



SRTMC OPERATING BOARD MEETING NOTIFICATION

WHEN: Wednesday, February 15, 2023

TIME: 1:00 PM – 3:00 PM

WHERE: Microsoft Teams meeting:

[Click here to join the meeting](#)

Meeting ID: 259 849 910 765

Passcode: ALSos5

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[+1 206-531-0324,,453156774#](#) United States, Seattle

Phone Conference ID: 453 156 774#

REFERENCE DOCUMENTS:

January 2023 Meeting Minutes

January 2023 Activity Reports

January 2023 Expenditure Summaries

OPERATING BOARD MEETING AGENDA

- 1) **Call to Order:** 1:00 PM
- 2) **Roll Call / Record of Attendance:** Ryan Medenwaldt (SRTMC), Ken Knutson (WSDOT), Mike Kress (SRTMC), Steve Milatz (SRTMC), Glenn Wagemann (WSDOT), David Fletcher (SRTC), Harley Dobson (County), Jeremy Clark (CoSV), Gerald Okihara (City), Melinda Rehfeldt (STA), Ryan Kipp (CoSV), Nate Thompson (County)
- 3) **Public Comments:** No public comments were made.
- 4) **Action – Consent Agenda**
 - a) January 2022 Meeting Minutes
 - b) January 2022 Activity Reports
 - c) January 2022 Expenditure Summaries



Motioned to approve action item 4a made by Gerald, seconded by Glenn. Vote unanimous, carried.

Motion to approve action 4b-4c made by Jerremy, seconded by Gerald. Vote unanimous, carried.

5) **SRTMC Staff Updates**

a) IT Update - Steve/Ryan

Steve worked with Ops staff on workspace layout reconfiguration and re-cabling to remove old equipment and optimize workflow. Attended traffic data accumulator device showcase, worked on reimaging TMC PCs, worked with WSDOT HQ ITD on IRA for software contract approval for 2023-2024 online analytics platform. Attended meetings with WSDOT facilities on TMC relocation, attended WSDOT state of transportation webinar, and WSDOT ER Winter Conference. Steve assisted WSDOT signals to setup a test full color graphics VMS for TMC application integration testing, worked with Traffic Dept to update VDS lane configuration. The updated configuration adds auxiliary on/off ramps to start data collection with online data reporting system. Worked with WSDOT financial management to move SRTMC partner fund holding account to work order to allow charges to be processed. Lastly, Steve is working with WSDOT ER IT Staff to add new user security groups and migrate printer/copier/scanner to the WSDOT network to provide access from TMC Operator laptops.

Ryan has been conducting testing with the color graphics VMS and reviewing documentation and working on getting communications online within the ATMS. He developed a new feature on the SRTMC snapshot page to add bookmarking system allowing users to use a custom snapshot filter. Ryan has been attending TMC remodel discussions and provided technical feedback. Discussed an incident regarding TMC bandwidth issues with how users are accessing CCTV streams online. Ryan suggested the implementation should be re-evaluated as part of the website refresh.

Glenn and Ken further discussed internal implications with CCTV streaming and started a conversation with WSDOT HQ regarding best approach to support this level of service. Further discussion on data security with Attorney General's office and appropriate use of devices on WSDOT right of way.

b) Operations Update – Mike

Mike is continuing to assist the TMC and maintain routine winter operations. Over the weekend, there was a closure of I-90 due to a demolition of the Regal Pedestrian Bridge between Hamilton and Altamont. Overall, traffic impacts of the closure was minimal due to holiday weekend and time of construction. There was one incident where a contractor vehicle was involved in a hit and run, but no injuries occurred. Mike also worked on final trainings for new WSDOT radio systems. The system vendor is making some adjustments to console interface based on staff feedback using the new system. The announcement for the part time TMC operator position is out for application. Applicants will be able to apply for a 3-week period.

