

Traffic Management Center

Development Services | July 17, 2024
Transportation Commission Meeting



TMC Team



Traffic Management Center

?

traffic signals

800+

detection cameras

120+

CCTV cameras





Benefits of TMC

- Download signal timings remotely
- Monitor construction
- Respond to citizen requests
- Unintended benefit: utilized by PD

Video Detection

- Can be monitored from the TMC
- New technology can detect vehicles and bicyclists

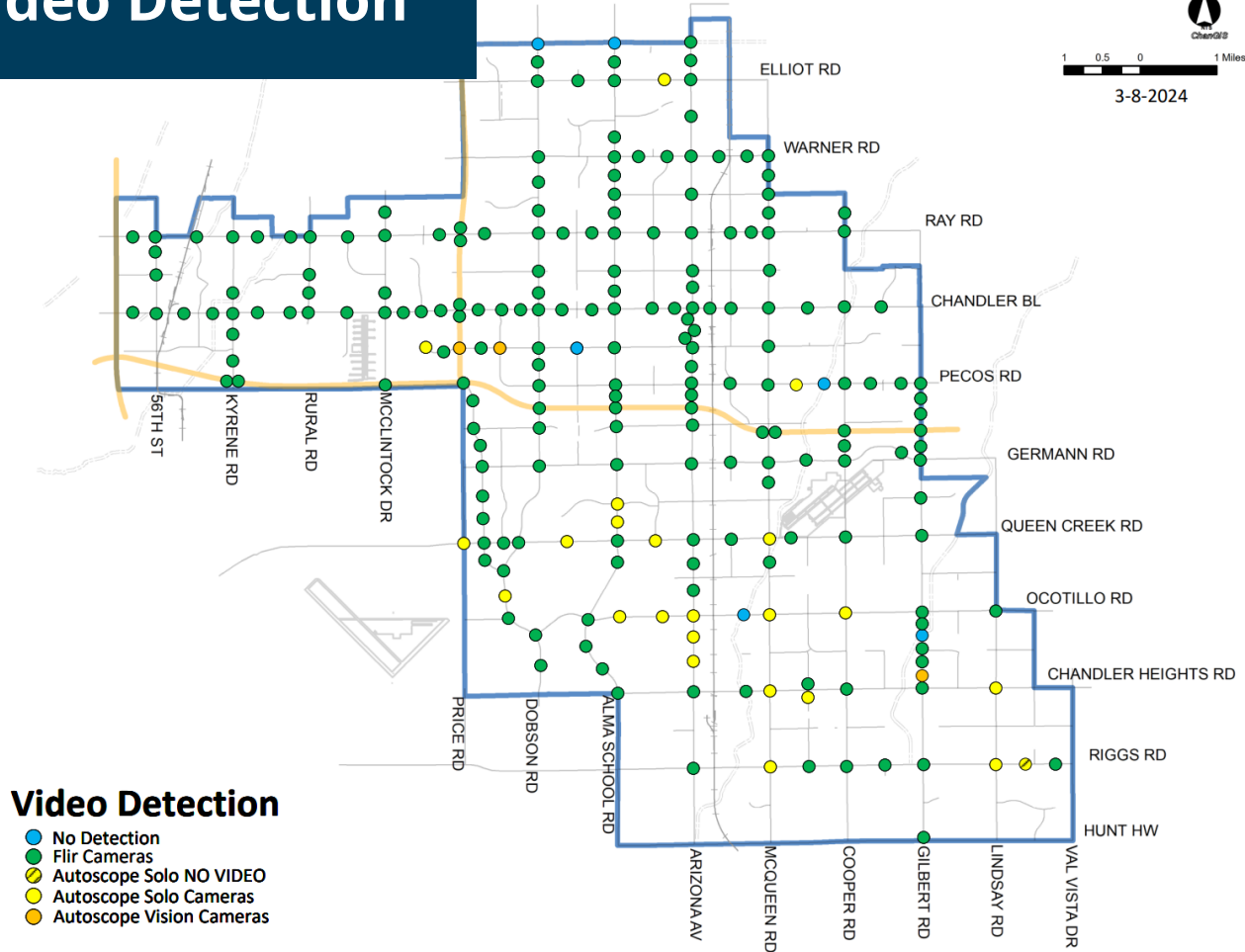




HASE 3 8 10
YG R R R



Video Detection



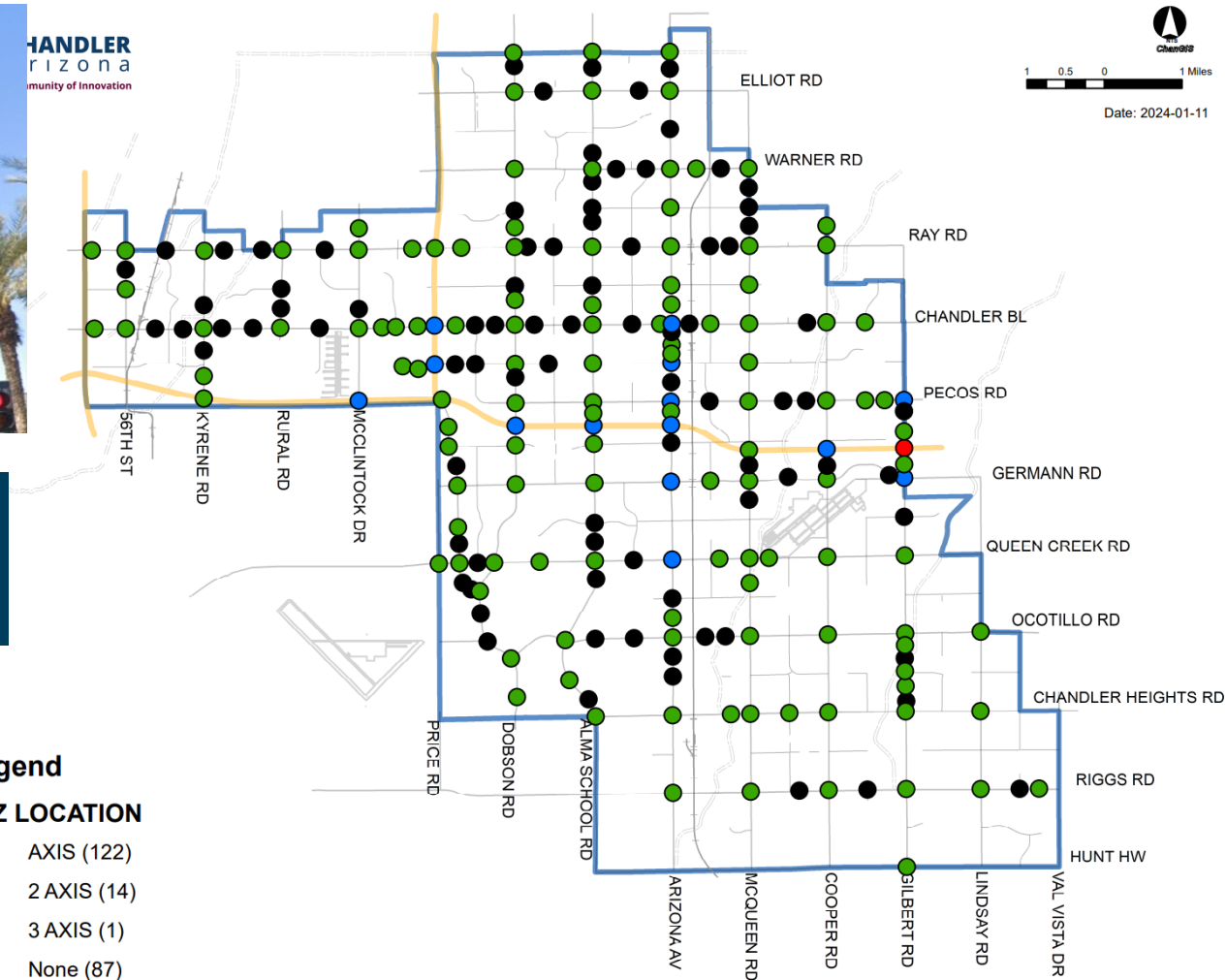


CHANDLER
arizona
