

TRAFFIC CONTROL BOARD MINUTES

September 26, 2018

APPROVED UNANIMOUSLY

MEMBERS PRESENT: Jerry Dunning, Nicole Cromwell, John Armstrong, Dan Brooks

MEMBERS ABSENT: Todd Cormier, Sondra Baker, Lt. Brain Korell

STAFF SUPPORT: Dakota Martonen, Erin Claunch, Mike Dotson, Debi Meling

GUESTS: None

BUSINESS MEETING:

Call to order: Jerry Dunning called the meeting to order at 12:02 pm in the conference room of the Public Works Building, 2224 Montana Avenue.

Introductions: There has been recent turnover among staff and board members. Pierre Jomini resigned and John Armstrong filled his position. Ron Alles resigned and Nicole Cromwell filled his position. Accordingly, members and staff introduced themselves asked what they do on the board and what do they expect to get out of the board meetings.

Minutes: Motion by Jerry Dunning for approval of the July 2018 minutes. Seconded by Dan Brooks. Motion carried on a voice vote.

OPEN PUBLIC COMMENT: None

STAFF REPORTS:

- Erin invited the members to a Boards and Commissions Volunteer Appreciation Dinner (October 25th, 6 pm).

BOARD REPORTS:

- Erin reported on behalf of Lora that the Long Range Transportation Plan is still in progress. Drafts of the chapters are being submitted/reviewed, and a final completion date is scheduled for November. Projects are being identified and determined for fiscal constraint. A local Travel Demand Model and Public Participation Plan are being created in conjunction with LRTP, and is following the same timeline.

REPSONSES TO BOARD INQUIRES:

- Nicole Cromwell asked about why the intersecting streets on the east side of Pioneer Park on 3rd St W curbs aren't painted yellow and the west side curbs are. Staff will look into the issue for discussion at a later meeting.

OLD BUSINESS:

- **King Avenue West & 20th Street West right turn lane:** Montana Department of Transportation (MDT) responded via letter and stated that any modifications to the intersection should pertain to the

intersection in its entirety, and not just one movement. MDT would consider an intersection project to address capacity issues as funding became available. The project has been identified within the LRTP.

- **King Avenue West & 24th Street West overhead signing:** *(nothing to report at this time)*

NEW BUSINESS:

1. **Traffic Signal upgrade corridor priorities:** Erin gave a presentation on the City's current traffic signals which are out dated and the process of replacing the signals that is underway. The presentation included information on the signal software/hardware being used on updated traffic signals and the capabilities of the new technology. Corridors were broken down into three categories: previously upgraded, committed/currently being upgraded, and future corridors to be upgraded. Part of the upgrade project will require the use of a communications tower at Yellowstone Kelly Grave. This will allow for communication between the traffic signals in the Heights and the signal operation server. City staff is seeking Board recommendations for the priority of timing for the upcoming signal corridors. See the attached slides of the presentation for more details.
 - a. John asked if the new components fit into the old controller cabinets. The City is trying to reuse as much existing equipment as possible. The existing cabinets will be reused to incorporate the new controller equipment where possible. However, some controller cabinets are being replaced as part of this project.
 - b. Dan asked if the new technology will allow for better operations. The new fish eye cameras being used for detection increase the level of traffic detection and allow for much more efficient operations than is available on the old equipment. The new controllers and detection will allow for "real-time" analysis of the signal operations that can identify existing deficiencies automatically and alert staff to maintenance needs. The overall system then becomes more self-reliant and allows for more efficient operations.
 - c. Nicole asked if fire or police have access to the new system to change the lights during an emergency. Emergency pre-emption is currently installed on all fire trucks. This system emits a signal that is detected by the signal controllers to convert the signals to the appropriate green signal to aid in passing of fire engines. This system is in place today, and will be continued with the new signal controllers. It was noted that Police vehicles do not have the emergency pre-emption, only Fire trucks.
 - d. The Board requested that a survey/poll be sent to individual members such that a comprehensive tally could be taken for each of the corridors. The resultant tally would represent the Board's recommendation for the priority on corridors to be upgraded. The results of the survey will discussed at the next Board meeting.

2. **November/December Meeting:** Members and staff scheduled a December 12th meeting. A reminder mail will be sent out a week before.

ADJOURNMENT:

The meeting was adjourned at 1:06 pm.



