2018-03-06 - Team TOAST Brainstorming Meeting Notes

Advanced Technology, TSMO, and ITS

- Install changeable curve speed warning signs
- Install automated red light running enforcement cameras
- Install automated/mobile speed enforcement cameras
- Install automated changeable speed warning signs
- Install changeable queue ahead warning signs
- Install changeable crash ahead warning signs
- Install changeable dynamic advance intersection warning system
- Install dynamic speed feedback sign
- Install icy curve warning sign
- Install dynamic message signs for real time traffic information
- Install static/dynamic ramp meter
- Expand CCTV coverage (including more cameras per pole)
- Install dynamic lane control signs
- Install variable speed limits
- Convert inside/outside shoulder to hard running shoulder
- Add HOV lane
- Convert HOV lane to HOT lane
- Add reversible lanes
- Convert continuous access HOV lanes to limited access
- Install bus only or truck only lanes
- Install active close-following warning signs
- Install limited sight distance warning signs
- Modify intersection lanes to variable lanes by time of day
- Implement truck lane restrictions
- Install route choice signs (DDMS) prior to entering freeway
- PBPD/Repurpose lanes (narrow shoulders to add/connect through lanes
- Over height vehicle detection, warning/flashing signs
- Wrong way detection/warning system

Emergency Operations and Incident Management

- Targeted Ohio TIM training
- Implement a Mind the Queue program
- Deploy a dedicated FSP Tow truck
- Expansion of Freeway Service Patrol program
- Integrate with local law enforcement agencies CAD
- Establish pre-determined detour routes
- Install pre-planned detour signing for recurring closures (flooding, special events, etc.)
- Regional After-Action Reviews (AARs) with all local incident responders
- TRIP Program Outreach (improve awareness, rural areas)
- Establish detour routes for known flooding locations
- Install advanced warning signs near flooding locations
- Install sensors in shoulders or video detection to monitor flooding
- Utilize drones/portable camera units on FSP vehicles to monitor traffic
- Organize ‘Strike Team’(D12)/ODOT personnel to assist with incident management
Work Zone
- Install variable speed limit signs
- Install route choice/time (DDMS) signs
- Install queue warning signs
- Establish emergency crossovers/access points for incident responders
- Require traffic incident management training for contractors

Intersection Traffic Control
- Install adaptive traffic signal control
- Add traffic responsive settings in controller
- Add special Event/Incident/Weather related signal timings
- Convert from 5 sections signal head ‘dog house’ to FYA (flashing yellow arrow)
- Modify left turns to permissive, permissive-protected, protected only phasing
- Optimize signal timing and progression systematically
- Provide/Remove split phasing
- Install, upgrade, or repair sensors/detection
- Add back plates, side mounted supplemental signal heads
- Add communications for remote monitoring and performance measures (signals)
- Add/remove warranted/unwarranted signals
- Update clearance intervals
- Evaluate flashing pattern
- Restrict turns by time of day
- Opportunity for multijurisdictional coordination
- Consistent speed limits through corridor
- Update/Revise/Improve pavement markings
- Advanced lane use/warning/street name signs
- Install dual red signal heads