

February 2017 SRTMC Ops Board Agenda
1300 15 February 2017, City of Spokane Operations Complex Conference Room
901 N. Nelson, Spokane WA

Call to Order

Roll Call/Record of Attendance

Public Comments

Consent Agenda

- 5 minutes -Fred
 - a) Approval of SRTMC expenses to include grant and partner funds
 - b) Approval of SRTMC activity reports
 - c) Approval of January Meeting Minutes

Old Business

- Status of IT work
 - 10 Minutes-Ryan/Steve
- ATMS update
 - 15 Minutes-Ken

New Business

- STA connection update
 - 10 Minutes-Steve
- WOWZA server proposal
 - 10 Minutes-Steve
- Regional ITS architecture plan update discussion
 - 45 Minutes-All

Agency Updates

- 10 minutes – All

Future Agenda Items

Adjournment

Meeting was called to order at 1310

Roll Call/Record of Attendance: Ken Knutson (City of Spokane), Ryan Medendwalt (SRTMC), Steve Milatz (SRTMC), Andy Schenk (City of Spokane), Ken Heale (SRTMC), Eve Nelson (SRTC), Sean Messner (City of Spokane Valley), Katie Kempel (WSDOT), Glenn Wagemann (WSDOT) and Nate Thompson (Spokane County)

Fred Nelson was not available; Andy Schenk is acting Chair.

Public comment was called for. There was no one in attendance. No public comment

Consent Agenda

a) Approval of SRTMC expenses to include grant and partner funds

b) Approval of SRTMC activity reports

c) Approval of January Meeting Minutes

A motion to approve was made by Sean, seconded by Eve. No discussion, unanimous approval. Motion carries.

Old Business

- **Status of IT work –**

Ryan worked on modifying Wowza module to improve connection process. He worked on an issue with the VPN tunnel losing connection for Hatton-Coulee camera. Ryan Consulted with WSDOT HQ IT and Steve Milatz to rebuild tunnel that is now operational. WSDOT ER Signals replaced the antenna which has also helped with connectivity. Parsons sent data to Ryan for review and approval on the SRTMC website. Parsons has done some remote testing and Ryan built a test server so any testing Parsons does will not interfere with the production website. Ryan was informed of an issue with the SRTMC website and the traffic feeds by Glenn Wagemann from WSDOT. There was a delay in the data push to the website which caused an hour delay between uploaded data and public visibility. Ken mentioned I-90 was closed due to traffic issue, the flowmap on the website was showing offline instead of blocked roadways. Ryan diagnosed the problem with CRON, reconfigured to fix timing issues and external interface. Steve also worked on Hatton-Coulee VPN adding there is stable connection since the antenna was installed. Steve has been working with WSDOT Signals on new IP schemes and the new controllers for the Intelight swapover. Intelight will be in town for deployment the week of March 20th.

- **ATMS Update –**

Parsons satisfactorily performed the factory acceptance test (FAT). Parsons sent the test documents to Ken for approval. There were three anomalies that came out of the FAT, two of which were related to the Software version and paperwork being frozen for the test. These will be easily resolved with an update to the level test procedure (LTP) paperwork. The third anomaly was the weather station inventory did not load. Parson wasn't sure of the cause of that but was working towards resolution. The next phase of testing will be the site acceptance test (SAT). Anything testing difference between the factory acceptance test to site acceptance test will create an addendum to the LTP document. The addendum to the current LTP document will be provided on the 21st. Parsons will be onsite the end of February to the first week in March for the site acceptance test. Ken has condensed some timelines to remain on schedule for June completion and full functionality by August. Ken mentioned there is a large gap in time after the site acceptance test and the system integration test (SIT). He spoke to Parsons about integration informing them that the SRTMC needs to remain operational during all testing.

New Business

- **STA connection update-**

Steve has been working on the connection with STA. STA requested to have access to the SRTMC camera feed. SRTMC has a switch and connection to STA but there is no connection between the switches. Steve attended a meeting with STA, Doug Rice from WSDOT signals and ASG to discuss options. Steve attended another meeting with John Rockwell, the IT manager at STA, to come to a solution to connect the 2 switches together. There will need to be a purchase a fiber transceiver for both switches in order to communicate. This will allow STA access to devices internally so they will be able to view SRTMC cameras. Once the ATMS is operating, SRTMC will be able to access STA's data from their smart bus technology. Looking at the end of next week to have the bulk of the hardware set up. Cost will be around six hundred dollars for both agencies to connect. Eve asked what the anticipated timeframe would be. Steve replied it might be the beginning of March, becoming operational in April. He will have a better update on the timeframe at next month's board meeting.