Traffic Control Board

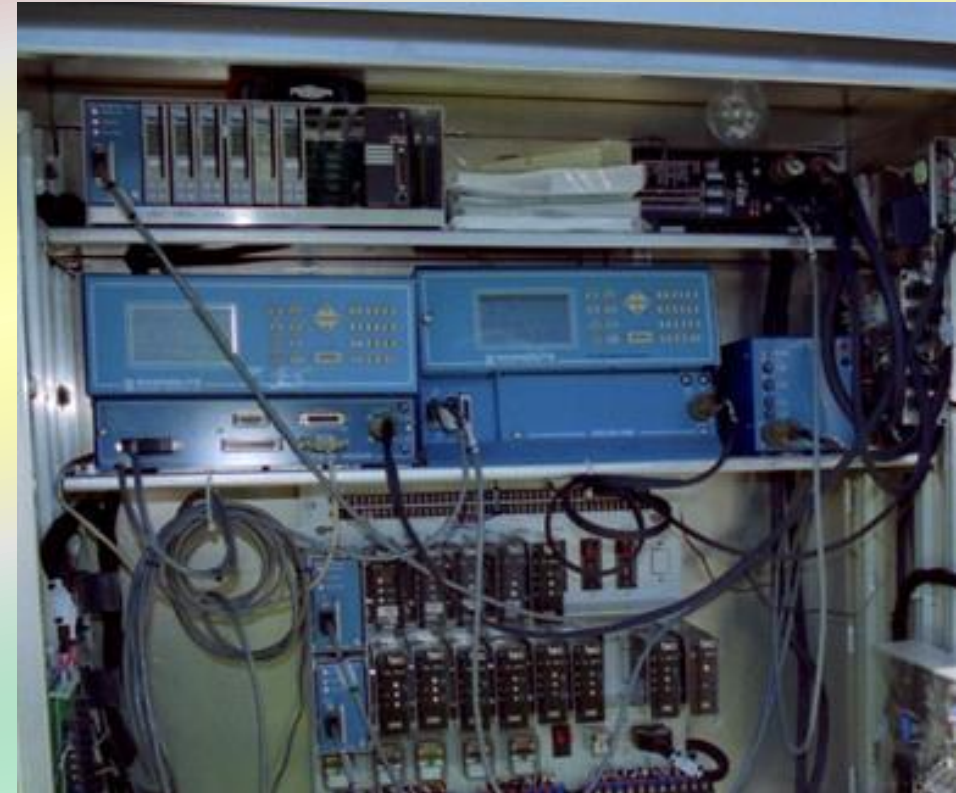
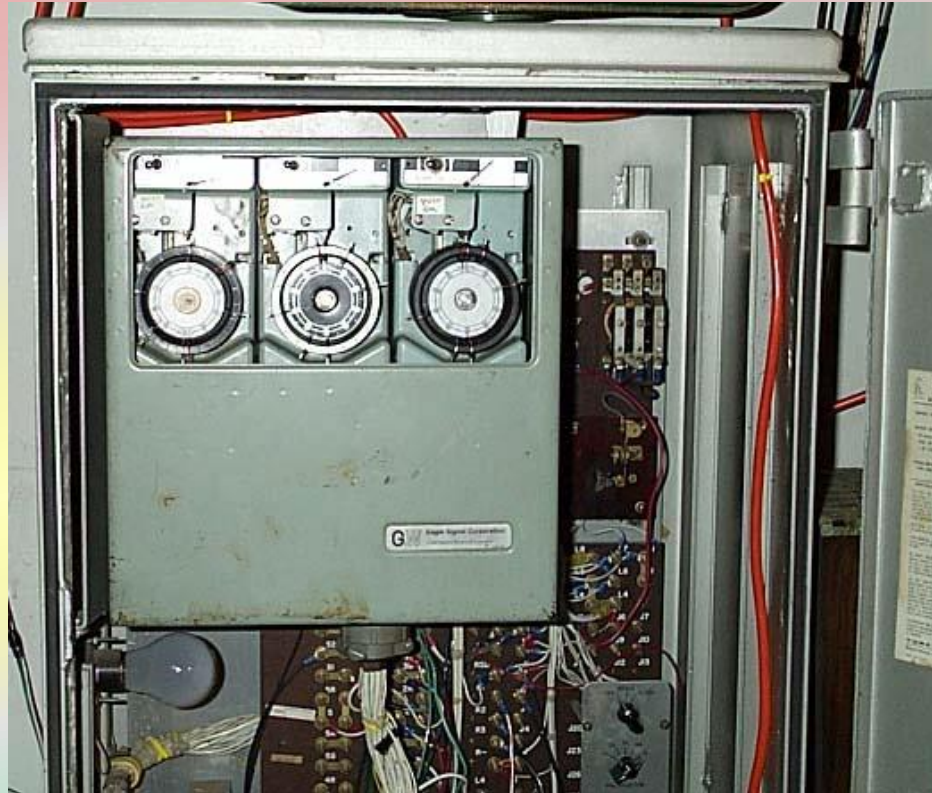
September 26, 2018

