

Cyclists at Wide Intersections



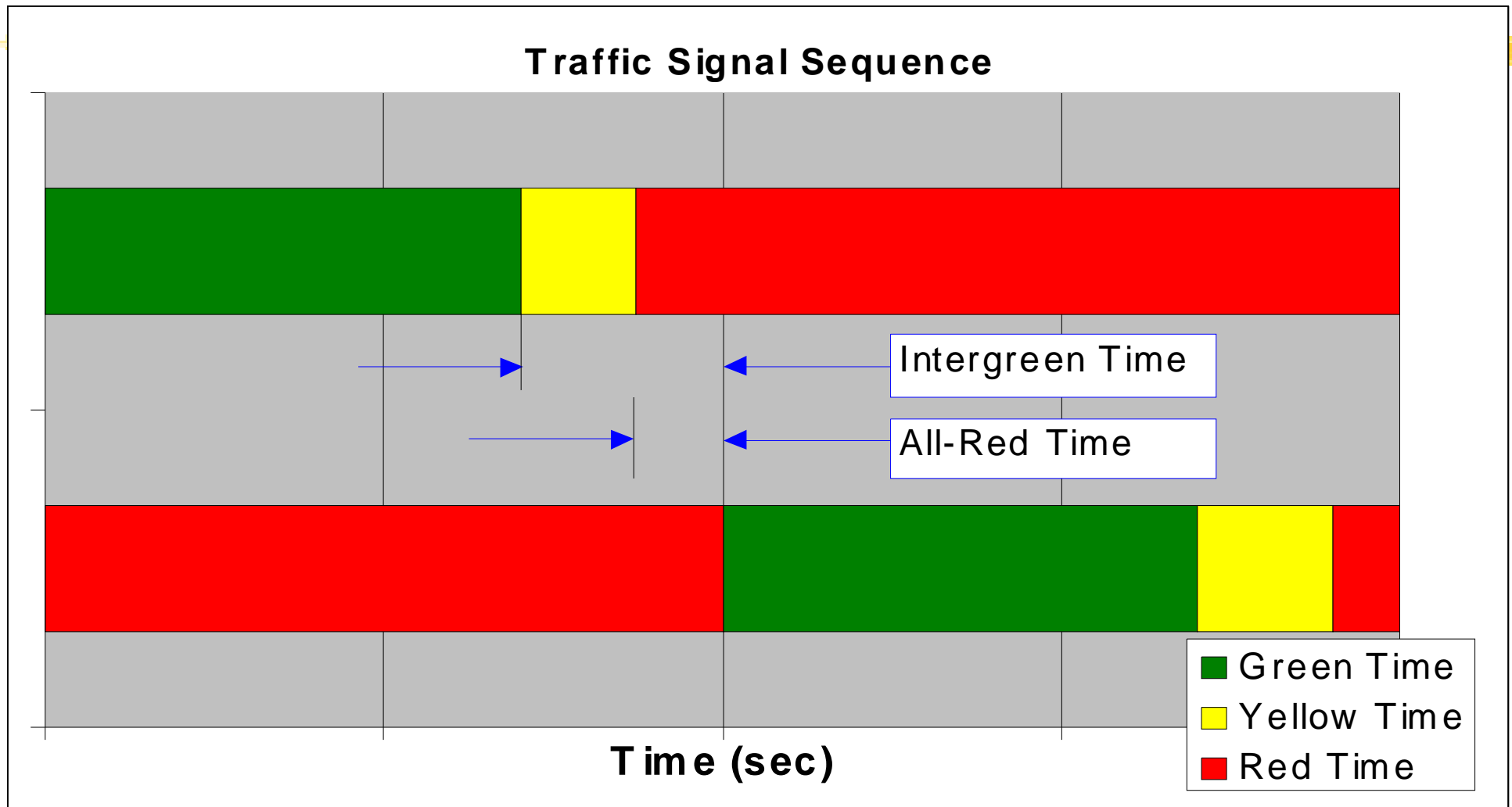
All-Red Time Extension on Demand