- **WOWZA server proposal**

Steve brought up the request for an additional hardware server for the Wowza application. Previously when the website and Wowza were installed, they were both put on a single piece of hardware as virtual machines. SRTMC has since added a 2nd CPU and extra ram. Having Wowza and the website running on the same hardware does not allow enough capability. SRTMC has discussed having a new machine just for the webpage to allow more capability and the possibility of adding more cameras. If this request is approved, SRTMC would repurpose the existing server. Installing a new server would

decrease the load and be able to take advantage of having a new server to allow additional connections. The cost would be around \$4700.00 for a new server to run Wowza. Steve gave an example of what the layout would look like. Andy asked if the new server would allow all cameras to play at once. Steve answered that in order to run around 100 cameras we would need 4-5 more Wowza servers. Installing one new server will allow SRTMC to improve and provide a stable platform for potential growth if needed. Sean asked if they were looking at different applications other than Wowza. Steve replied that Wowza is a good application, we haven't found another product that can do the same amount that Wowza does at the same cost. Steve is requesting approval from all agencies to purchase a new Wowza server. Andy asked where the funding comes from. Ken suggested from the 2011 equipment grant. There will be further discussion and meeting next week to discuss funding options.

A motion to approve was made by Sean, seconded by Nate. No discussion, unanimous approval. Motion carries.

- **Regional ITS architecture plan update discussion-**

Ken has met with COS regarding the architecture plan. The plan was last updated in 2013. Ken has been working to find background information from the prior plan. Rene with DKS sent Ken 150mb of files regarding ITS architecture plan from 2013. The plan previously had been updated every three years which would have made it due in 2016. Ken recommends each agency look at the projects within their agency and decide what projects they need to keep and update, which projects they may need to remove and any projects that may need to be added. Ken will be sending a spreadsheet to all agencies with an included comments section for each agency to comment on projects. Ken advised they may not need to bring in a consultant if they keep most of the documentation as is. The update to the ITS architecture plan would take place after ATMS is completed, to allow time for the Board to prioritize projects and look at future funding options. Eve advised the next call for funding is 2018, planning would need to be in place soon for funding to be available in 2021. Nate asked who would be responsible for the region wide projects. Ken said some will be taken care of by the ATMS project and some will be covered by WSDOT.

Ken showed some project information for cost summary by agency. This provides a general idea of the thought behind a certain project and the priority level. Ken is asking each agency to create something similar; a project file for each agency that will provide information and reasoning behind each project.

Agency Updates

- **WSDOT-** Have received funding to fix bridge joints on I-90 that must be spent by the end of June. It is a 40 consecutive day contract where they will be restricting the highway to 2 lanes between Walnut and Hamilton east bound. Walnut on ramps will be closed and Altamont east bound on ramp will be closed for 10 days. The project will start after Bloomsday and will be completed by June 30th.

- **Spokane County-** Small reorganizing for engineering department. Will be adding 4 new engineering positions. They have interviewed and will reorganize once the positions are filled. Looking into closing Monroe for a couple months for new drains and signals.
- **COS-** Division gateway, Monroe/ Lincoln paving, CSO 26, and Sprague going on at the same time as the WSDOT I-90 project. Division St project will be from I-90 to river. Sprague project is to rebuild pavement, sidewalk, new signals and reducing to 2 lanes from Altamont to Helena.
- **SRTC-** Updating long-range plan, should be complete by the end of the year. The application process has closed for new regionally significant projects. Have estimated 1.7 billion in projects until 2040 (30-40 projects). The plan indicates approximately 10 billion in expected revenue for all programs and projects through the year 2040. Currently searching for a new executive director. Have a meeting with Ken Heale and the consultant regarding ATMS and arterial data gathering.
- **COSV-** Have a new CIP manager and a new deputy city manager. Currently have several vacant positions and may introduce reorganization in the future. City hall is continuing on schedule. Working on getting Design plans completed and projects started.

Adjournment

Adjourned 1450