Traffic Signal Upgrades



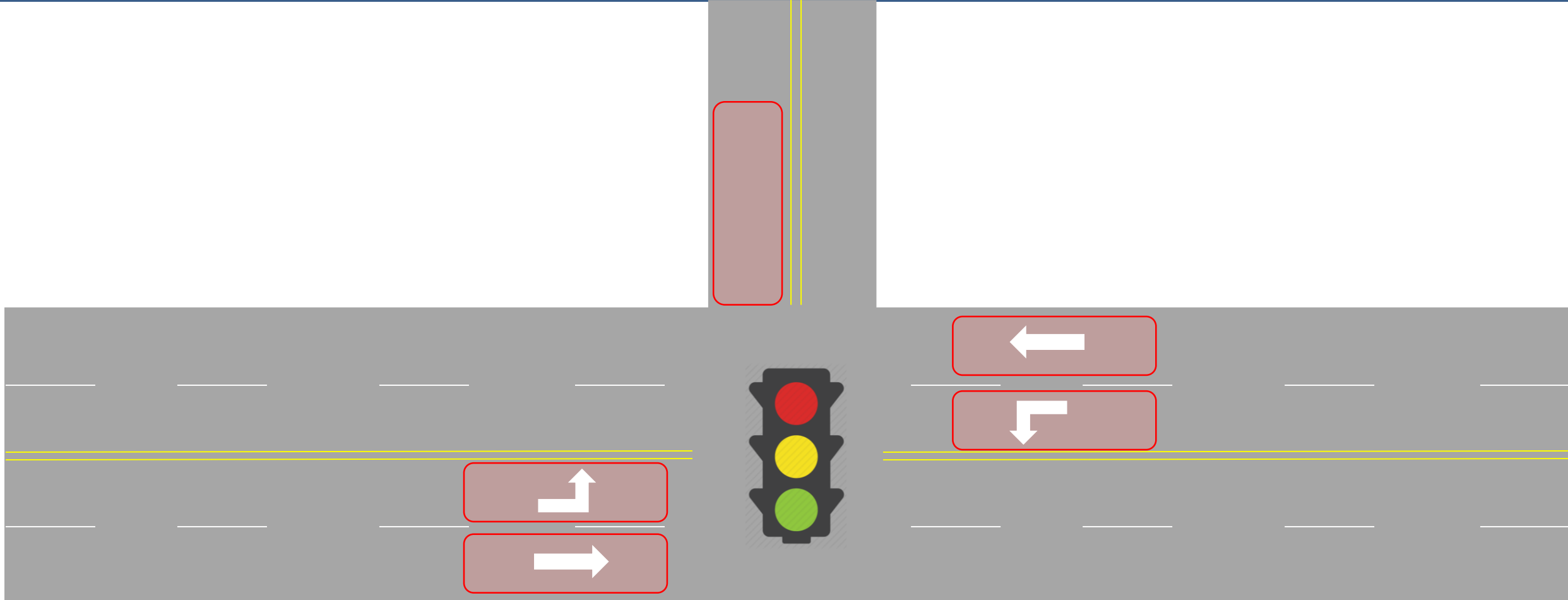
- Upgrade Process/Background
 - Controllers
 - Detection
 - Communication
- Previously upgraded corridors
- Corridors underway
- Future Corridors
- Board recommendations?

Old versus new...



