How does Transit Signal Priority work?

“I need priority!”
or
“All set, no longer needed”

MBTA Bus Operations Software

MBTA TSP Software

Hardline Fiber Connection

Cellular connection

Boston Traffic Management Center

Intersection cabinets in other municipalities
Where do bus predictions come from?

**Better Bus (locations)**

Knowing a bus' location every 5 seconds instead of every 60 seconds.

Vendor: Samsara

**Better Bus (predictions)**

A better algorithm for:

Bus locations -> bus predictions

Vendor: Swiftly

(ask us how we know it's better)
What if we had a digital sign at every bus stop?

Digital countdown signs are the #1 place riders get their information... more than mbta.com or apps.
What else is up next?

- How can we help dispatchers and field inspectors identify and respond to disruptions as they occur?
  - Benefits to every rider, every route

- Can we share information beyond “when is the next bus coming”? What about crowding information?