Community of Innovation

CCTV Cameras



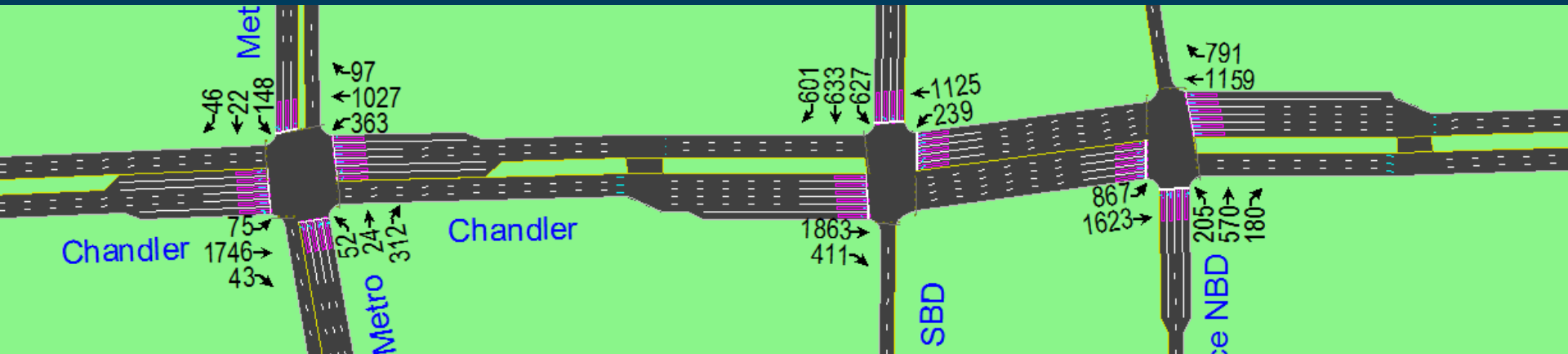
- Legend**
- PTZ LOCATION**
- AXIS (122)
 - 2 AXIS (14)
 - 3 AXIS (1)
 - None (87)





Traffic Signal Timing

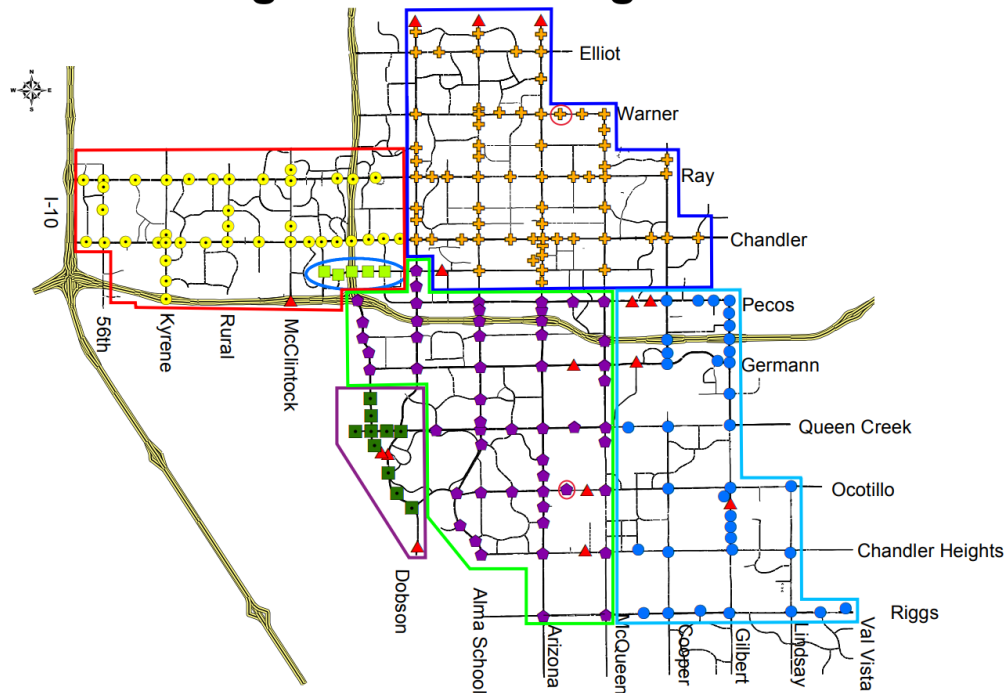
- Collect turning movement counts
- Create a model
- Input count and geometry data