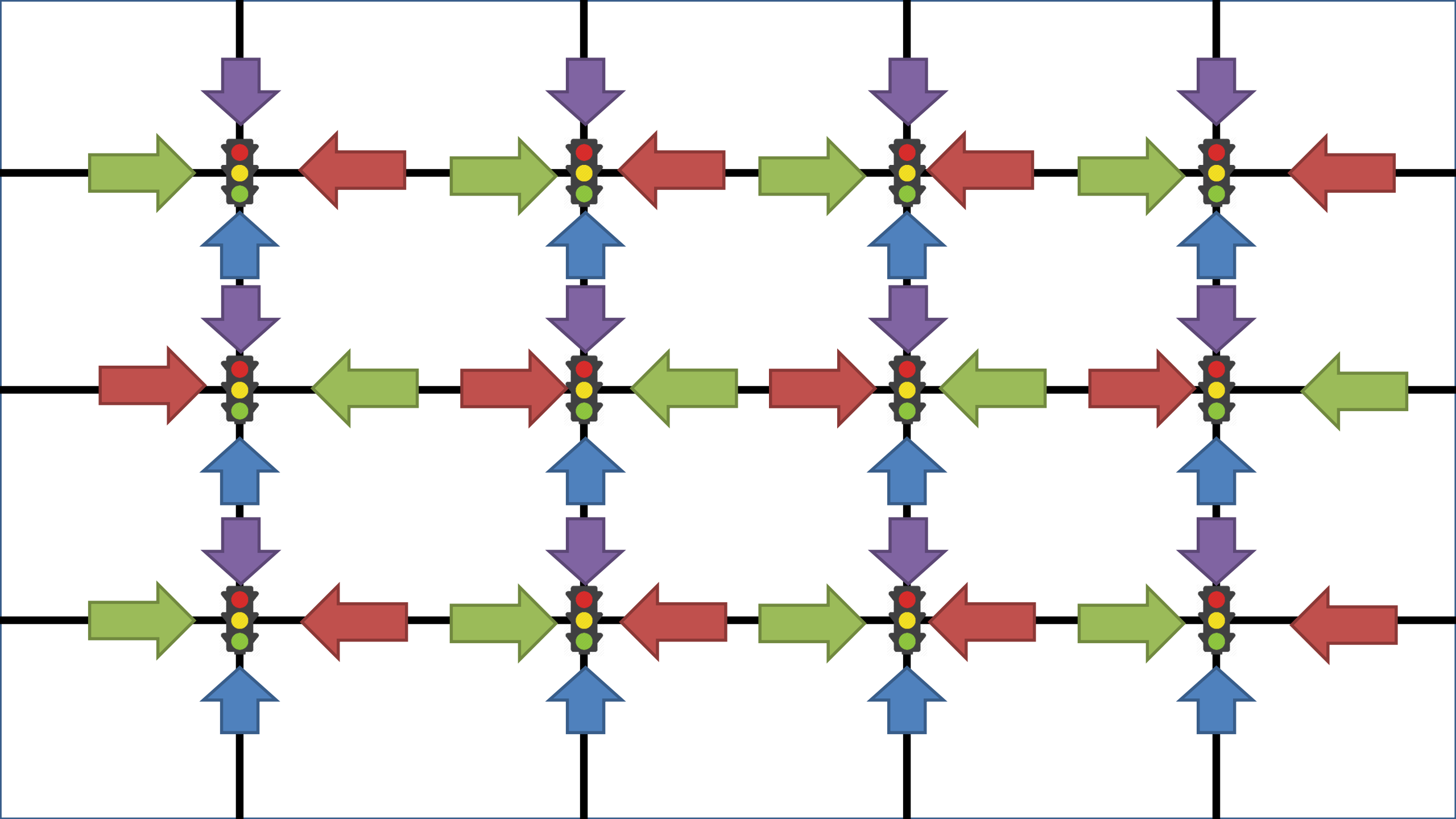
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