

Watch Your Signal

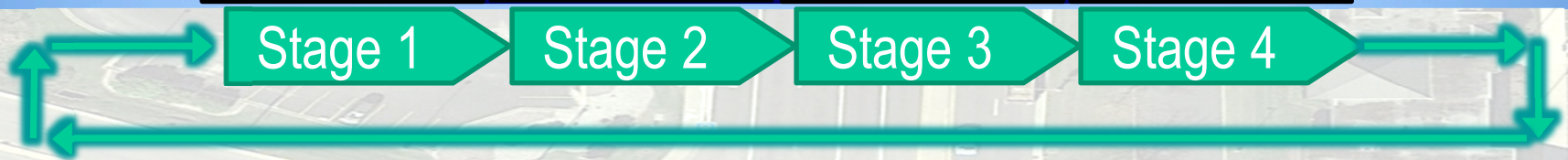
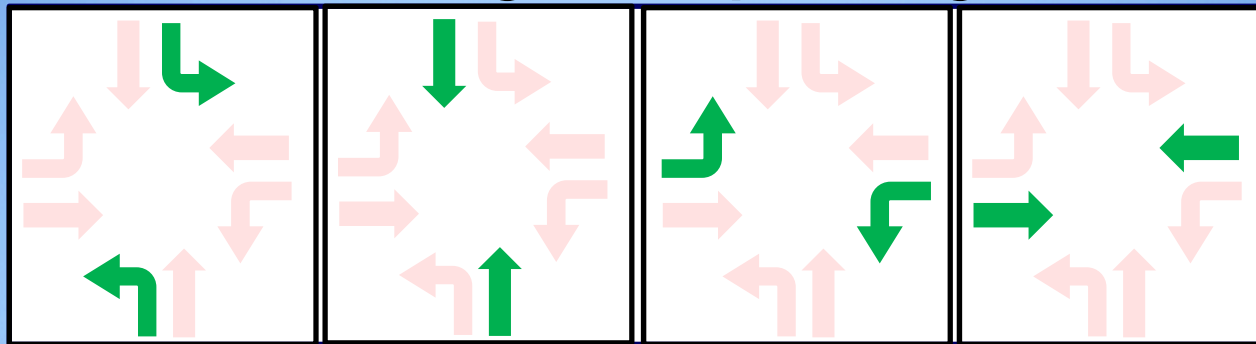
Kane County Division of Transportation (KDOT)

June 18th 2019

Presented by: Stephen Zulkowski, P.E., PTOE

Watch Your Signal

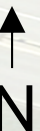
- Traditional Traffic Signal Sequencing



- We have **BETTER** Options

Randall

IL 38



Watch Your Signal

Two Projects are related to this discussions.

- Upcoming Adaptive Traffic Signal Project
 - Randall Road between Big Timber Road to Huntley Road

Late 2020

- Upcoming Signal Re-Timing (Re-Optimization)
 - Randall Road between Fabyan Parkway to Silver Glen Road

Mid 2019

- We have **BETTER** Options

Watch Your Signal

- What is the **BETTER** Option?

Consider alternatives in signal sequences

Reduce average motorist delay by 5 to 10%

Used by IDOT and other State DOTs

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- What is the **BETTER** Option?

Consider alternatives in signal sequences

Reduce average motorist delay by 5 to 10%

Used by IDOT and other State DOTs

- **What would change?**

The Green Left Turn Arrow will not ALWAYS come up first

Watch Your Signal

- What is the **BETTER** Option?

Consider alternatives in signal sequences

Reduce average motorist delay by 5 to 10%

Used by IDOT and other State DOTs

- What would change?

The Green Left Turn Arrow will not ALWAYS come up first

- Where would this be implemented?

