Redmond
WASHINGTON

City Council Issue Matrix
Adaptive Signals staff report

Date	Issue	Notes & Recommendations	Next Steps
07/02/2024	**CM Forsythe:** Request for multi-modal detection at Leary Way/520/WLSP and bike trail. Lots of bike traffic, saw 20 cyclists at lunchtime, and ST stations not even open yet.	The traffic signal at the Leary Way/ SR-520/West Lake Sammamish Parkway is owned and operated by WSDOT; however we can look for opportunities to partner with WSDOT in the future to deploy a multi-modal detection system at this location.	
	CM Kritzer: Will there be data available or projected data about less idling and decreases in CO2 emissions associated with this project?	The system will not provide the direct calculation to measure reduction in CO_2 emissions. However, the system can provide data, such as average delays per vehicle, that could be used to manually calculate CO_2 emission reduction values.	
	CM Salahuddin: Question about any consideration to look at data privacy. For example, are faces tracked?	The technology does not have facial recognition capabilities. The technology is only capable of distinguishing between vehicles, cyclists and pedestrians to provide detection data to the traffic signal system. We are partnering with Redmond TIS to evaluate data privacy issues.	
	CM Fields: #1 When selected vendors, did any proposals propose details on what problems trying to solve, will system recommend signal programming changes? #2 If the city/state gets the will to use cameras for red light running, will these cameras be used for ticketing and red light running? #3 Could the video recordings be used in subpoenas?	#1 – The system will provide information on signal performance and it will be the responsibility of the signal operations engineer to make signal programming changes. #2 – The system is not designed to capture information for such activities as ticketing and red-light running enforcement. #3 –Multi-modal detection cameras will not be recording on a regular basis but may record for specific traffic studies. Recorded video may be available for a limited duration subject to storage capacity.	
	CM Stuart: PD has shown an interest in license plate reader technology. Will there be a cost redundancy between that technology and the multi-modal detection?	No. These would be two separate systems each with a dedicated purpose. The two systems have different camera technology, mounting locations and focal areas. For example, the multi-modal camera looks at all approaches and lanes whereas a red light camera is	

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		limited to focus on 2 to 3 lanes of a single approach in order to read the back license plates.	
	CM Nuevacamina: Will there be safety measures to make sure the system is not infringing upon rights of citizens?	Yes. The technology is only capable of distinguishing between vehicles, cyclists and pedestrians to provide detection data to the traffic signal system. The technology does not have facial recognition capabilities. We are partnering with Redmond TIS to evaluate data privacy issues.	

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