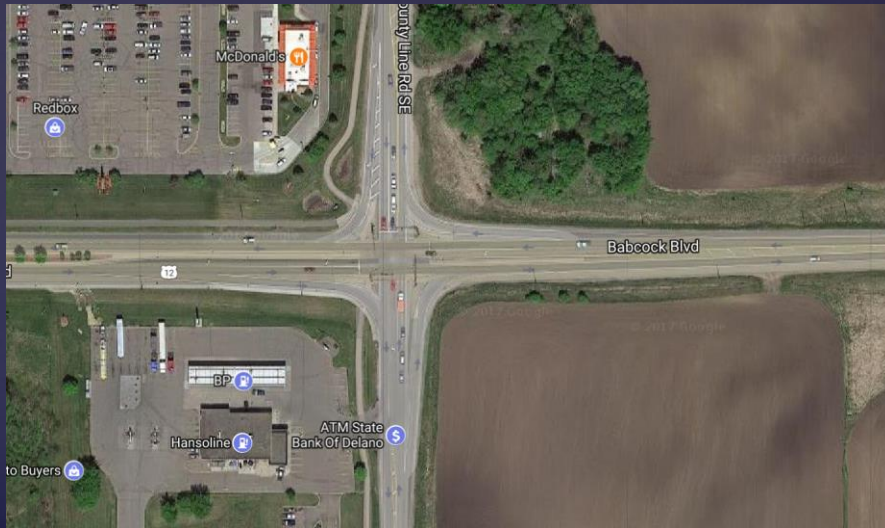
Location – Location – Location...

Hwy 12 / Halgren Rd.



Location – Location – Location...

Hwy 12 / County Line Road



Location – Location – Location...

- Making them usable for Law Enforcement
 - MnDOT - If they are going to be installed, we want them used.
 - Police – If we are going to use them, we want them where we want them

Design

- Chris Bosak – Metro Signal Design Project Manager
 - Came out to the locations
 - Sent drawings of the concept
 - Took feedback and finalized for installation

Design





- Simple for officers to understand
- Simple for court to understand
- Visible for officers to see and capture on video
- Daytime / nighttime visibility

How to place the lights



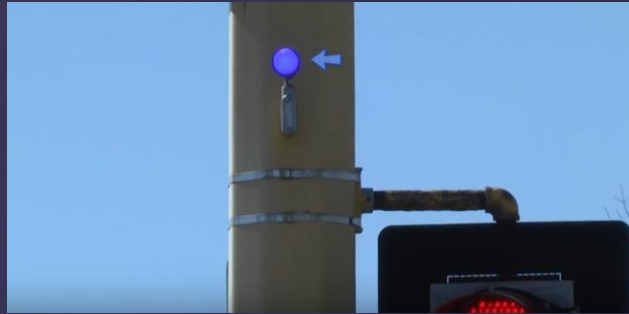
Kissimmee Florida



Nebraska



St. Louis County, MN - Duluth



Installation





How ours work



How ours work





MN/DOT Enforcement Light Recommended Components if pole hub is available.
3-28-2011

Manufact.	Description	Part #
Thomas Betts	Reducer bushing 1 1/2 to 1/2	#RB 151
Hubbell/Bell	Par-38 lamp holder	#5612-0
Dialight	LED Blue Bulb	#T82-8111-001
Bell box	4" Round Weatherproof box 1/2	5561-0
Bell	Rnd. Cover plate 1/2	5193-0
Granger	1/2 Nipple	5P650

- Notes:
- 1) At this time (3/28/11) the weather proof Dialight bulb is best suit for our application.
 - 2) With the Dialight LED lamp connected, the MMU will enter flash if all the red field indications fail.
 - 3) Dialight bulb passed MN/DOT moisture and temperature testing in chamber.
 - 4) Hubbell/Bell lamp holder is metal and has a ground lug if needed.
 - 5) Wire nut splice in the weatherproof box.
 - 6) Lamp is intended to be mounted on the pole hub, on top or bottom of a signal head.

- Blue Lights installed approximately June 1st 2016
- Department stats – red light tickets
 - June 1st 2015 – June 1st 2016 = 40 tickets
 - June 1st 2016 – June 1st 2017 = 96 tickets
 - January 1st 2017 – October 1st 2017 = 183 tickets

Enforcement

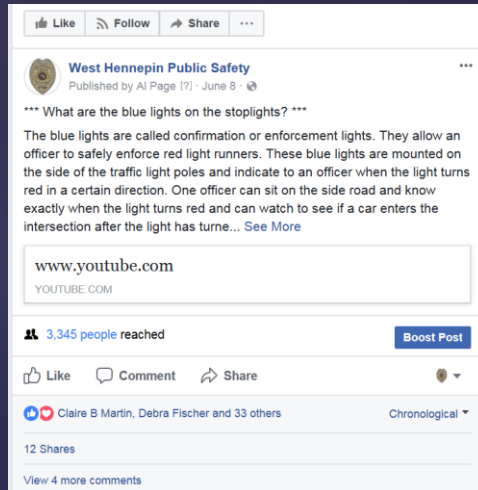
- Officers like the technology because its simple and clear
- They can easily do the enforcement by themselves
- Officers understand that it is a problem
- It is an easy ticket to write
- The public strongly supports the enforcement

Enforcement





Facebook page with videos



Public Education

LMCC Cable TV Video



Public Education

Star Tribune Article

Police watching for red-light runners on Hwy. 12

Patience seems to be in short supply on a dangerous stretch of Hwy. 12, where officers from West Hennepin Public Safety are all about making the road safer.

By Tim Harlow Star Tribune | JUNE 11, 2017 — 7:20PM



Public Education

- They have been a very effective – inexpensive enforcement tool that get used almost every day
- Even when officers aren't present, they intimidate people.

Conclusion