Only where an Alternative Sequence is more effective at reducing delay

Watch Your Signal

- **What is the BETTER Option?**

Consider alternatives in signal sequences

Reduce average motorist delay by 5 to 10%

Used by IDOT and other State DOTs

- **What would change?**

The Green Left Turn Arrow will not ALWAYS come up first

- **Where would this be implemented?**

Only where an Alternative Sequence is more effective at reducing delay

- **Why Now?**

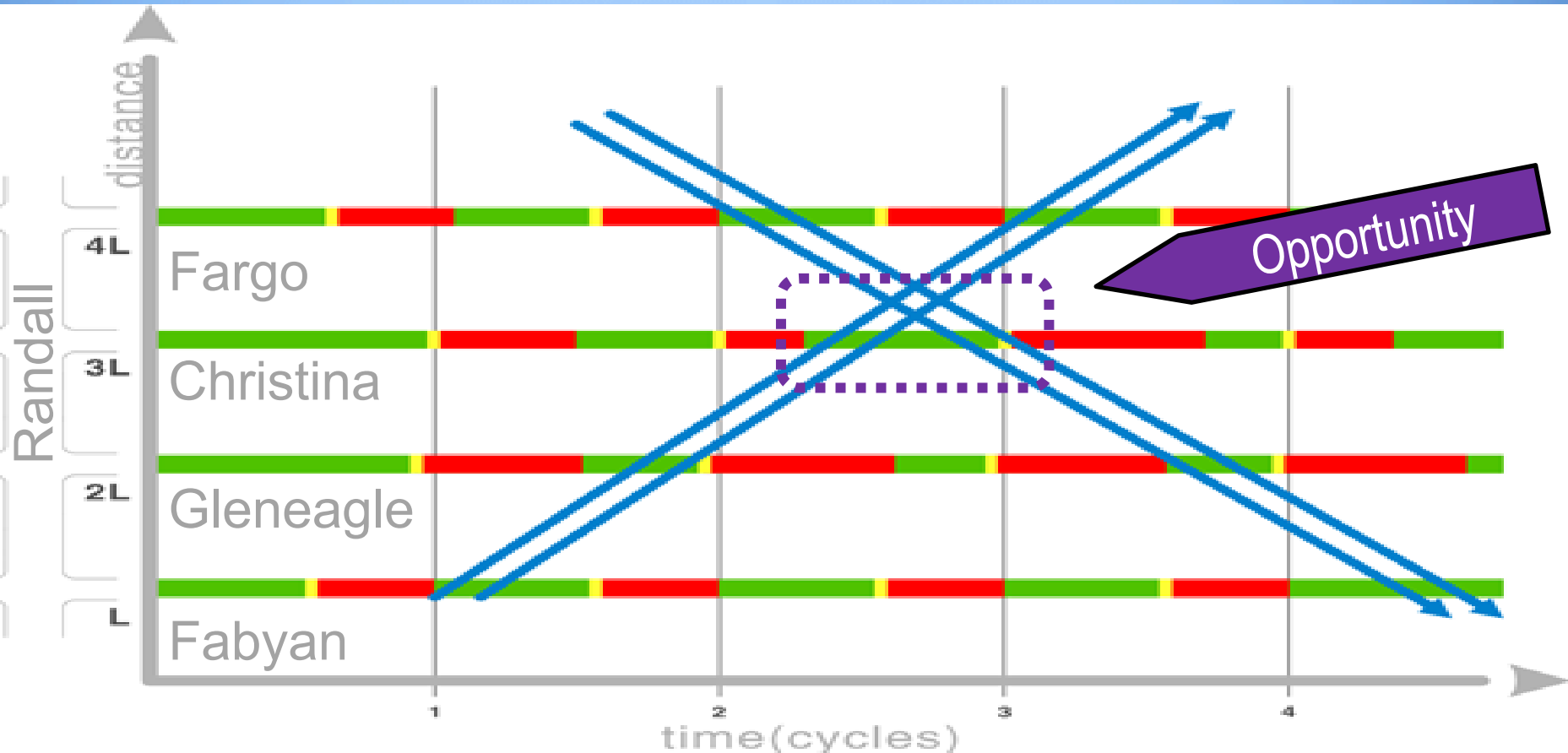
Upcoming Projects (Adaptive, Flashing Yellow)

Increasing Congestion

Increased Monitoring Capability (at KDOT AOC)

