



The Facts are In...



Nationwide results



How it works





Nationwide agency results





[Facts] Most widely deployed

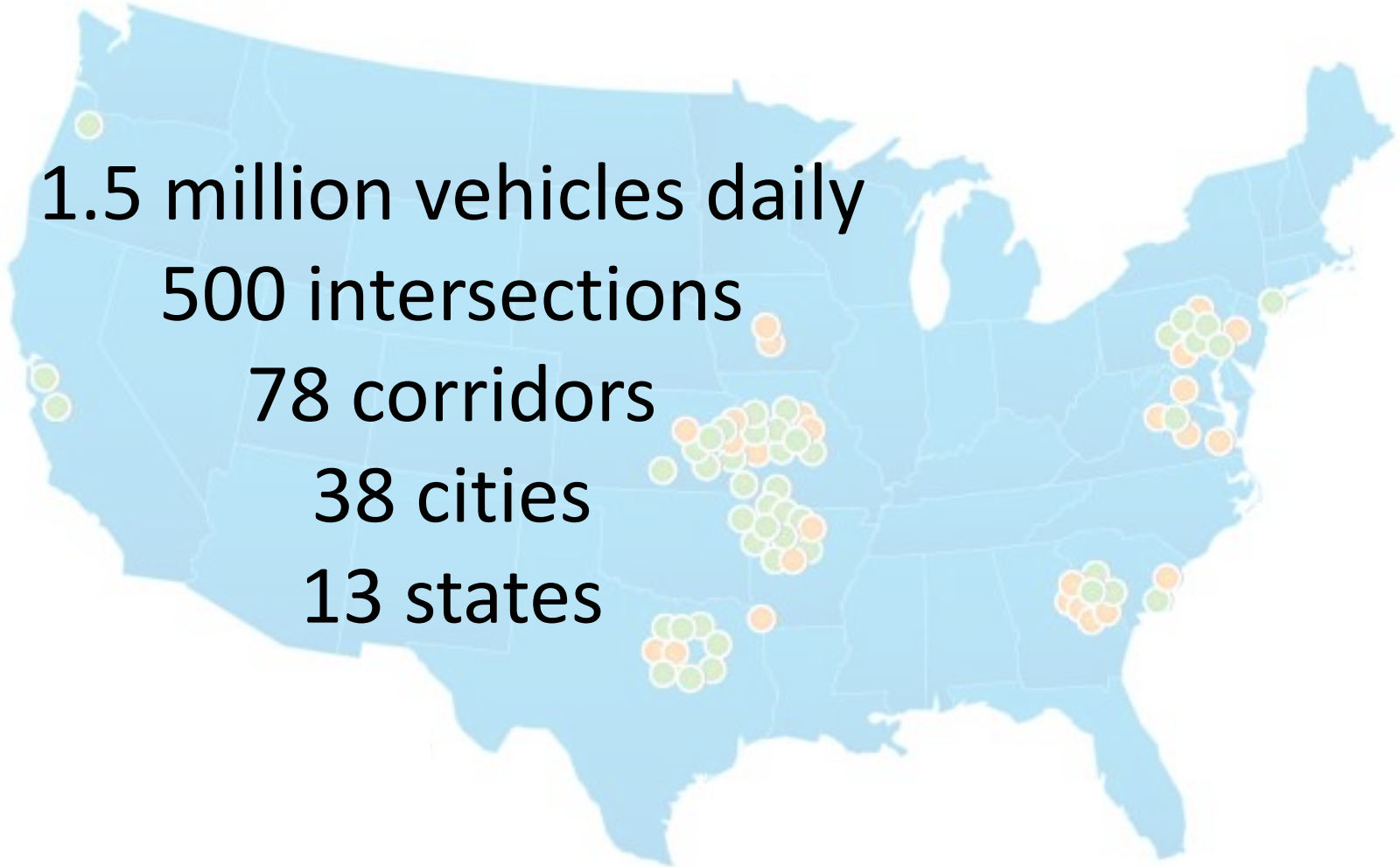
1.5 million vehicles daily

500 intersections

78 corridors

38 cities

13 states

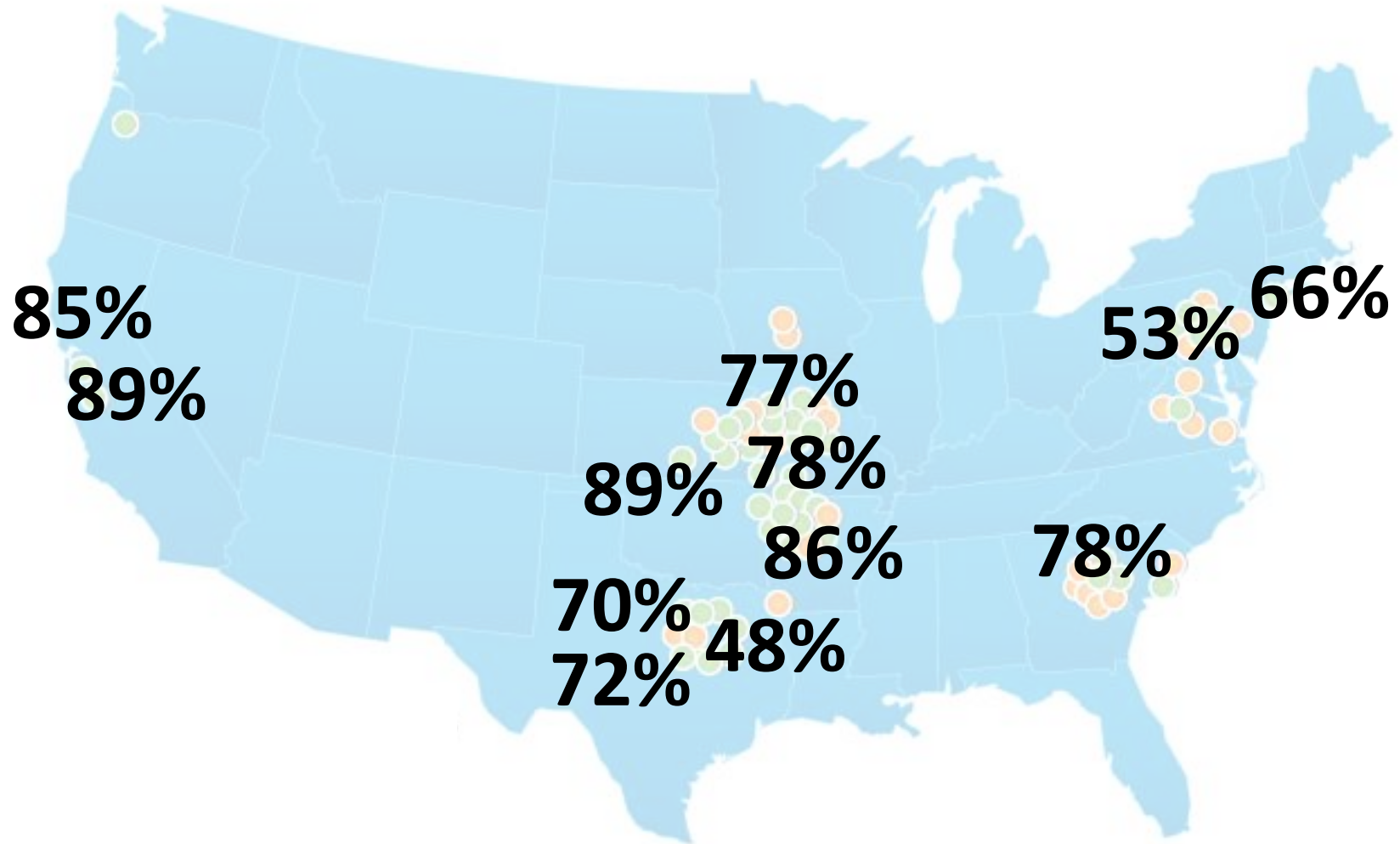


[Facts] Management before InSync





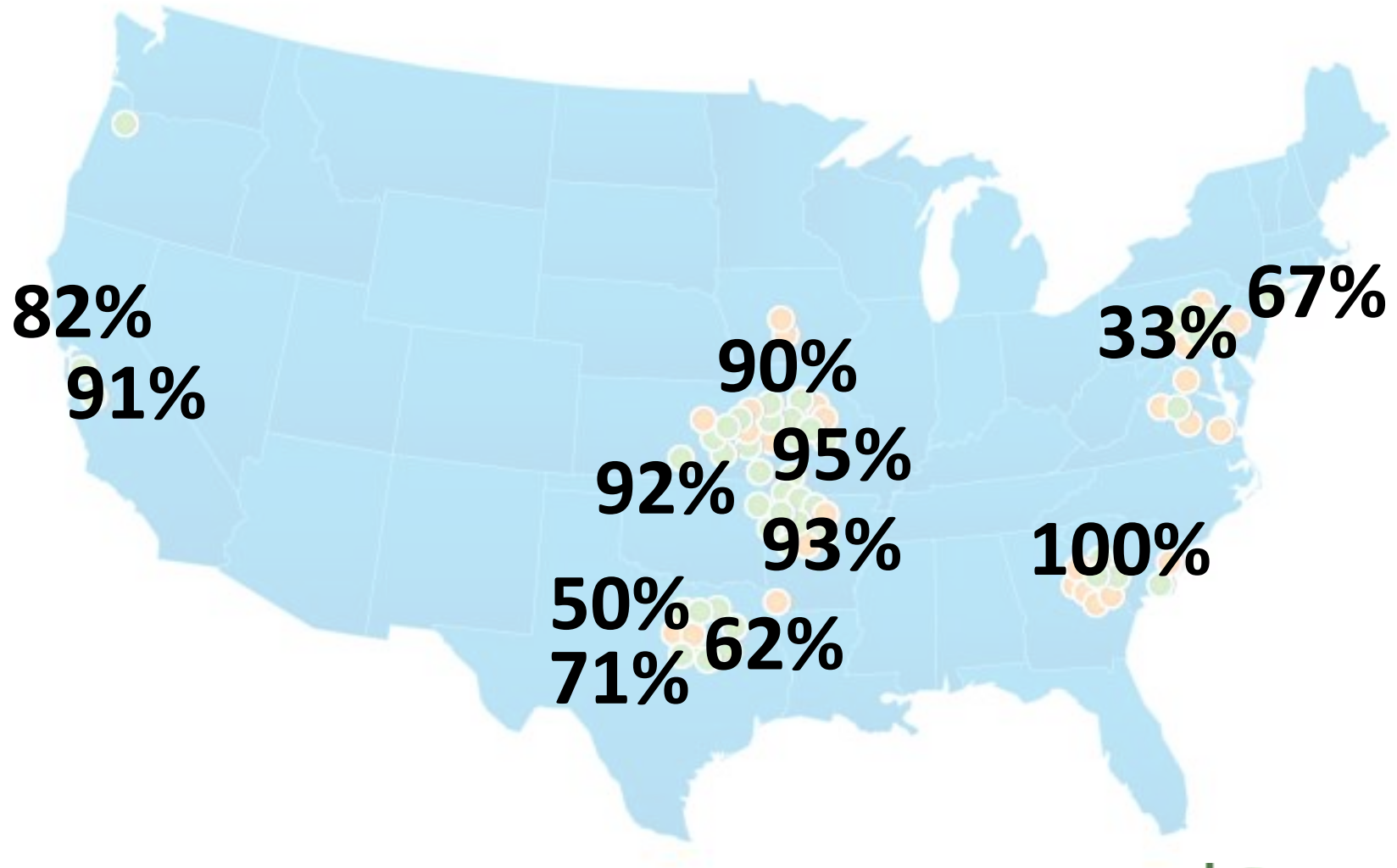
[Facts] Peak delay reductions



Best peak time results



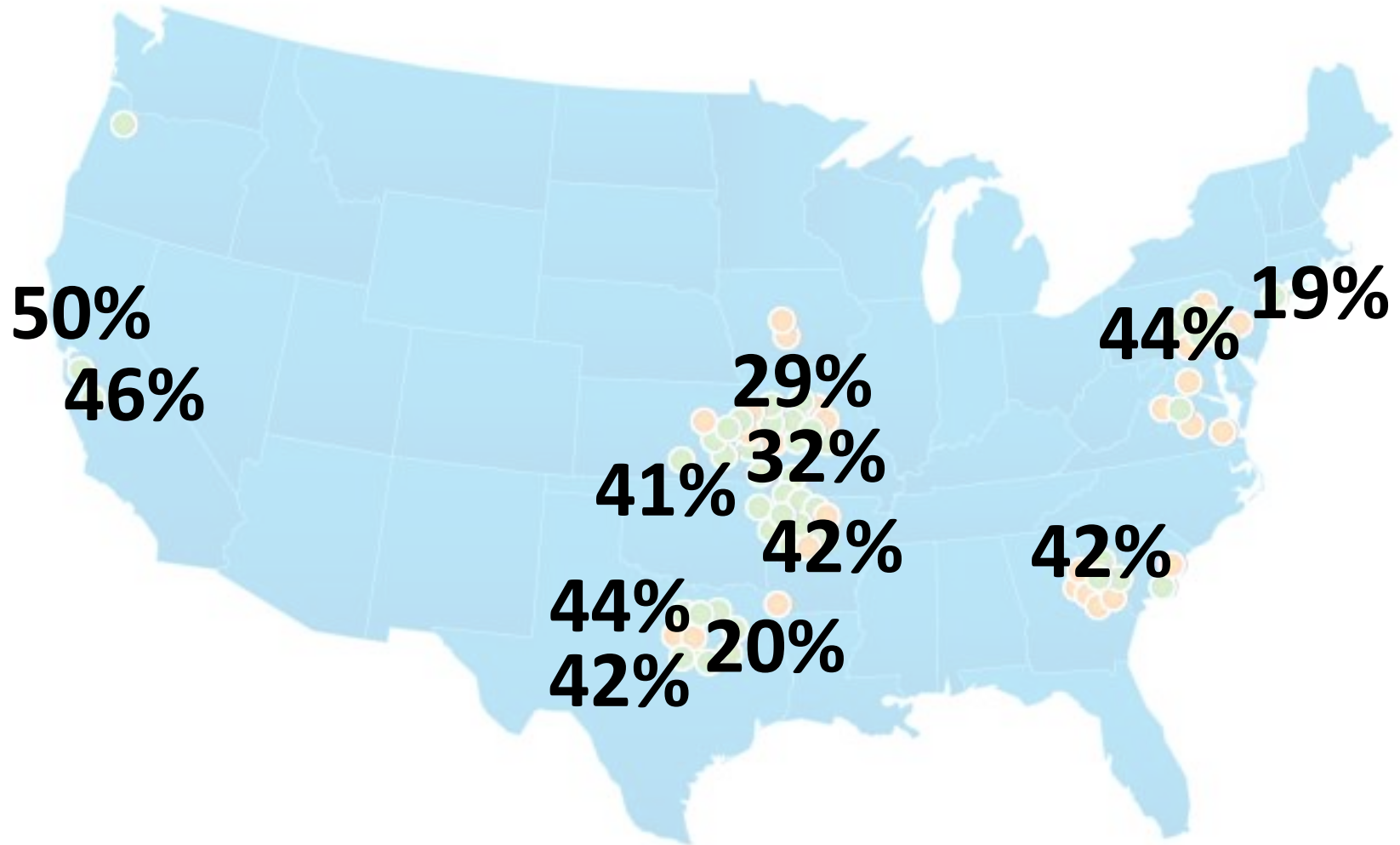