Traffic Signal Timing

Traffic Signals and Timing Zones

01/10/23



Plan	Cycle Length						Hours	Exceptions
	W	C	SW	SE	Mall	Intel		
AM peak	110	110	100	100	80	100	0600-0900h M-F	Intel AM starts at 0530h
Offpeak	94	94	0	100	80	0	All other hours	Intel PM starts at 1500h
PM peak	110	110	110	100	90	100	1530-1830h M-F	Red Zone PM starts at 1330h on Friday
Mid-day	100	100	100	Use off peak	Use off peak	100	0900-1530h M-F	
Night	80	80	80	80	80	80	2200-0600h M-F	Red Zone starts at 23:00h Mall 23:00h

Chandler
@ Dobson
62



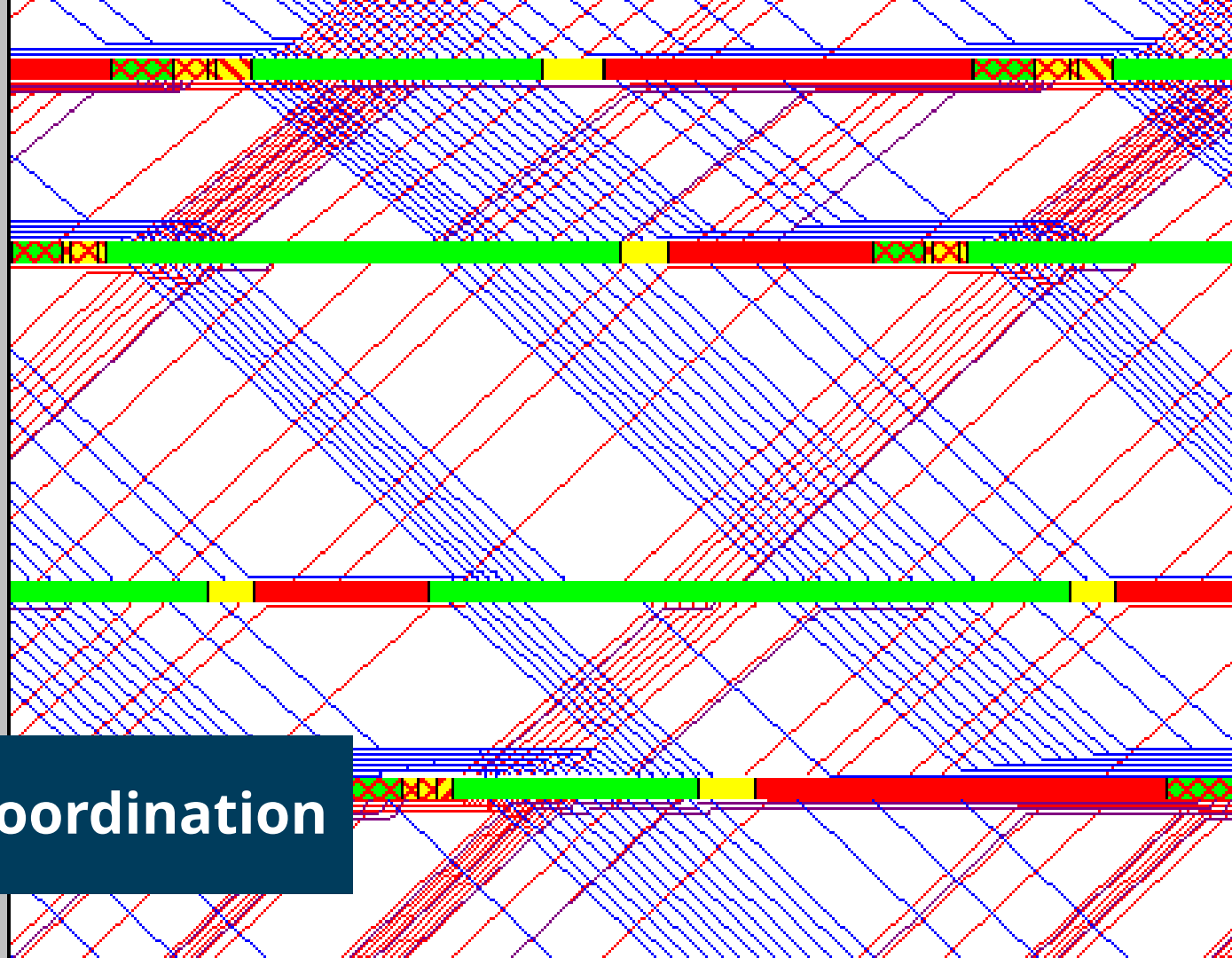
