



Transportation & Public Works Committee Meeting Minutes

February 3, 2022
4:30 PM – 6:00 PM
** Virtual Meeting **

Members:	Present:	Absent:	Commence: 5:32 PM Adjourn: 6:20 PM
Peter Kwon, Chair	X		
Jake Simpson	X		
Takele Gobena	X		

Other Councilmembers participating:

Staff Coordinators: Will Appleton, Public Works Director; Florendo Cabudol, City Engineer

Other Staff Participating: Bryan Chappell, PW M&O Manager; Mary Mirante-Bartolo, City Attorney; Gwen Voelpel, Deputy City Manager

Public Comment	No public comment was submitted
1. Approve Prior Meeting's Minutes	Jan 20 Minutes were approved
Approve Professional Services contract for DKS Associates for Fleet Electrification Strategy Development	<p>Discussion/Action</p> <p>Bryan, Chappell, Public Works Maintenance and Operations Manager, presented this topic. The development of a Fleet Electrification Program was approved as a Decision Card in the 2021-2022 Budget for \$75,000. The first step is to develop the plan.</p> <p>The fleet industry is moving in the direction of electrification, and provides lower maintenance and operational costs. Long-term electric vehicle sales are expected to be 40 million sold by 2028. It is also better for the environment, produces less noise, and our city is right-sized for EV battery range.</p> <p>There are federal incentives for developing electric charging stations and future mandates in the area are anticipated.</p> <p>The City expects to save in both fuel and maintenance costs by electrifying our fleet.</p>

	<p>The city advertised for Request for Proposals to a selected group of firms, and selected DKS Associates after interviews, and rating evaluations. DKS was selected partly due to a similar plan they prepared for City of Seattle in 2020.</p> <p>We are finalizing the Scope of Work and expect the contract to be between \$60,000 and \$75,000. Project completion is expected to be in July, 2022.</p> <p>Their Scope of Work will include existing conditions and trends review; needs assessment and gap analysis, phased master plan, ROW charging.</p> <p>Staff is asking for the Committee to approve the professional services contract with DKS Associates to full council for review and action, with a recommendation for approval.</p> <p>Questions raised were: What type of knowledge can be gleaned from the City of Seattle study, in order not to reinvent the wheel?</p> <p>Why were maintenance costs so high last year? Staff answered that a few vehicles have had problems that accounted for the bulk of the higher maintenance costs last year. PW Director Will Appleton also stated that because of this plan, he has pushed out the replacement of several vehicles that have come up for replacement. This may raise maintenance costs for a year or so, but we hope not.</p> <p>The Committee approved moving the professional services contract to full council for review and action, with recommendation for approval.</p> <p>:</p>
<p>2. Approve Professional Services contract for DKS Associates for Intelligent Transportation System Strategic Plan</p>	<p>Action/Discussion</p> <p>Florendo Cabudol, City Engineer, presented the Intelligent Transportation System (ITS) Strategic Plan topic.</p> <p>ITS is priority #5 in our current Transportation Improvement Plan (TIP). Developing an ITS Strategic Plan is the first step in implementing the program.</p> <p>There are four program components in the ITS plan:</p> <ul style="list-style-type: none"> • Mobility ITS – monitors and manages the network by adjusting traffic signals, managing transit operations, or dispatching maintenance services to adjust the network. • Safety ITS – vehicle safety applications, emergency management.

- Environmental ITS – instant traffic volume data can help make informed decisions that in-turn decrease the environmental impact of day-to-day trips. Can help avoid congestion by drivers taking alternate routes or rescheduling trips.
- Traffic Data – Ability to collect traffic data to better inform decisions affecting the transportation network.

The professional services contract with DKS Associates, will include assessing our current inventory of signals, fiberoptic capacity. There will also be a technical advisory committee with stakeholder outreach to understand their needs and concerns regarding SeaTac's transportation system.

The presentation included an example of Gridsmart video detection at an intersection. The program envisioned would leverage technology, like Gridsmart, to collect vehicle movement data and informs changes to the signal operation. CE Cabudol clarified that these video signal detection system does not record visual/images and that the City does not keep records of the videos.

DKS Associates was interviewed and selected from three consulting firms who submitted a proposal.

Scope of Work includes:

Project Management

Inventory and assessment of existing infrastructure

Developing ITS standard specifications

Stakeholder needs assessment

Data Strategic Plan

Data Acquisition

The city expects to gain a list of projects in the plan that will help us implement after completion of the strategic plan. Also, having a plan in place helps the City to compete well for grant funding.

The cost for these services is an amount not-to-exceed \$143,172.00. Staff is asking the Committee to approve forwarding this item to full council for review and action, with a recommendation for its approval. The Committee approved this action.

A question was raised about the ability of the ITS system to synchronize all signal with both light and heavy congestion, for instance extra holiday traffic near the airport at specific times. This arrangement can be achieved through implementation of an adaptive signal control system. Adaptive signal control technology adjusts the timing of red, yellow and green lights to accommodate changing traffic patterns and ease traffic

	<p>congestion. The main benefits of adaptive signal control technology over conventional signal systems are that it can:</p> <ul style="list-style-type: none">• Continuously distribute green light time equitably for all traffic movements• Improve travel time reliability by progressively moving vehicles through green lights• Reduce congestion by creating smoother flow• Prolong the effectiveness of traffic signal timing
4. Adjourn	<p>Adjourn Meeting: Kudos went out to the Engineering team for being awarded a \$1.95 Million grant for Airport Station Pedestrian Improvements Project. Out of a \$19 Million pool, and 20 competing projects, ours was the highest rated project and we were awarded approximately 16% of the grant pool. Also thanks to the PW Maintenance staff for their hard work during the recent snow/ice event. Our City's roads consistently were better maintained during the event than our neighboring cities.</p>