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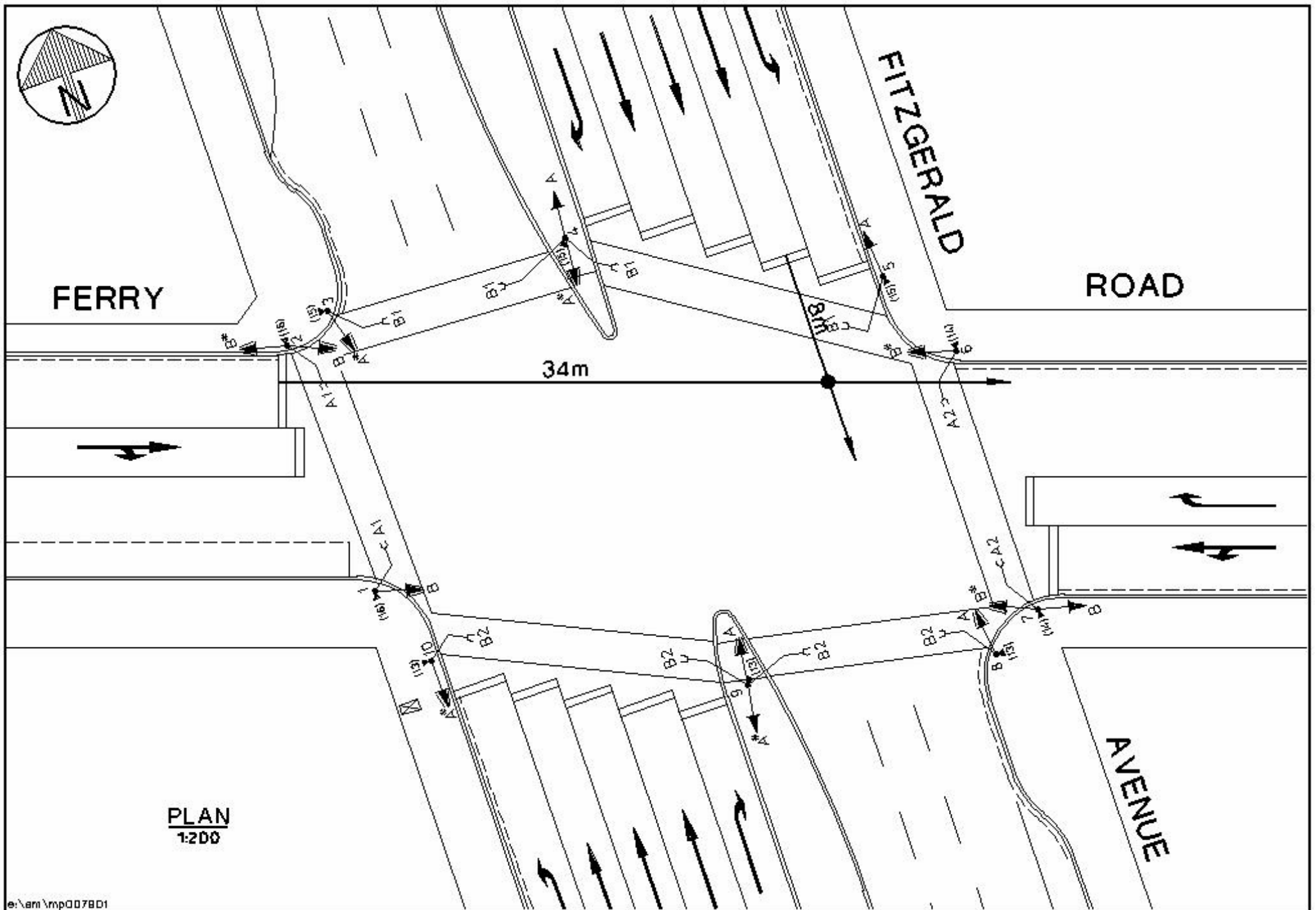
Definition of Terms