[Facts] Peak stop reductions



Best peak time results



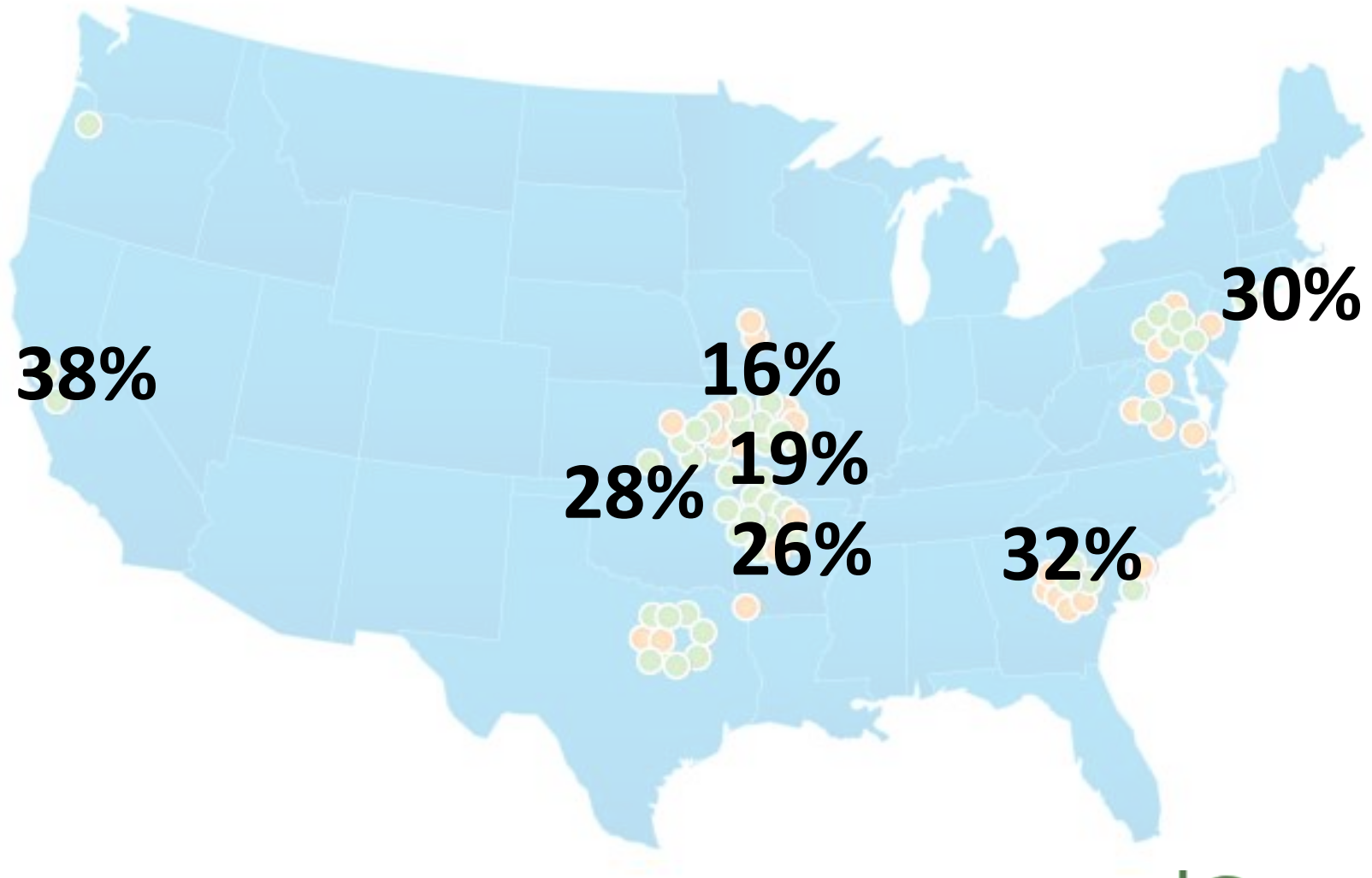
[Facts] Peak travel time reduction



Best peak time results



[Facts] Peak fuel reduction

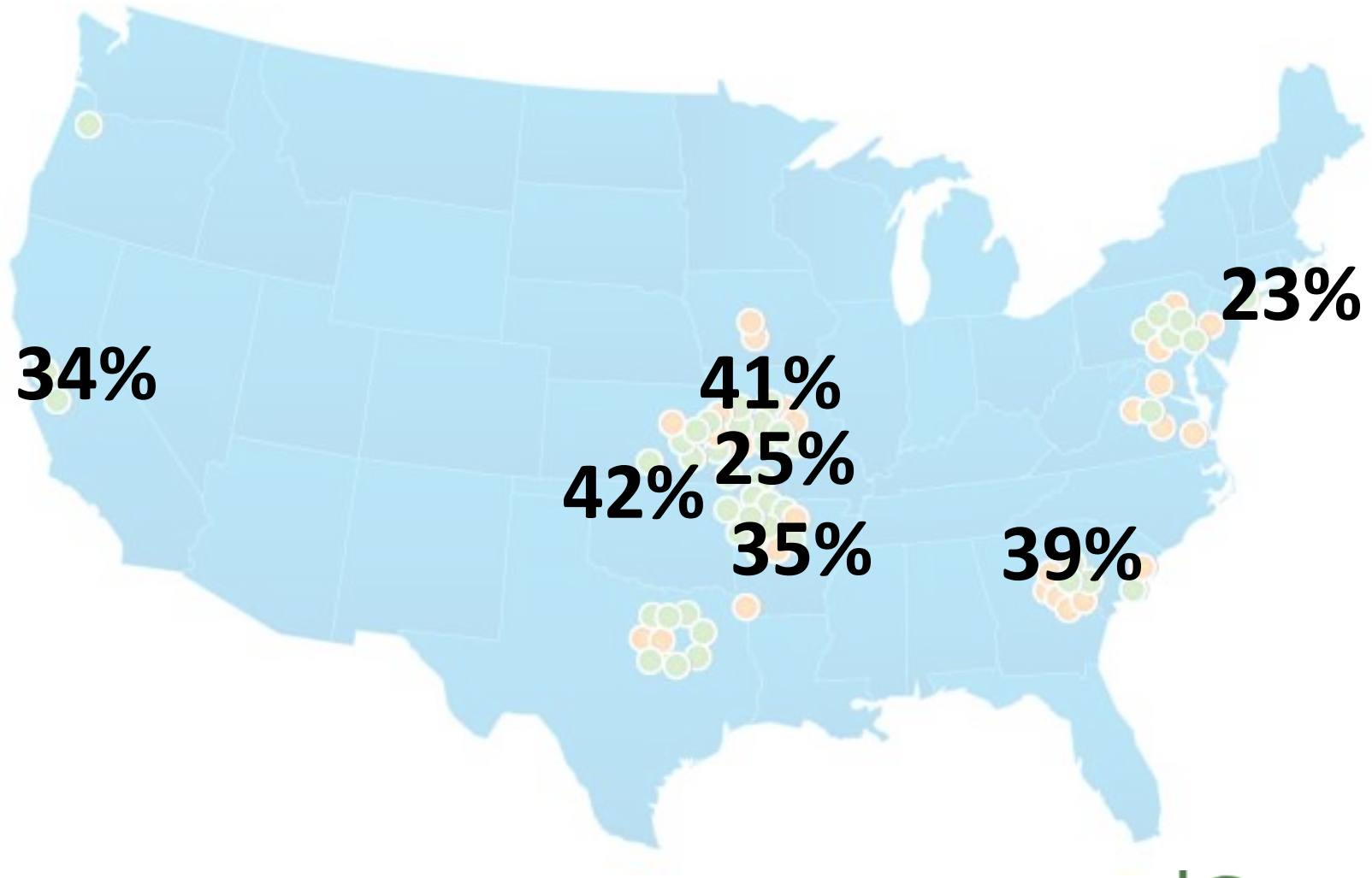


Best peak time results

In|Sync®



[Facts] Peak emissions reduction



Best peak time results

[Facts] Crash reductions



17%

Source: Lee's Summit, MO
Police Department

30%

Source: Springdale, AR
Police Department