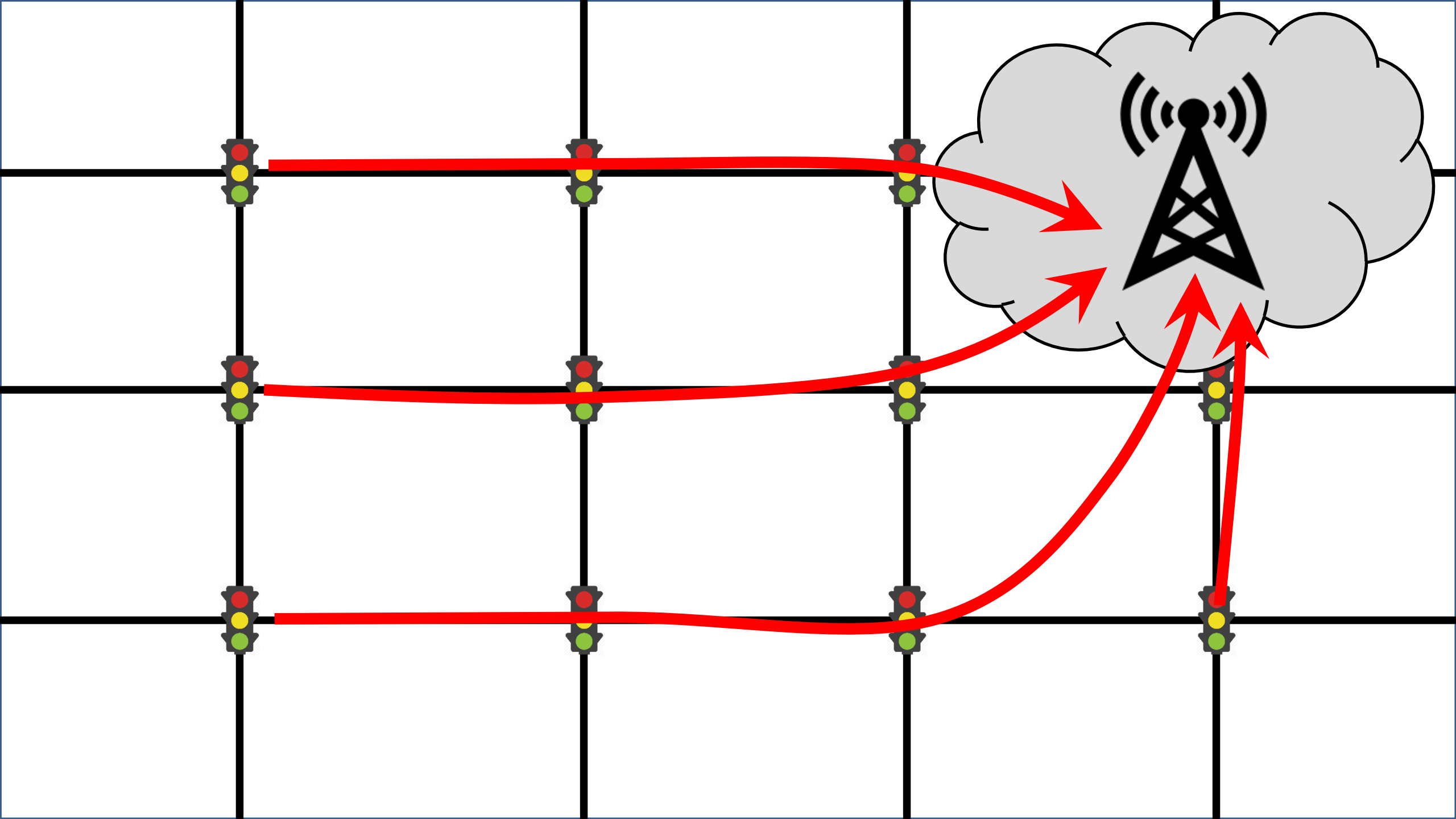