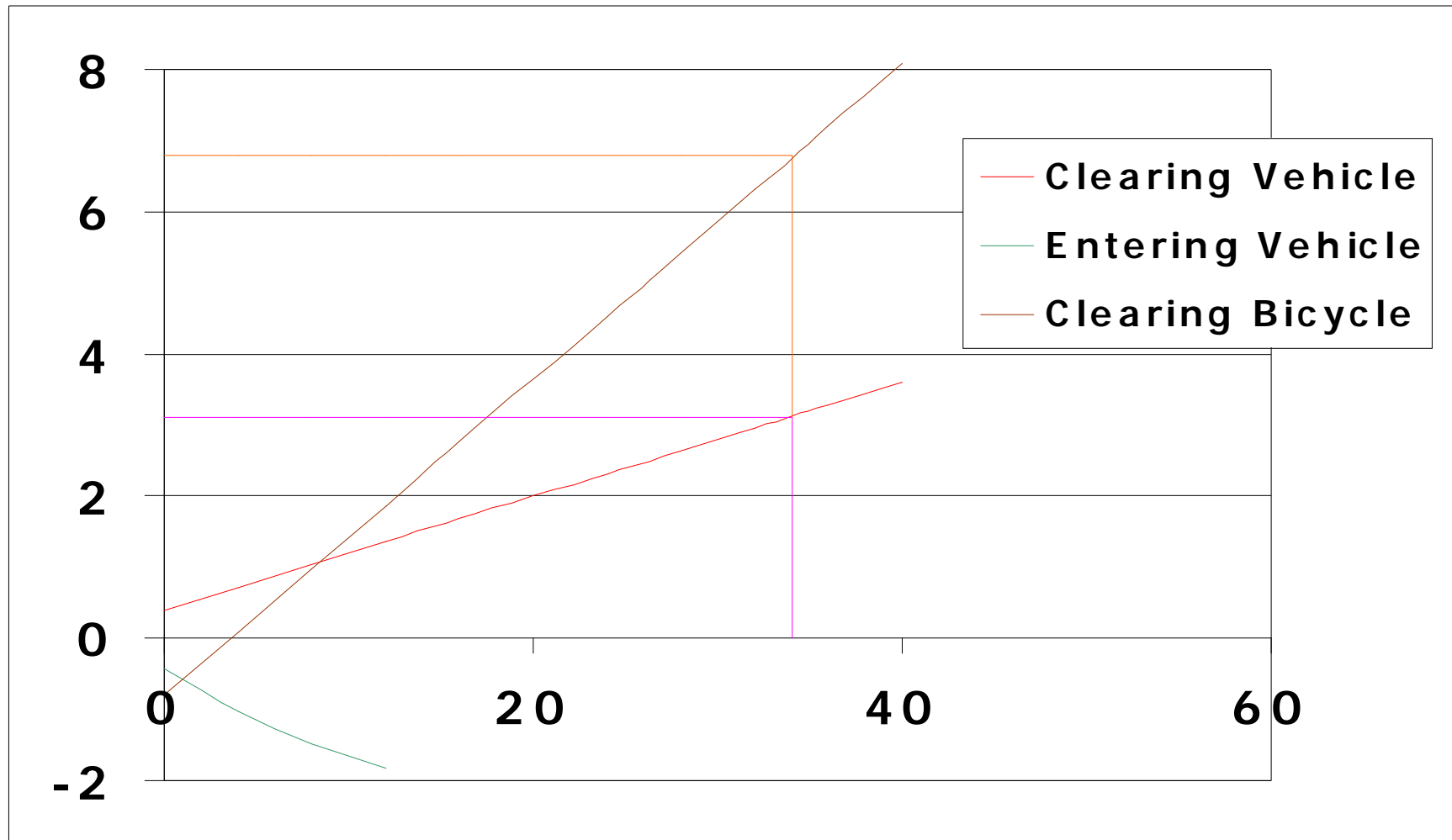
Signal Settings

⌘ All-red time based on motor vehicle speed





All-Red Calculations



Goals and Objectives



- ⌘ Find an effective treatment
- ⌘ Make signalised intersections safe for cyclists