Chandler
@ Pennington
71



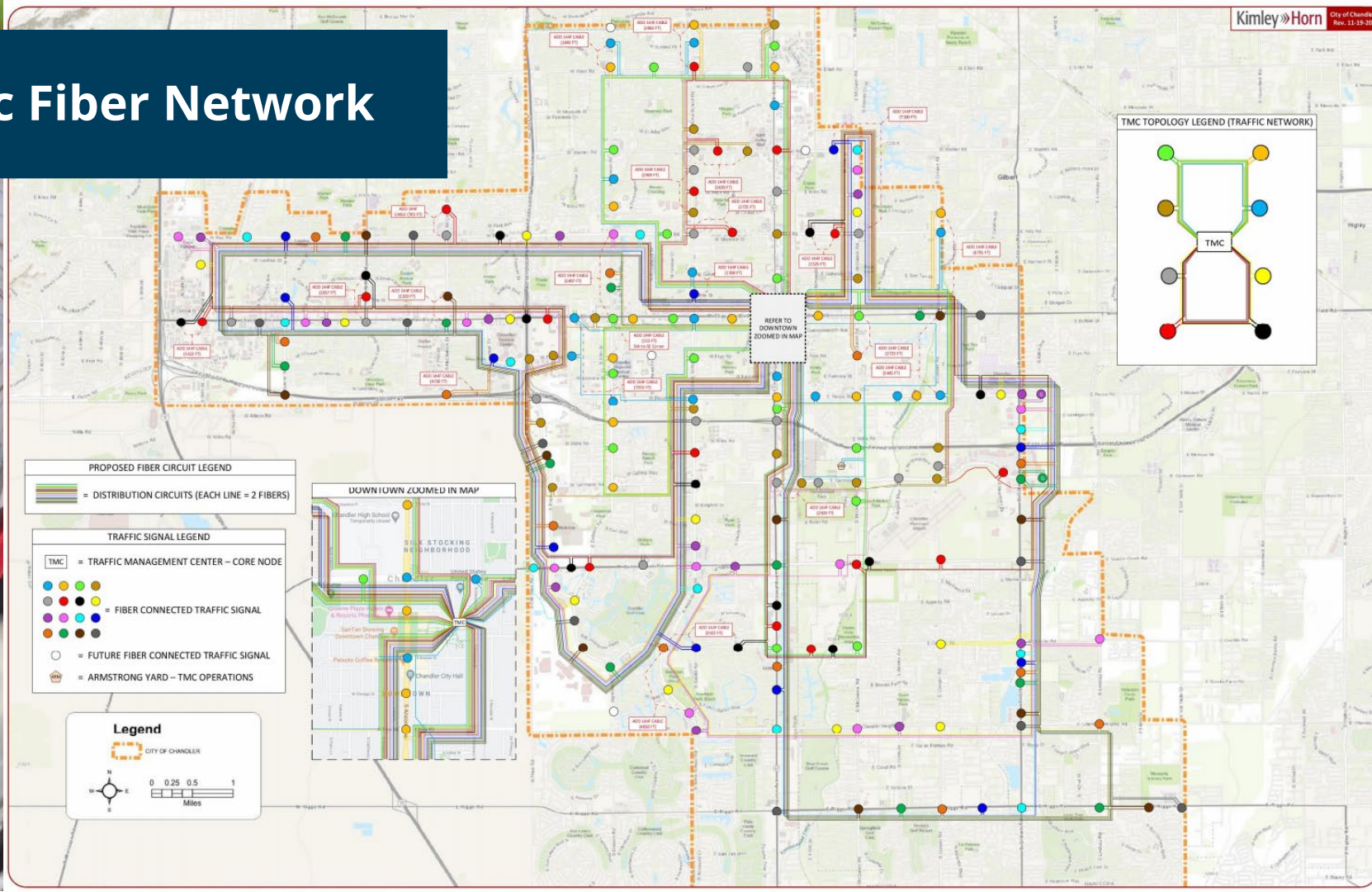
Chandler
@ Comanche Dr
23



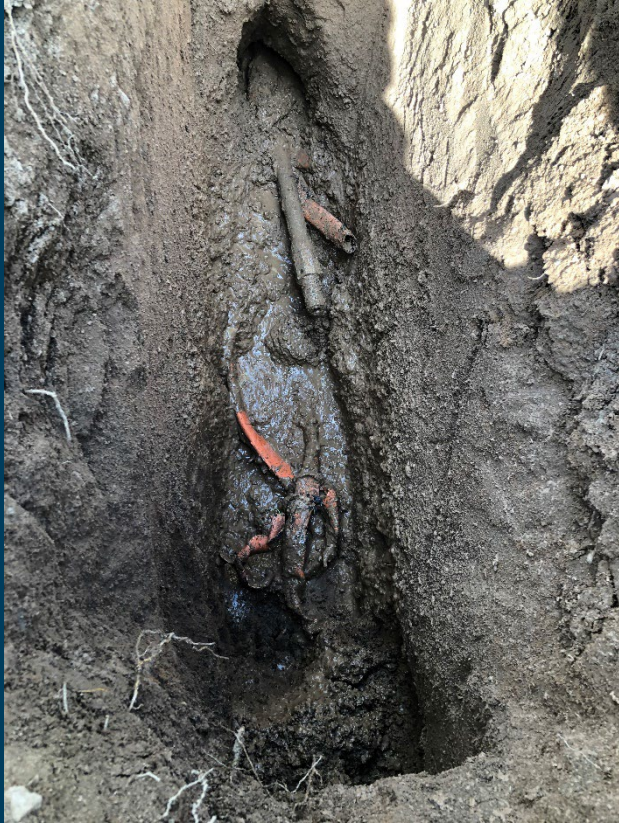
Traffic Signal Coordination



Traffic Fiber Network



Why Redundancy?



Everyday is a new adventure in the TMC!!





Questions

ROAD
WORK
AHEAD