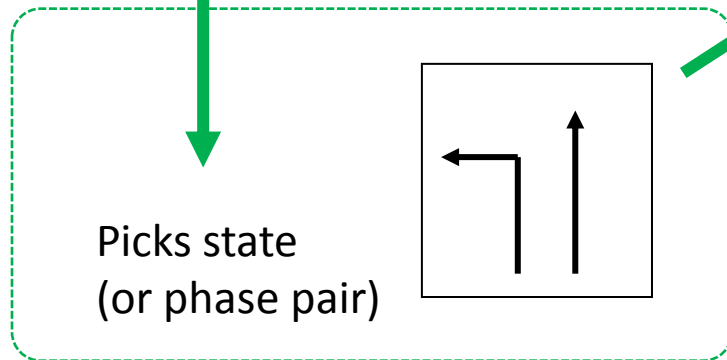
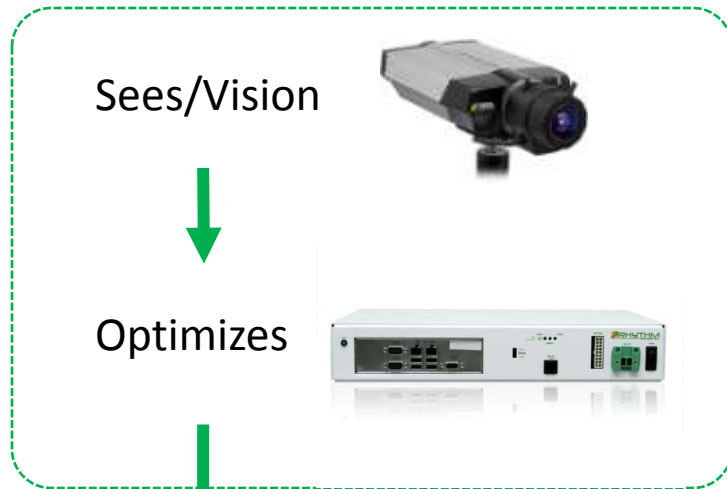
How does it work?







State machine



Inputs
detector
calls



Washington and N Belair Rd - TraVis - Windows Internet Explorer

http://10.65.104.40/?user_login=VIEW&user_password=view

Washington and N Belair Rd - TraVis

RHYTHM ENGINEERING

Log Off Help

Cameras Statistics

Standard View 2 FPS Pause

North Bound (day) 1/17/11 12:14:46 150
phase 8: 2/7, 0.29
CUTOFF 17:13
