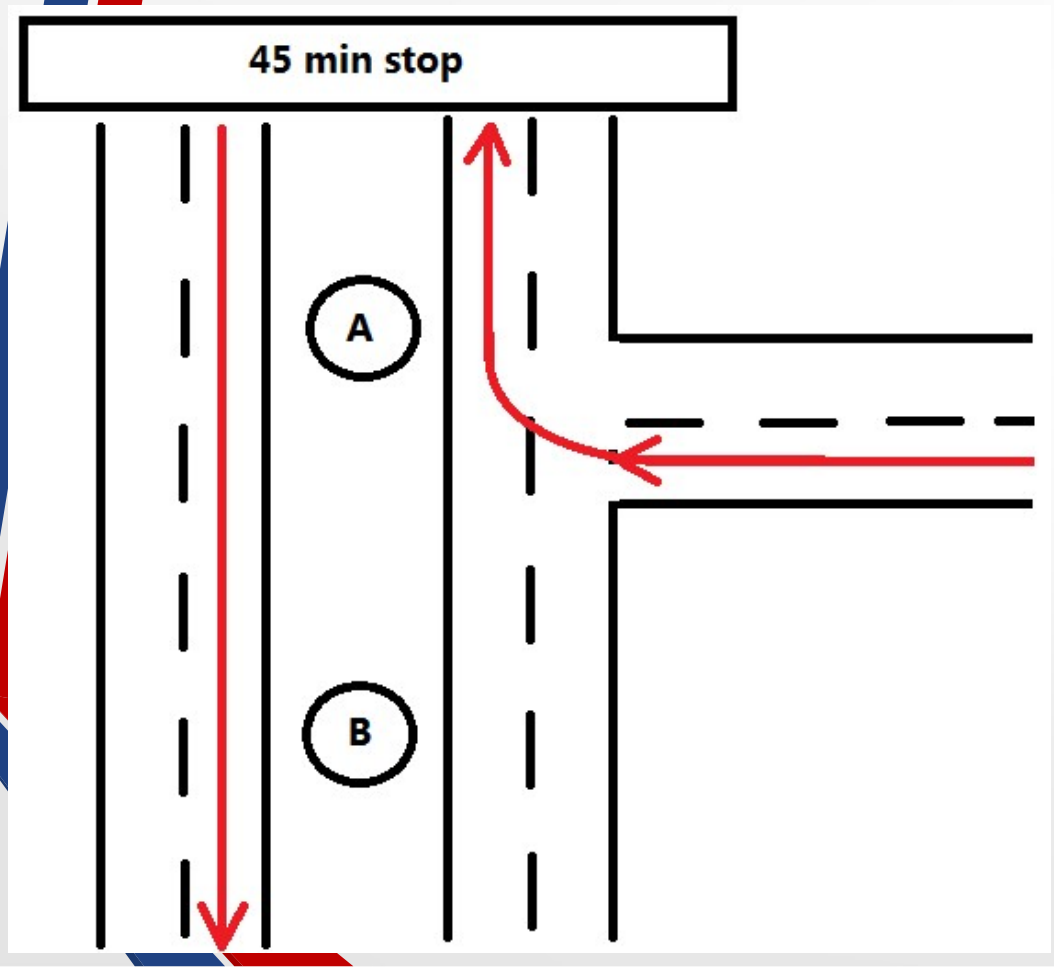
TSS Probe Fusion Functionality Questions SG-3562

Tucker Brown

Consider this situation



- Vehicle goes by Detector A (tag read 1)
- Stops off for awhile
- Goes by Detector A again (tag read 2), then by Detector B (tag read 3)

Tag Matching

- Match would be between Tag 1 and Tag 3
  - First chronologically would be matched with the tag read on Detector B
- Duplicate tag matches are only thrown out for the following
  - Are read close enough in a configurable window (typically small)
    - Can configure the system to select first, middle (temporal), or strongest signal
  - Pass the configurable time to match (typically over 1+ hours)
- *Probably* would not factor into the speed reading
  - Configurable parameters dictate the maximum speed change per cycle and throw out these type of outlier matches from the average algorithm (but still saved)
  - If the “outliers” start to persist (like a sudden slowdown), the are taken into account for the average.