Evaluation of the Problem



⌘ Collision Risk

⌘ Crashes

⌘ Mode Shift

⌘ Video Clip

Possible Treatments

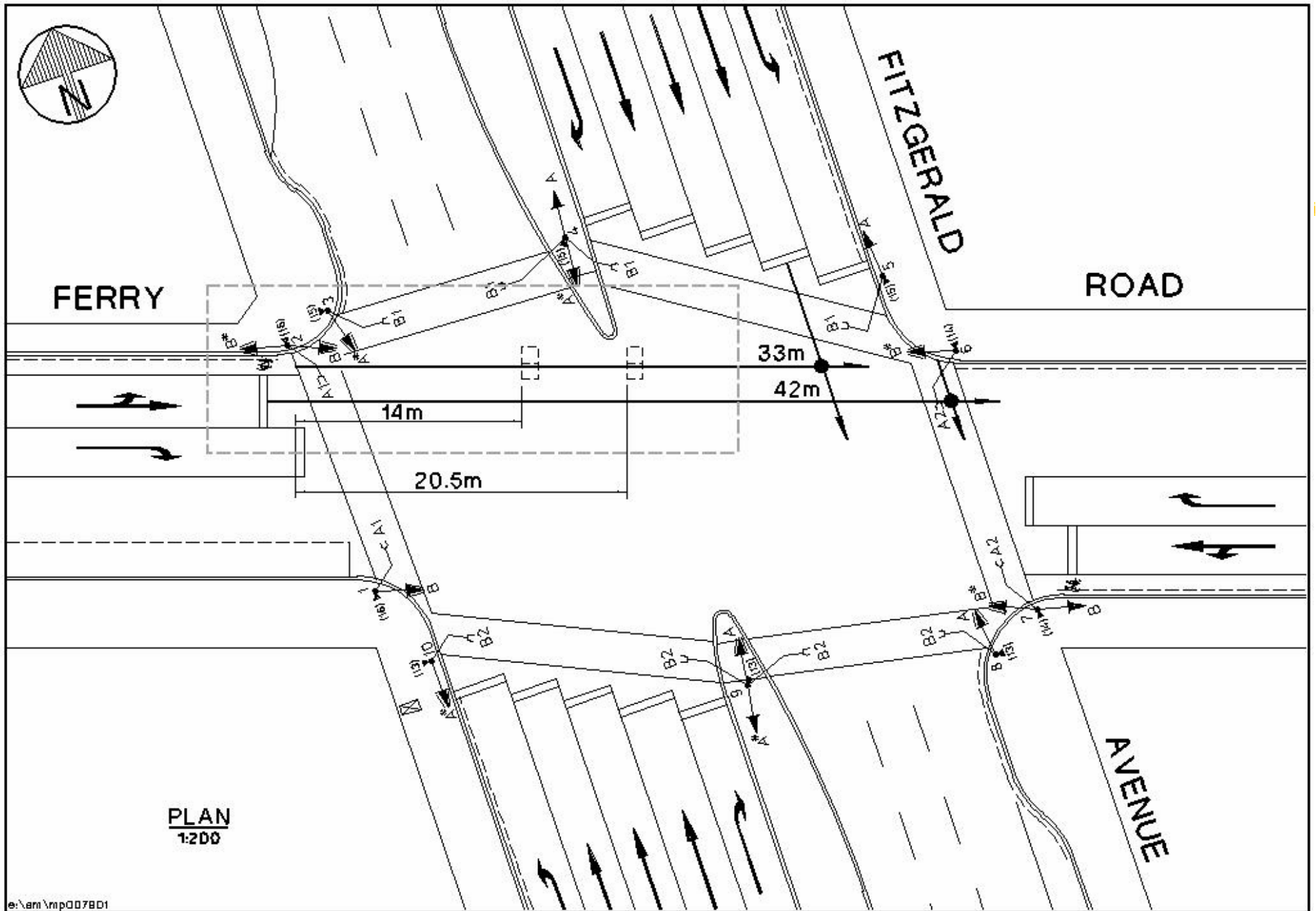


- ⌘ Early cut-off for cyclists
- ⌘ General extension of all-red time
- ⌘ All-red time extension on demand

Detector Loops within the Intersection



- ⌘ Extend all-red time for cyclists
- ⌘ Red-light runners cannot call an extension
- ⌘ No publicity campaign necessary
- ⌘ Preferred option from consultation process
- ⌘ \$5,000 per intersection
- ⌘ B/C of 12



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PLAN
1:200

Approach Cycle Lane



- ⌘ Provides safe stopping area
- ⌘ Other benefits

Recommendations



- ⌘ Address the problem
- ⌘ Implement the proposal
- ⌘ Provide approach cycle lane
- ⌘ Establish priority list