6) **Information & Discussion**

a) Exec Board meeting

Ken is working with Exec board members to pinpoint a date for next meeting. Issues with availability has proven challenging to get a date scheduled



across agencies. Planning to add an agenda item to help address future schedule meeting date(s). Will discuss TMC relocation and proposed budget approval.

b) TMC Relocation update

The new storage building is to begin construction which will rehouse all the PE equipment. This is expected to be completed mid-April. A contractor has been selected for the TMC building remodel which they are in process of building a scope of work. The contractor will be performing a walkthrough of the facility to ensure the expectations of the remodel will fall within the allocated project budget of \$1M. There are some concerns regarding the backup generator that may fall outside the project scope, but Glenn believes additional funding will be acquirable should this be the case. Contracting expected to start in June and complete by Jan/Feb of 2024. Meeting with TMC and WSDOT staff to make final changes to floor layout to address server room requirements. WSDOT ER just conducted project kickoff meeting for the communications hub housing SRTMC to house infrastructure. Construction contract will go out to advertisement in September and finalized in Spring/early summer. Completion of both projects likely will not be finalized at same time, but believe this will still be manageable as the TMC should still be operational as long as there is network connectivity. By June of 2024, expectation is the SRTMC will be able to end the lease at the intermodal center. Funding will be supplied by NSC project due to need to facilitate system expansion and increase of ITS devices. There has also been recent proposals of change in state funding may have impacts that could affect project completion dates.

c) Iteris ClearGuide

ClearGuide is Iteris' latest cloud-based roadway performance monitoring tool.

Highlights of system capabilities outlined below:

- Allows users to assess performance measure on corridors, support operations and planning, and promote data driven decision making.
- Data is provided by vehicle probes supplied by Iteris over small roadway links. The data has 1 minute resolution and is aggregated to 5-minutes or greater for easier analytics. Provides real-time and historic data.
- Aggregate speed and travel time data over time – timeseries, time-averaged, or comparison reports for minutes/hours/days/weeks/months
- Easy-to-read reports, charts and diagrams. Export options to csv, excel, json, or image format. Can create and download animations for external use. Animation file format is mp4 and can be exported for sharing.
- Navigate by map or user defined routes. Create unlimited routes to instantly analyze and monitor key corridors, detour routes, etc.
- Specialized reports and modules such as real-time route alerts for operational awareness and top bottlenecks report for long-term analysis.
- Once logged in, landing page provides written and video tutorials to help users get started.
- Route reports include:
 - Timeseries – shows actual data over a user-defined time period
 - Time of Day – shows average data across the day for time range (i.e. how does traffic typically look at 8am?).



- Day of Week – shows average data for each day of the week for a time range (i.e. how do Fridays compare with Mondays?)
- Time of Day + Day of Week – shows average data across the week for time range (i.e. what is the average traffic pattern across all hours of the average week)
- Contours – Visual heat map of congestion over time and space, understand where and when congestion is happening.
- Monthly Contours – Same as contour plots, except there is a plot for each day in a month. Review congestion trends across a month, visually review the route reliability.
- Multi-Route Reports – Compare long-term metrics over multiple routes, before and after studies, quarterly / annual performance reports.
- Clear Guide use cases:
 - Develop a state of the system arterial report for your region.
 - Do a before and after study
 - Evaluate response to an event
 - Prioritize projects
 - Conduct a corridor study
 - Address council or stakeholder technical questions
 - Justify need for upgrading a signal system.
- Curated real-time national incident data available to be layered on map. Can filter by severity, and incident type (options available: crash, breakdown, congestion, planned event, advisory, construction, closure, hazard/debris, weather, or other)
- Ability to create routes (and reverse routes) using UI to intuitively drag & drop and adjust points on map for use in various available reports.
- Clear Guide and PeMS are unconnected - accounts and portal access are completely separate between systems.
- Since Clear Guide data is probe based, it currently does not support traffic volumes and associated reports.
- Supports a signal performance module for ATSMIP Intersection turning movements using controller data. In addition, they can provide estimated turning movements based on probe data.

d) Agency updates

WSDOT – Ken will send email to the board members overview of Inrix services. Included is data use agreement which will need to be signed by each agency before access can be granted. A meeting likely to be held around the 1st of March.

SRTC – No significant updates to report. David would like to request SRTC members Mike Ulrich, Eve Nelson to also be granted trial access to Inrix platform.

CoSV – New traffic signal at Broadway / Park by end of year. Will be replacing wiring and reconfiguration of signal phasing at 4th / Sullivan, site to also include a new CCTV.



CoS – Starting in March, the City will be closing TJ Menoch for the spring and summer seasons. Sewer department seeking to be added to their fiber communications for added support for their SCADA systems.

STA – No significant updates to report.

County – Lincoln from Crestline to Market going out to bid this week. Bigelow gulch project 2 likely to last 2 years. The second year of the project is expected to include road closures.

- e) Future agenda items
No future agenda items discussed.
- f) Adjournment: 3:06 PM Motioned by Glenn, seconded by Harley. Vote unanimous, carried