

Intersection Considerations	Safety / Efficiency/ Other	Category	Data Source	Scaling (1 low -5)
Large number of accidents/ fatality hot spots				
Crashes with pedestrians	Safety	Traffic/Safety	TIA	
Crashes with bikes	Safety	Traffic/Safety	TIA	
Red Light violations	Safety	Traffic/Safety	SEMCOG	
Workzone	Safety	Traffic/Safety	SEMCOG	
Emergency vehicle crash	Safety	Traffic/Safety	SEMCOG	
High speeding area	Safety	Traffic/Safety	TBD	
Damage / severity of crashes	Safety	Traffic/Safety	TIA	
Intersection Update Difficulty Score				
Room in cabinet	Other	Existing Infrastructure	RCOC	
Camera is installed	Other	Existing Infrastructure	RCOC	
Room in conduit for cabling	Other	Existing Infrastructure	RCOC	
RSU mounting pole proximity to controller	Other	Existing Infrastructure	RCOC	
Strong wireless connection for backhaul	Other	Existing Infrastructure	RCOC	
Ability for direct fiber access	Other	Existing Infrastructure	RCOC	
Intersection Size (drives the number of cameras)	Other	Existing Infrastructure	RCOC	
Site Surveys completed	Other	Existing Infrastructure	RCOC	
Controller type compatibility	Other	Existing Infrastructure	RCOC	
Intersection in disadvantaged area	Other	Equity	USDOT	
Pedestrian infrastructure (crosswalks, bike lanes, beacons)	Safety	Traffic/Safety	3rd party (e.g.	
Pedestrian count scores (pedestrians, bicylists?)	Safety	Traffic/Safety	3rd party (e.g.	
Intersection is under RCOC jurisdiction	Other	Existing Infrastructure	RCOC	
Heavy traffic flow intersection (all traffic types)	Safety, Efficiency	Traffic/Safety	ADT volumes	
Heavy traffic flow intersection (commercial) % trucks	Safety, Efficiency	Traffic/Safety	3rd party (e.g.	

Fleet corridor (multiple intersections) = % trucks	Efficiency	Strategic/Partnership	MDOT	
Route includes school buses / near schools	Safety	Strategic/Partnership	Map research	
Proximity to first responder base locations (police, fire, ambulance)	Safety	Strategic/Partnership	Map research	
Local govt cooperation (high, medium, low)	Other	Strategic/Partnership	Interviews	
Government vehicles (early funding souce)	Other	Strategic/Partnership	Interviews	
AAA server (TMC, Partner) looking at vehicles	Other	Strategic/Partnership	Interviews	
Public trasportation routes	Efficiency	Traffic/Safety	SMART bus routes	
One intersection facilitates field testing (safe parking, traffic, VRUs, clear and blocked approaches for signal degradation)	Other	Traffic/Safety	Field Survey	
Capital improvement program alignment	Other	Strategic/Partnership	Long term plans	
Acceptable road geometry (straight approaches to reduce MAP file points and payload size)	Other	Existing Infrastructure	Manual inspection	

Bold are dominant effects to consider first