EBThru_WBThru 14:43:15:27:0
EBThru_EBLeftTurn 15:27:15:58:0
EBLeftTurn_WBLeftTurn 15:58:16:12:0
Market Place_Bollinger 0.90/4256:30

East Bound (day) 1/17/11 12:14:48 150
phase 2: 8/9, 0.89 CALL 38/44 20 [s] to START <12:15:08> 19
phase 5: 0/9, 0.00
CUTOFF 17:13
EBThru_WBThru 14:43:15:27:0
EBThru_EBLeftTurn 15:27:15:58:0
EBLeftTurn_WBLeftTurn 15:58:16:12:0
Market Place_Bollinger 1.26/4256:30

South Bound (day) 1/17/11 12:14:50 150
phase 4: 0/3, 0.00
CUTOFF 17:13
EBThru_WBThru 14:43:15:27:0
EBThru_EBLeftTurn 15:27:15:58:0
EBLeftTurn_WBLeftTurn 15:58:16:12:0
Market Place_Bollinger 1.75/4256:30

West Bound (day) 1/17/11 12:14:49 150
phase 6: 4/13, 0.31 CALL 37/44 3 [s] to START <12:14:52> 74
phase 11: 2/13, 0.15
CUTOFF 17:13
EBThru_WBThru 14:43:15:27:0
EBThru_EBLeftTurn 15:27:15:58:0
EBLeftTurn_WBLeftTurn 15:58:16:12:0
Market Place_Bollinger 1.42/4256:30

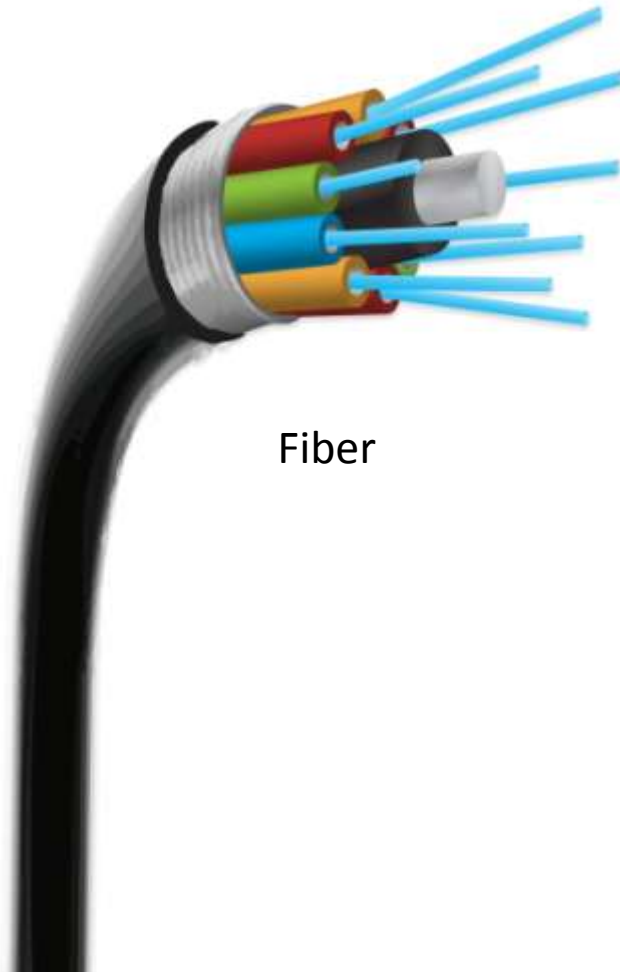
v1.1843

(1 item remaining)