Watch Your Signal

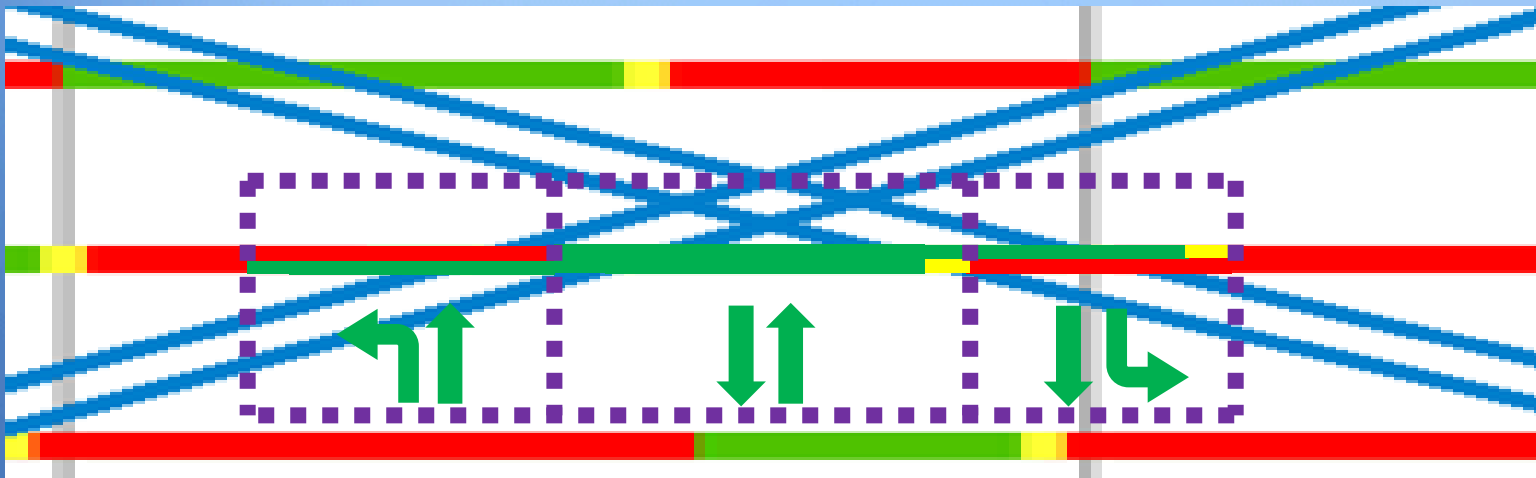
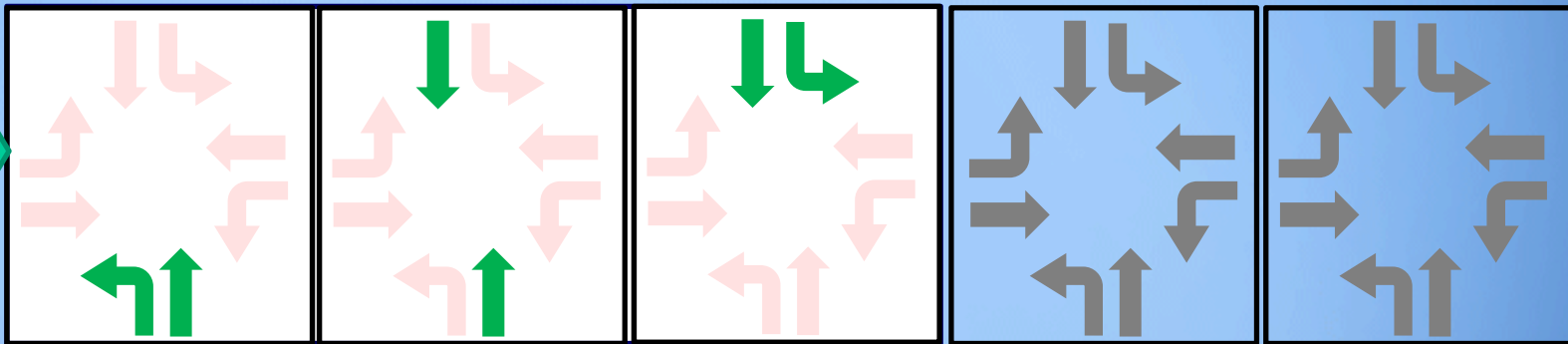
- What is the **BETTER** Option (more details):
Better Coordinated Traffic Flows
Mitigate Factors (Volumes, Geometrics, Intersection Spacing, etc.)



