

PACTS RTMS Subcommittee Meeting AGENDA

Tuesday, April 13, 2021

10:00 AM – 11:30 AM

Remote Meeting

Zoom:

<https://us02web.zoom.us/j/86529971255>

Call in: (301) 715-8592

Meeting ID: 865 2997 1255

As of March 31st, 2020, PACTS and GPCOG are holding all committee meetings via [Zoom conferencing technology](#). We remain committed to full public access and participation in our meetings through remote access during the COVID-19 crisis. Remote meetings will be held in accordance with the requirements of [LD 2167, Public Law Chapter 618](#).

Both the chat and Q&A features will be turned off during PACTS and GPCOG meetings to ensure full public access to telephone participants and to avoid the confusion of side conversations.

Public comment will be taken verbally during the public comment period. Members of the public who wish to speak should “raise their hands.” Participants joining by computer or mobile app can click on the “Raise Hand” button. Participants joining by telephone can dial *9.

1. Welcome – Jeremiah Bartlett, Chair

2. Public Comments

The public will have an open comment period with a 3-minute limit per individual to comment on any issue, including items on the agenda.

3. Acceptance of 2/9/20 Minutes (Attachment A) – 5 min.

4. Missing Inventory Information (Attachment B) – 15 min.

Sebago Technics has requested information from the municipalities regarding the region’s signals. From the information submitted and information that they had from previous projects, Sebago Technics has compiled a list of intersections with missing or inadequate inventory information. To complete their contracted tasks, Sebago proposes to inventory the signals and update the database this summer.

Recommended Action: For information and discussion only

5. System Engineering Survey Results – 30 min.

At the February 9th RTMS subcommittee meeting, Sebago Technics presented cost information for three different options to upgrade the PACTS RTMS Server and Software. They also sent out a survey to municipalities to gather the priorities going forward for the PACTS RTMS server. Sebago Technics will show the results of the survey of members' RTMS priorities and how the different system architectures meet those priorities.

Recommended Action: For information and discussion only

6. Funding Options – 10 min.

Congresswoman Pingree's office notified GPCOG of an opportunity for potential transportation earmark funding and asked PACTS to provide priority projects for her to consider submitting for funding. On April 6, the Executive Committee approved a list of projects, which included the PACTS RTMS server upgrade, to submit to Congresswoman Pingree's office and to MaineDOT for inclusion in MaineDOT's statewide list.

Recommended Action: For information and discussion only

7. MaineDOT Signal Initiatives – 30 min.

Steve Landry will present an update on MaineDOT's signal initiatives and projects and will answer questions afterward.

Recommended Action: For information and discussion only

8. Other Business

9. Adjourn.

PACTS Regional Traffic Management System Committee Meeting Minutes

Tuesday, February 9, 2021

10:00 AM -11:30 AM

Remote Meeting

In Attendance:

| Committee Members | Affiliation | Attendance |
|-----------------------------------------------------|--------------------|-------------------|
| Tom Milligan | Biddeford | Y |
| Bob Burns, Vice Chair | Gorham | Y |
| Steve Landry | MaineDOT | Y |
| Jeremiah Bartlett, Chair | Portland | Y |
| Travis Moore | Saco | Y |
| Stephen Buckley | Scarborough | Y |
| Justin Gove | South Portland | Y |
| Katherine Kelley | Westbrook | N |
| Mark Arienti | Windham | Y |
| | | |
| Guests | | |
| Jeff Demers | Biddeford | |
| Craig Chekan | Biddeford | |
| Brad Lyon | Sebago Technics | |
| Curtis Thompson | Sebago Technics | |
| John Adams | SLR | |
| | | |
| For GPCOG | | |
| Elizabeth Roberts, Harold Spetla, and Chris Chop | | |

1. Welcome- Jeremiah Bartlett, Chair

Jeremiah opened the meeting at 10:05 AM and Harold Spetla conducted roll call attendance.

2. Public Comments

There was no public comment.

3. Acceptance of 10/28/20 Minutes

There were no comments on the 10/28/20 meeting minutes. Jeremiah Bartlett moved to approve the minutes, Stephen Buckley provided the second. All voting members voted in favor of approving the 10/28/20 meeting minutes.

4. Re-distribute Funds in the Consultant's Tasks

Elizabeth Roberts introduced the staff recommendation to re-distribute 250 hours from Task 2 and 3 to Task 6 in the consultant's contract. At previous meetings municipalities expressed little interest in selecting signals for an assessment of RTMS communications network and signal equipment. Several municipalities did express a desire for more consultant hours dedicated to responding to municipal requests. The proposal would reduce the inventory task from 525 hours to 250 hours.

Brad Lyon further explained that the original scope of work accounted for performing inventory on up to 125 signals. Following Sebago Technics' communication with municipalities, the number of signals needing to be inventoried was between 60 and 80. The budget hours for this task were reduced because the consultant received more signal information from municipalities than originally anticipated.