DETECTION TYPES:

- Induction loops
- Standard cameras
- Fish-eye cameras



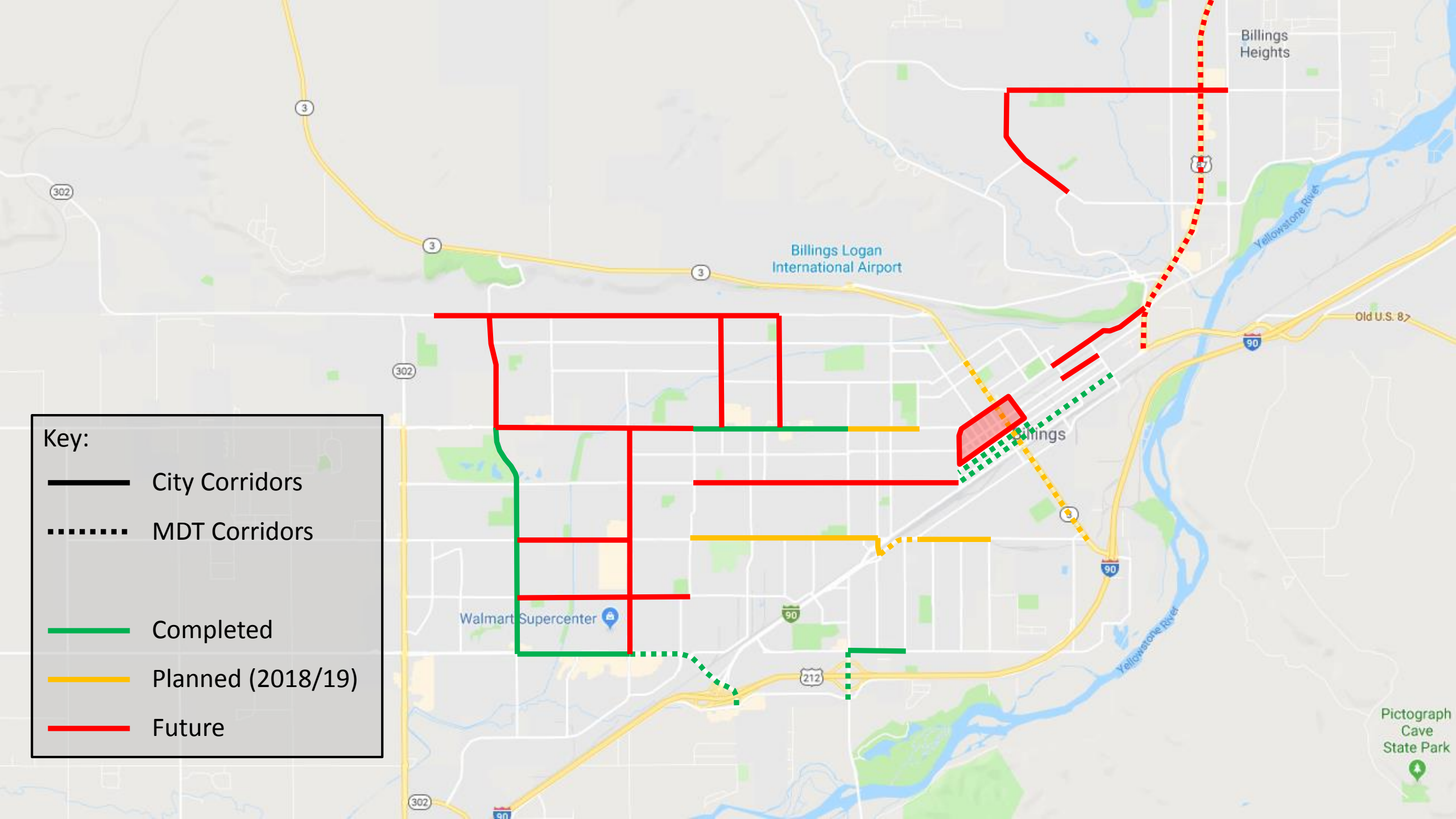


New Traffic Signal System



Key:

- City Corridors
- MDT Corridors
- Completed
- Planned (2018/19)
- Future



Future Corridors



Corridor	ADT (vpd)	No. of Signals	Comments
Main Street	27,000 – 45,000	11	MDT maintained
24 th Street West	23,000 – 26,000	8	Existing plans
Broadwater Avenue	17,000 – 18,000	7	
Rimrock Road	10,000 – 12,000	3 (5)	
Grand Avenue (west)	14,000 – 16,000	2	
Central Avenue (west)	13,000 – 14,500	2 (3)	
Downtown	5,000 – 17,000	19 (20)	Existing plans/N. 27 th St.
4 th / 6 th Avenues North	11,000 – 15,000	4	
13 th / 17 th Streets West	4,000 – 10,000	4 (5)	
Wicks Lane	8,000 – 15,000	0 (5)	Easy to implement
Hilltop Road/ Governors Blvd.	4,000 – 5,500	0 (2)	Easy to implement
Monad Road	7,500 – 9,800	2	

Board Recommendations??



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QUESTIONS??