Internet 100%



Twisted pair of copper



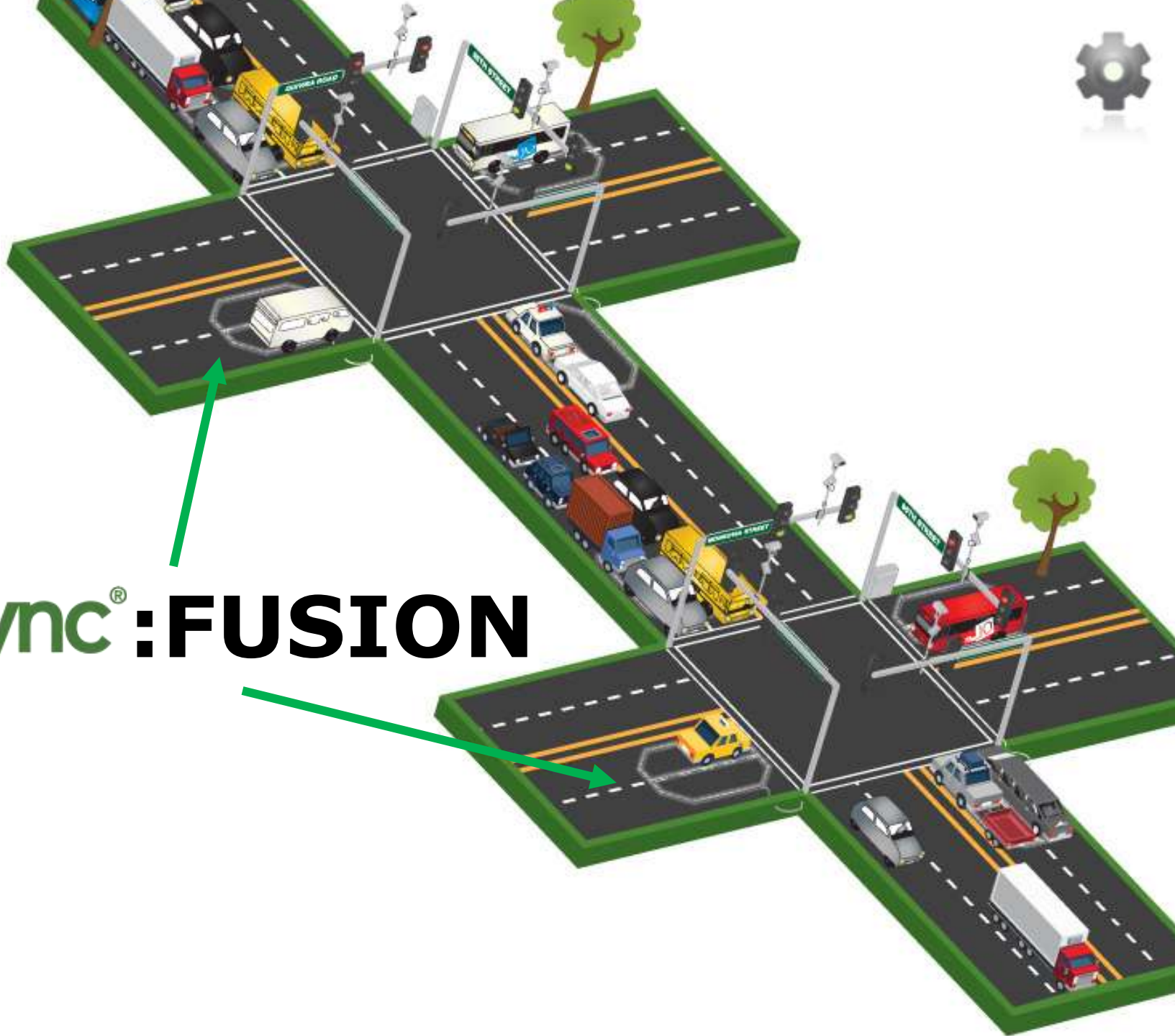
Fiber



Wireless



In|Sync[®]: FUSION







Failure mitigation:

- Loss of video detection
= historical data used (and InSync:Fusion)
- Loss of communications
= no change (intelligence is local)
- Loss of processor
= detection sends calls to controller,
controller can roll back to plans



Optimization:

Local: Main street, side streets, turns

+ Queue

+ Delay

= Priority

Global: coordinates desired progression

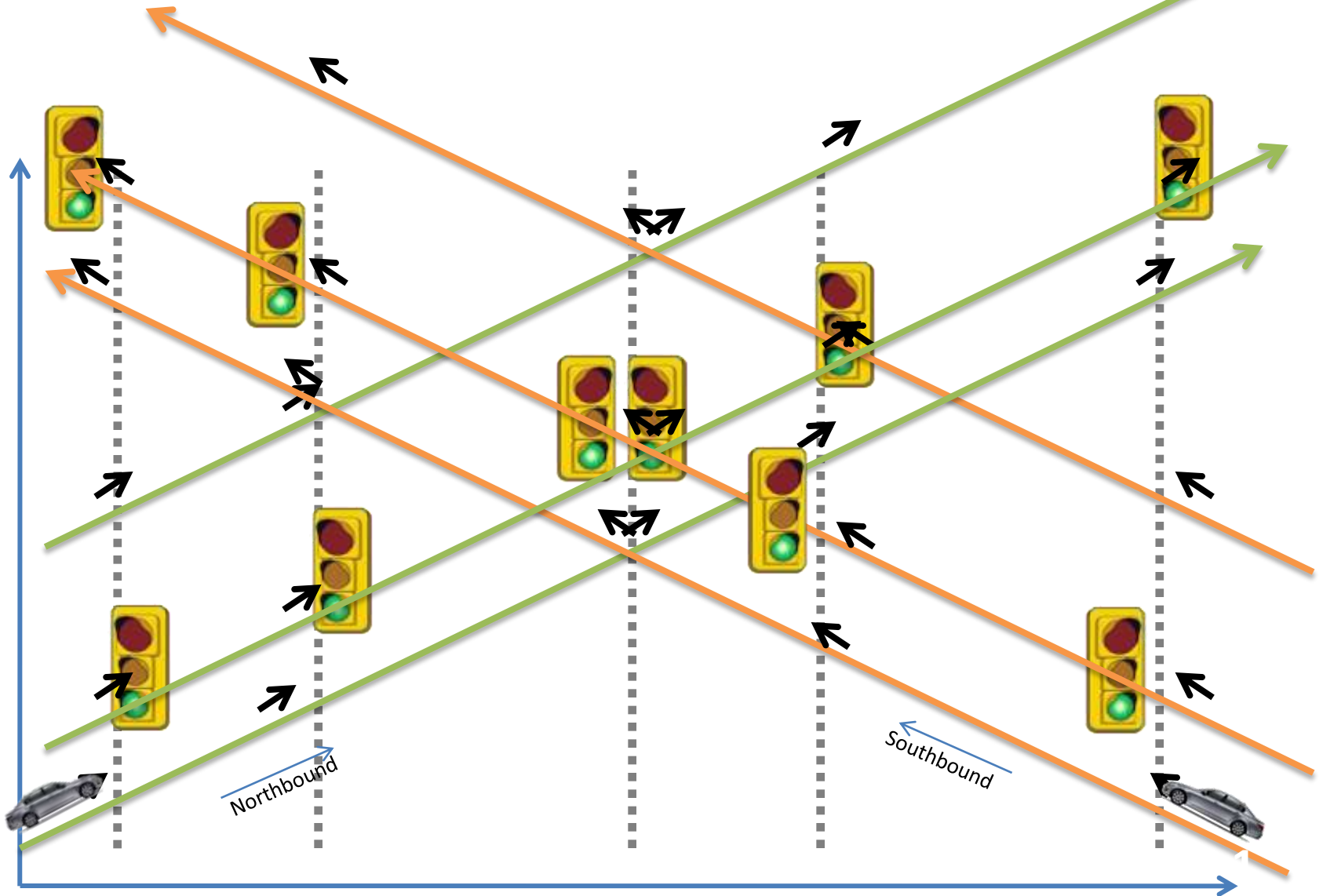


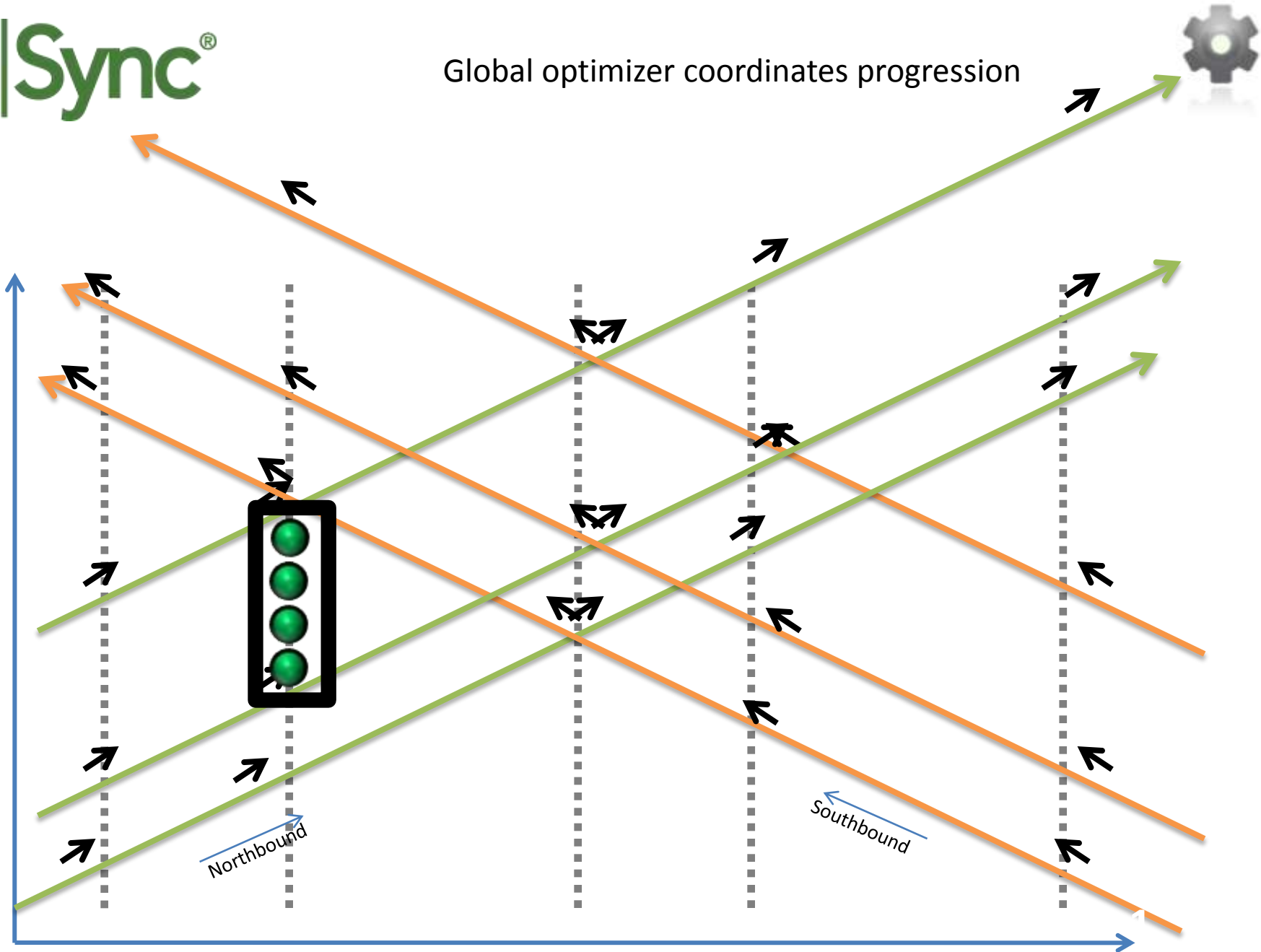
Intersection: RT 29_Cedar Run

Camera: South Bound

version 1.33



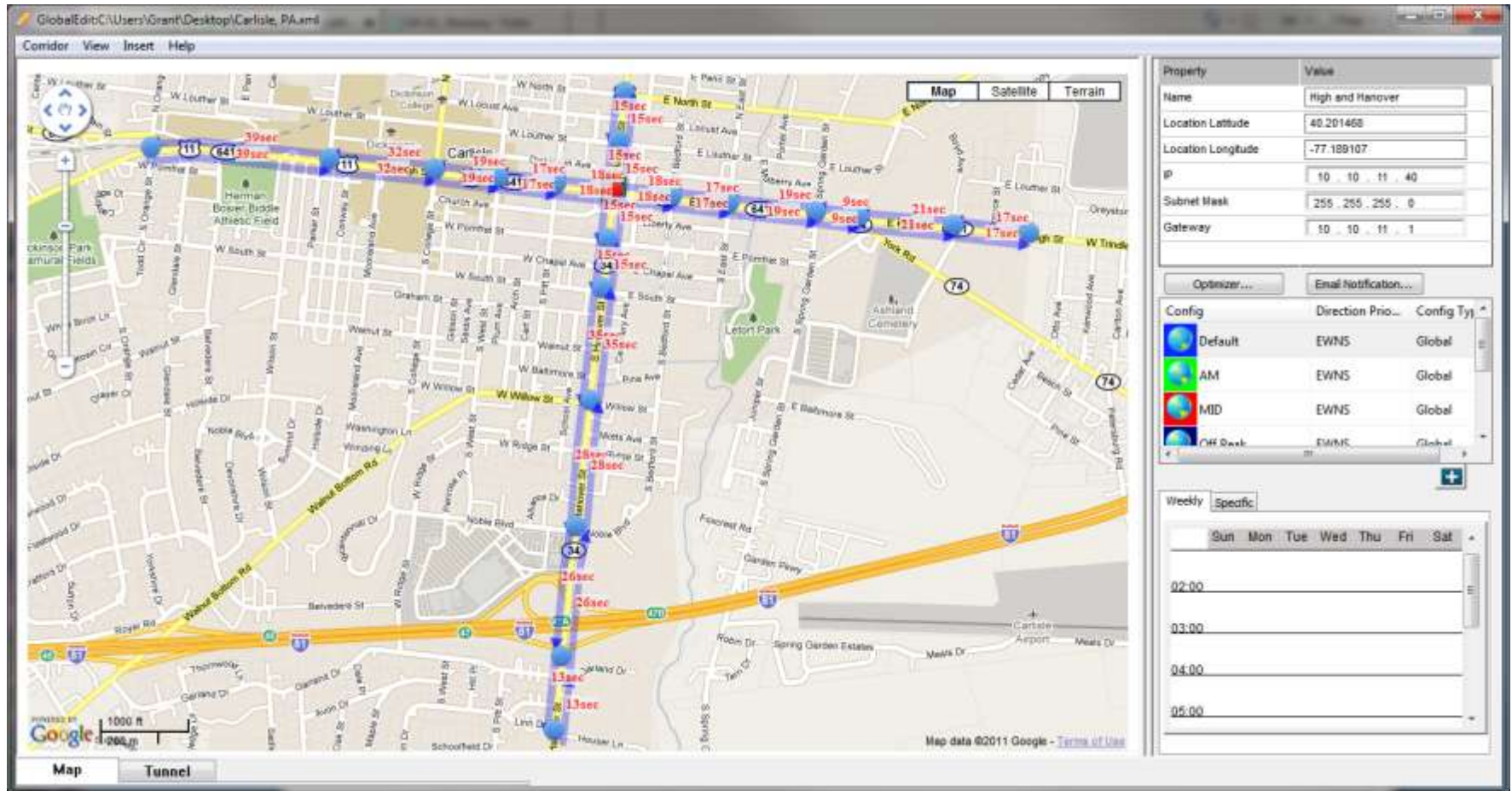




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CentralSync®























Edit Permitted States

State	Permitted	Start Even if Empty
North Bound Left Turn, South Bound Left Turn	 <input checked="" type="checkbox"/>	<input type="checkbox"/>
North Bound Through, South Bound Through	 <input checked="" type="checkbox"/>	<input type="checkbox"/>
South Bound Through, South Bound Left Turn	 <input checked="" type="checkbox"/>	<input type="checkbox"/>
North Bound Through, North Bound Left Turn	 <input checked="" type="checkbox"/>	<input type="checkbox"/>
East Bound Left Turn, West Bound Left Turn	 <input checked="" type="checkbox"/>	<input type="checkbox"/>
East Bound Through, West Bound Through	 <input checked="" type="checkbox"/>	<input type="checkbox"/>
West Bound Through, West Bound Left Turn	 <input checked="" type="checkbox"/>	<input type="checkbox"/>
East Bound Through, East Bound Left Turn	 <input checked="" type="checkbox"/>	<input type="checkbox"/>

OK Cancel

Edit Permitted Sequences

North South Lead	 <input checked="" type="checkbox"/>
North South Lead North Overlap	 <input checked="" type="checkbox"/>
North South Lead South Overlap	 <input checked="" type="checkbox"/>
North South Lag	 <input type="checkbox"/>
North South Lag North Overlap	 <input type="checkbox"/>
North South Lag South Overlap	 <input type="checkbox"/>
South Lead North Lag	 <input type="checkbox"/>
North Lead South Lag	 <input type="checkbox"/>
East West Lead	 <input checked="" type="checkbox"/>