Stephen Buckley asked why the original amount budgeted to RTMS was reduced by nearly half. Elizabeth noted that the original amount was \$250,000 and that was reduced to approximately \$168,000, the difference being reallocated to other projects within the PACTS Unified Planning Work Program.

Stephen expressed concern that the PACTS RTMS server is currently operating beyond the life expectancy and noted that RTMS funding was insufficient to address immediate regional needs. Stephen did note Scarborough's support for reallocating funds from Tasks 2 and 3 to Task 6.

Tom Milligan requested a copy of the written contract between PACTS and Sebago Technics and Milone and MacBroom.

Jeremiah Bartlett motioned to approve the redistribution of 250 hours from Tasks 2 and 3 to Task 6 in the in the consultant's contract, Bob Burns provided a second. All members voted in favor.

5. Signal data collected

Brad Lyon asked municipalities to provide any and all signal information to develop a master plan for a central system—the information requested is for controller brand, ethernet capability, and the communication network that is present.

Curtis Thompson introduced the Power BI software with master list and mapping tool. Brad re-emphasized that a full cabinet inventory is necessary to arrive at a master plan. If municipalities can provide more information, then more time can be allocated to other consultant tasks. Brad mentioned that they currently estimate the need to go into the field to inventory between 60-80 controllers.

Mark Arienti noted that Windham might be able to provide additional info to supplement the inventory.

Brad added that establishing the capacity to maintain the system is equally, if not more, important as establishing the system itself. Jeremiah Bartlett added that the City of Portland ran into this issue recently. Jeremiah noted that municipalities will need to be willing to “step up” and contribute more to maintain the system.

Justin Gove asked about the timeframe and the contingency plan for the RTMS server. Brad responded that PACTS really doesn’t have a contingency plan. Brad added that there are some temporary emergency measures involving a cloud-based server but the costs have not been evaluated. Brad also responded that the timeframe is dependent upon the server architecture that PACTS selects.

Stephen Buckley asked for clarification about how the signals would fall out of coordination if the server were to fail. Brad speculated that the signal timing would fall out of sync over an undetermined time—Brad referred to this as “drift.” Potentially, signals could be manually adjusted, if necessary, but the remote adjustments would be disrupted.

Elizabeth asked municipalities for feedback on how much time they need to provide information to Sebago Technics. Brad added that there was missing information from Windham, Gorham, Biddeford, Saco, and Portland. Tom Milligan asked for a template for municipalities to fill in. Brad offered to produce a template in Excel on a community-specific basis. Jeff Demers added that Biddeford recently performed a citywide inventory and could provide that information.

6. Discussion of RTMS Server/ ATMS.now

Brad Lyon summarized the current state of the PACTS RTMS network, noting that the network is divided. Brad mentioned that there is a StreetWise server at Western Ave Fire Station which hosts for South Portland and part of Scarborough, ATMS.now in Portland, a cloud-based ATMS.Now server for Biddeford, Saco, and Gorham, and an Eagle system on Route 1 in Scarborough.

Brad noted that one of the goals of the RTMS is to move to a central server. Sebago Technics has been working with HighwayTech (the host of the ATMS.now server in Biddeford/Saco) and Coastal Traffic (who produce a “vendor neutral” server, compatible with multiple software). More research is needed from the consultant prior to recommendations.

Curtis Thompson presented the three different options within the meeting packet—1) upgrade the Portland ATMS.Now server, 2) a cloud-based ATMS.Now server, 3) an NTCIP Based Central System. Curtis provided an overview of the actions and costs required for each implementation strategy.

Tom Milligan asked if there would be an annual maintenance fee and who would cover the cost. Curtis noted that 7 years would be approximately \$178,000, or \$10,000-15,000 per year, for ATMS.Now and roughly double for the cloud-based server. Elizabeth acknowledged that the cost share would likely need to be a discussion at a future meeting—noting it could be split by number of signals or by municipality.

Jeremiah Bartlett suggested that Option 3 (NTCIP Based Central System) could be problematic because some controllers are too old to be compatible with the necessary equipment.

Stephen Buckley speculated that the cost estimates appeared to be on the low end. Brad agreed and added that ongoing costs will be higher.

Justin Gove noted a few funding opportunities through PACTS. Elizabeth noted that she had submitted the RTMS project as a placeholder for potential stimulus funding. Elizabeth confirmed with Brad that the work can be phased out incrementally.

7. Adjourn.

Jeremiah Bartlett made the motion to adjourn and Bob Burns provided a second. All were in favor of adjournment 11:35 AM.