Watch Your Signal

- What is the **BETTER** Option (more & more, details):
Better Coordinated Traffic Flows
Mitigate Factors (Volumes, Geometrics, Intersection Spacing, etc.)

Lead, Lag
Sequence
Example



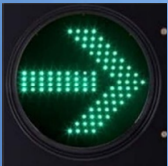
Fargo

Christina

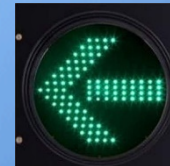
Gleneagle

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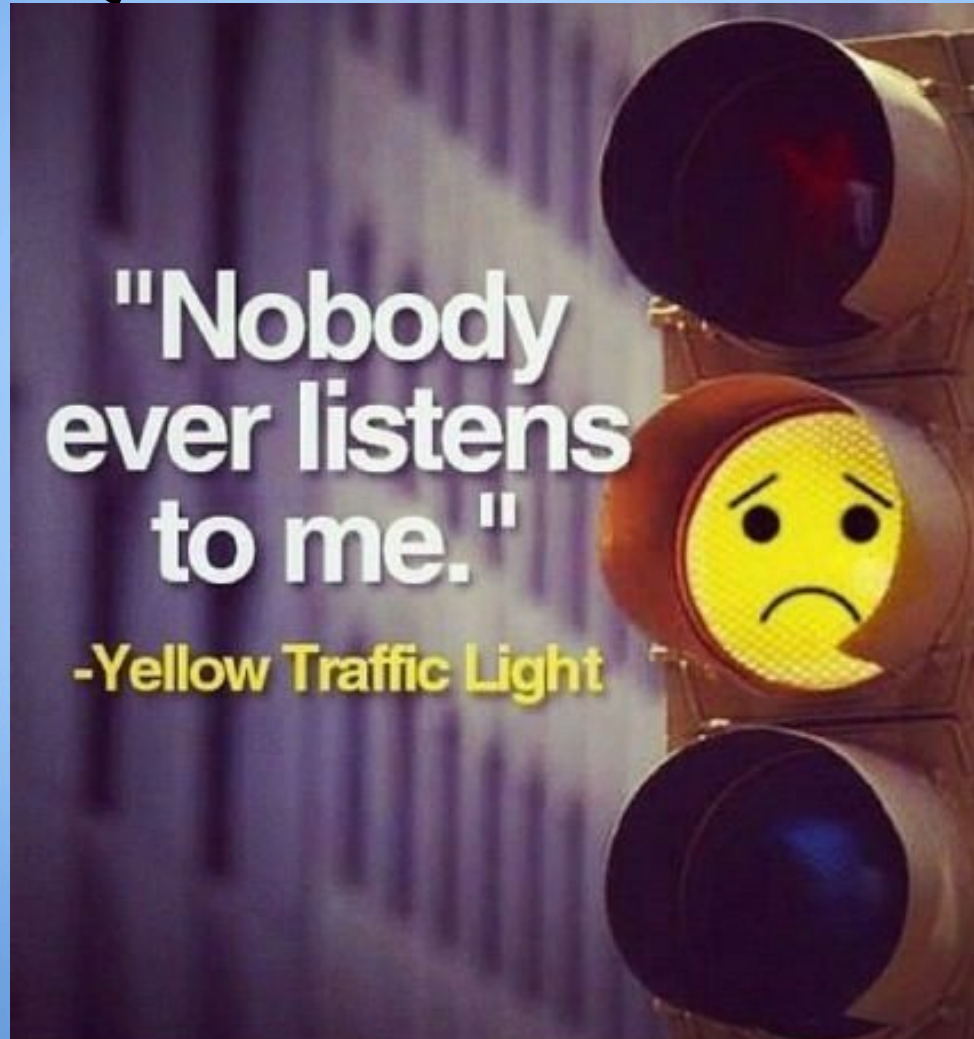
- Division of Transportation (KDOT) Intentions:
 - To begin exploring these options
 - To implement the best solutions (for safety and efficiency)
- Prior to initial project implementations:
 - Press Release + Kane County Connect
 - Changeable Message Boards
 - Social Media Posts
- The ONE thing to remember from today:



WATCH YOUR SIGNAL



Questions?



"Nobody
ever listens
to me."

-Yellow Traffic Light