East West Lead East Overlap	 <input checked="" type="checkbox"/>
East West Lead West Overlap	 <input checked="" type="checkbox"/>
East West Lag	 <input type="checkbox"/>
East West Lag East Overlap	 <input type="checkbox"/>
East West Lag West Overlap	 <input type="checkbox"/>
West Lead Lag East	 <input type="checkbox"/>
East Lead Lag West	 <input type="checkbox"/>

OK Cancel



San Ramon Valley Blvd_Crow Canyon Road - TMC Statistics - Windows Internet Explorer

http://192.168.11.115/index.php?t=stats

Google Search More >> chrisl...

Google Web Slice Gallery iGoogle installations:san... San Ramon ...

Configure Cameras Statistics

TRAFFIC DATA STATISTICS

From : 05/17/2011 12:00 AM To : 05/17/2011 11:45 PM

☒ Vehicle Count

☐ Stop Delay

☐ Level of Service

6 1
☒ ☒

3 4
☒ ☒

8 7
☒ ☒

5 2
☒ ☒

All

GRAPH TABLE EXCEL TEXT RESET

Internet | Protected Mode: On 125%



Email Notifications

☒ Enable email notifications

Email Subscribers

SMTP Settings

Subscribers:

Add


Delete

Grant Niehus
 Deb Fehr
 Mike Talley
 JB

Subscribed notifications:

☒ StartUp
☒ ShutDown
☐ FogMode
☒ UnresponsiveCamera
☒ OptimizerDistress
☐ OptimizerCovering
☐ UndeliverableMessages
☐ NotReceivingTunnelMessages
☒ LightNotResponding
☐ PedestrianButtonStuck
☐ DeadIOBoard
☒ LightInFlash
☐ NoPeriod

Email Recipient

Name:
 Email address: 
 Email format: ☐ SMS (short) ☒ Standard

Send Test Email

Active Times

Days: ☒ Sun ☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☒ Sat

Notification Settings

Delay between emails in seconds:
☒ Every time
☐ When occurs times in seconds
☐ When occurs continuously for seconds

OK

Cancel



Intelligently full-actuated intersections
plus progression on the main line

**Benefits equal to several times those
of any other signal solution**

Get details, download full studies,
contact InSync users and contact us:
www.RhythmTraffic.com