Proposed RTMS Traffic Signal Inventory List

| MDOT Node | Municipality | Major St | Minor St |
|-----------|--------------|-------------------|-----------------------------|
| 58334 | Biddeford | Alfred St | Biddeford Connector |
| 58994 | Biddeford | Alfred St | Home Depot Ent,New Life Ent |
| 64109 | Biddeford | Alfred St | Biddeford Crossing Ent |
| 54182 | Biddeford | Alfred St | Walmart Ent |
| 56882 | Biddeford | Alfred St | Edwards Av |
| 59159 | Biddeford | Alfred St | W Cole Rd |
| 54740 | Biddeford | Alfred St | Jefferson St,Pool St |
| 54722 | Biddeford | Pool St | Hill St |
| 58434 | Biddeford | West St | Hill St |
| 17167 | Gorham | Main St | Mosher Rd |
| 15625 | Gorham | South St | Weeks Rd |
| 12691 | Portland | Brighton Av | Dartmouth St |
| 12700 | Portland | Brighton Av | St John St |
| 12868 | Portland | Brighton Av | Woodford St |
| 13054 | Portland | Brighton Av | Rand Rd |
| 13086 | Portland | Brighton Av | Capisc St |
| 13102 | Portland | Brighton Av | Warwick St,Rowe Av |
| 13149 | Portland | Brighton Av | Taft Av |
| 19569 | Portland | Brighton Av | Barron Ctr |
| 10097 | Portland | Congress St | Unum Park Dr |
| 18490 | Portland | Congress St | Skyway Dr |
| 19901 | Portland | Congress St | Johnson Rd |
| 19037 | Portland | Cumberland Av | Preble St |
| 16836 | Portland | Forest Av | Marginal Wy |
| 16841 | Portland | Forest Av | Falmouth St,Preble St |
| 16860 | Portland | Forest Av | Walton St |
| 16870 | Portland | Forest Av | Stevens Av,Bishop Av |
| 16872 | Portland | Forest Av | Allen Av |
| 16874 | Portland | Forest Av | Warren Av |
| 19049 | Portland | Forest Av | Park Av |
| 16833 | Portland | Park Av | State St |
| 19737 | Portland | Skyway Dr | I-95 Exit 46 NB Ramps |
| 19739 | Portland | Skyway Dr | I-95 Exit 46 SB Ramps |
| 63191 | Portland | Fore River Pky | Mercy Hospital Ent |
| 16748 | Portland | St John St | Valley St |
| 18964 | Portland | Center St | Fore St,Pleasant Av |
| 16818 | Portland | Congress St | State St |
| 16825 | Portland | Congress St | Deering Av |
| 18819 | Portland | Congress St | Washington Av |
| 18997 | Portland | Congress St | Preble St |
| 19209 | Portland | Congress St | Fore River Pky |
| 69106 | Portland | Congress St | Caleb St,Lassell St |
| 19029 | Portland | Cumberland Av | Forest Av |
| 19042 | Portland | Cumberland Av | Washington Av |
| 19130 | Portland | Danforth St | York St |
| 18528 | Portland | Forest Av | High St Ext |
| 12631 | Portland | Park Av | Deering Av |
| 18538 | Portland | Park Av | High St |
| 19067 | Portland | Park Av | Mellen St |
| 18814 | Portland | Pearl St | Middle St |
| 18815 | Portland | Pearl St | Fore St |
| 16814 | Portland | State St | Danforth St |
| 16816 | Portland | State St | Spring St |
| 12842 | Portland | Stevens Av | Pleasant Av |
| 13190 | Portland | Stevens Av | Walton St |
| 15537 | Portland | Johnson Rd | Skyway Dr |
| 16847 | Portland | Forest Av | Ashmont St |
| 16851 | Portland | Forest Av | Revere St |
| 15893 | Portland | Riverside St | Warren Av |
| 63963 | Portland | Riverside St | Home Depot Ent |
| 63966 | Portland | Riverside St | Westbrook Crossing Ent |
| 16852 | Portland | Forest Av | Deering Av |
| 12928 | Portland | Brighton Av | Stevens Av |
| 19910 | Portland | Congress St | International Pkwy |
| 16845 | Portland | Forest Av | Dartmouth St |
| 18523 | Portland | Marginal Wy | Preble St |
| 16813 | Portland | State St | York St |
| 16853 | Portland | Forest Av | Ocean Av |
| 17032 | Portland | Allen Av | Plymouth St |
| 16830 | Portland | Cumberland Av | State St |
| 13321 | Portland | Forest Av | Riverside Ind Pkw |
| 16884 | Portland | Forest Av | Newton St |
| 13370 | Portland | Ocean Av | Read St |
| 16770 | Portland | Park Av | St John St |
| 59824 | Portland | Rand Rd | I-95 Exit 47 Ramps |
| 69124 | Portland | Veranda St | Martins Point Trail |
| 60469 | Portland | W Commercial St | Cassidy Point Dr |
| 16780 | Portland | W Commercial St | Beach St |
| 15610 | Scarborough | Mussey Rd | Gorham Rd |
| 16410 | Scarborough | Mussey Rd | Spring St |
| 17179 | Westbrook | Main St | Spring St |
| 15048 | Westbrook | County Rd | Spring St |
| 16894 | Westbrook | Bridgton Rd | East Bridge St |
| 16896 | Westbrook | Bridgton Rd | Brook St |
| 16917 | Windham | Roosevelt Trl | River Rd |
| 14822 | Windham | Falmouth Rd | Tandberg Trail |
| 15732 | Windham | Windham Center Rd | Gray Rd |