Possible Approaches

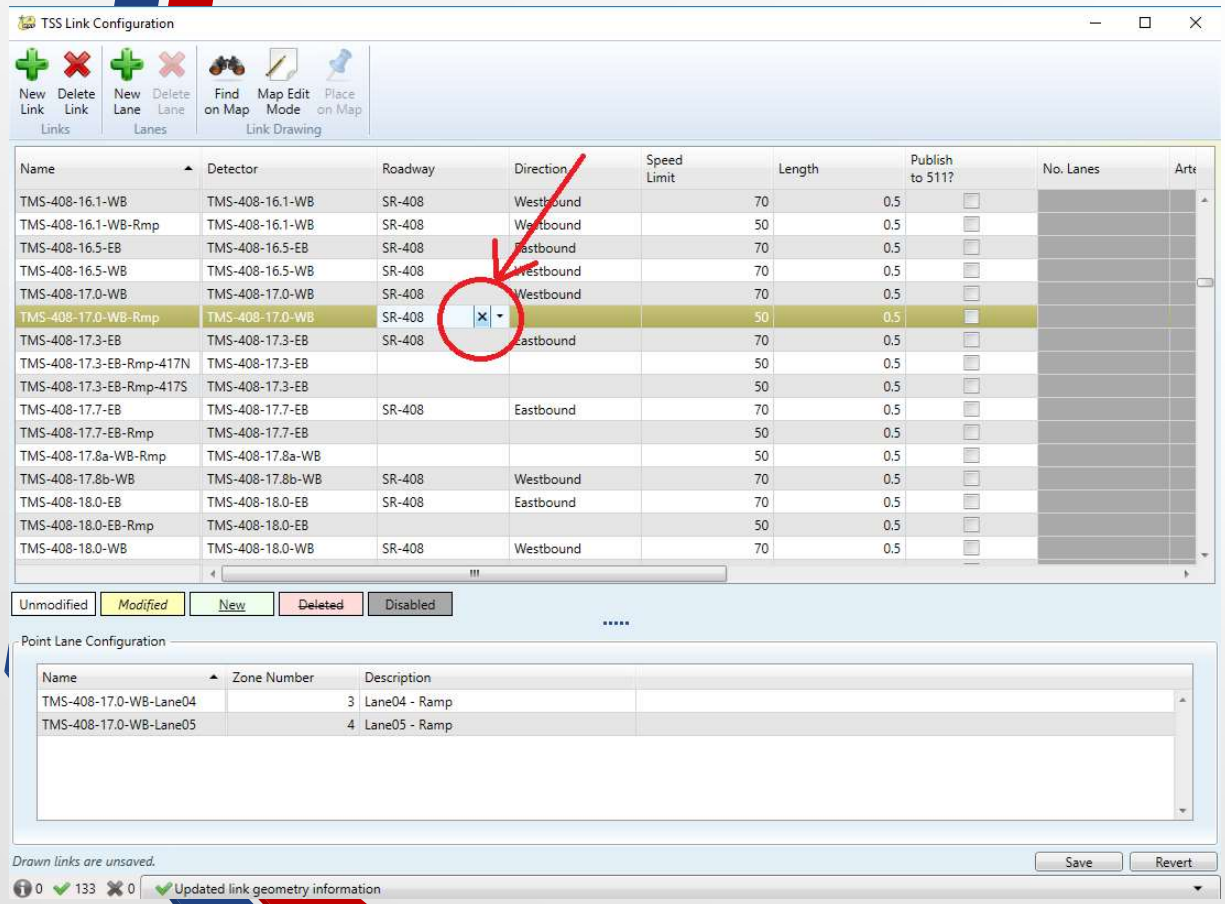
- Gather data from districts with a large amount of tag data and see how often this situation occurs
  - Most likely to occur in arterial probe detectors situations
  - Does it effect the average speed noticeably?
- Minimum speed parameters that throw out extremely slow outliers
  - Potentially for throwing out real data in a dead stop situation
- Other Options?
  - Does anyone see this type of issue?

QUESTIONS?

Link Roadway Selection SG-4485

Tucker Brown

Link Selection Issue



- Deselection X on the configuration GUIs can be accidentally be pressed when selecting the roadway column
- Removes the roadway from the configuration and causes issues on FLATIS

Desired Changes

- Removed deselection X on the roadway
- By default, automatically select the detector roadway for the link roadway when creating a link
- Do not allow saving a link without a roadway

QUESTIONS?

Severity for an Event SG-4654

Tucker Brown

Current Behavior

- When the user creates a response plan, the default distance is chosen
- The config file shows values based on % lanes blocked for severe, moderate, and minor
- Right now, the severity is based on lane blockage duration, not % lane blocked.
  - Minor = 0-30 mins
  - Moderate = 30-120 mins
  - Severe = 120 mins

Open Question

- How is severity used in the districts?
- Should it based on % lanes blocked or blockage duration?

QUESTIONS?

Planned Events

Tucker Brown

Ending Behavior

- Comment from previous SSUG indicated a need for a “End Time” when putting in a planned event?
  - Is this needed?
- What should happen at the end time?
  - Possible situations include events with active lane blockage, active response plans, RR or other responders on scene
- Notifications with no actions?
- Notifications with actions to close event?

Event List Sorting

- In previous SSUG, we discussed all planned events being in a section on the event list.
- Is there a need to differentiate between:
  - Events that have be scheduled by are not close to occurring and no one has given approval
  - Events that are close to occurring but no one has given approval
  - Events that have been approved but have not yet occurred
- Or is it sufficient to display them in 1 section and just display the start timing?

QUESTIONS?