



ACEC-VT / VTRANS QUARTERLY MEETING NOTES

Location: VTrans – Davis Building, 5th Floor Main Conference Room

Date: June 13, 2018

- Program discussion and General Meeting 10:00 am – 11:30 am
 - Next Meeting: September 12, 2018
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TSMO Statewide Traffic Signal Plan:

Joshua Schultz – TSMO Manager

Derek Lyman – Traffic Signal Operations Engineer

Spencer Palmer – AOT Tech VI, Traffic Signal Operations

General TSMO Information & Background

- Traffic Systems Management and Operations (TSMO) is a division of the Maintenance and Operations Bureau (MOB)
- TSMO was formed within last 3 years to focus purely on Traffic Signal performance
- This group began by identifying need for proactive attention to signals (necessary updates identified included: remote connections, vehicle detection technology implementation, etc.)
- After first year TSMO staff determined there was a need for a plan – maintenance, design, management of signals (Statewide Traffic Signal Plan), to which they are now beginning operational implementation
- Through some internal restructuring - District Maintenance now reports to TSMO – helping to provide better consistency and support throughout the Districts.

Demo on Traffic Signal Cabinet

- There is a general preference for Econolite Control Products – this allows for VTrans staff to be better trained for managing equipment and troubleshooting issues.
- Derek provided a demonstration of the backup system that immediately initiates the signals into flashing mode if system not functioning correctly – This has helped with confidence from Emergency Services. System also reports what the problem is that triggered it.
- A general word of caution on the recent findings regarding the quality of manufacturing of relays. VTrans has seen an increase in number of relays needing to be changed per year. Maintenance has learned to check performance of relays when a signal is not functioning properly.



- It is recommended to spec the cabinet with Garmin GPS – this is in the current specification – updates clock in cabinet (around \$200 accessory – worth the investment)

Question: How many signals across state?

- VTrans is responsible for 157 signals statewide

TSMO Goal to strengthen partnership with municipalities on managing signals. Potential to partner with Towns to have remote monitoring/possibly inspection, but not maintaining. Some current corridors exist with joint jurisdiction.

Question: Does VTrans use detection for traffic counts?

- Just getting started. Will have cameras with counts in 18 intersections in Williston/Essex. Will have automated Traffic System Performance Measures. Pilot Project

Demonstration of internal website – ATSPM (Automated Traffic System Perf Management)

- Website takes data and aggregates for summarized performance data down to the minute. Beta-testing (Demo by Spencer Palmer)
- Goal to use website to show needs/benefits
- By end of year 25% of system will be connected
- Will ideally share the website with Municipalities and RPCs
- Derek provided a review of one of the data summaries - Purdue Phase Termination – shows gap outs in signal timing and max out on phases to optimize timing

Demonstration of Centrac (Econolite) Advanced Traffic Management Software

- Centrac is a remote timing software
- VTrans staff can remotely update timing – demo'd sending signal into flash
- An alert is sent to VTrans staff when changes are made or cabinets opened
- Staff can remotely set a recall mode in until a tech can access the cabinet
- The software provides detail of error/issue which allows techs to know issue and bring correct equipment or sometimes fix remotely
- Cost – around \$200,000 for install of system for multiple signals (needs a number of signals to be cost effective)

Miovision TrafficLink

- Provides similar capabilities to Centrac, but operates on a cellular connection for remote signals – pay individually \$600-1000/year on cellular costs and data hosting
- TSMO staff are working with IT to get a formal VPN tunnel to access 3rd party database.

Traffic Signal Operation Assets Database (asset management)

- GIS (ESRI based)
- Good for field applications – can use from handheld devices for checklist/work orders/track maintenance



Review of new Manual for Procurement, Management and Administration of Design and Engineering Services:

Michelle Anderson – Chief of Contract Administration

- General Terms & Conditions are now attached to all standard service contracts for design engineering. (replacing the old “orange” specs)
- Reason for change was to meet FHWA 23 CFR Part 172 (old specs and processes did not comply)
- Provides clear definition of what design and engineering service is (Brooks Act/QBS)
- Removal of prequalification process – not relevant – retainers are preference
- 2nd tier of QBS selection – For IDIQ type contracts, the consultant selection for assignments will be QBS and this will be tailored to the procurement (internal with uniform process for PMs). Goal to reduce burden on Consultants and PMs –standard forms being developed. Process will justify and document the selection and promote fairness.
- Increased MLA – allows for better QBS selection
- Greater emphasis on – monitoring contractor (designer) performance, contractor accountability for errors and omissions, defining conflicts of interest
- General Terms
 - i. Removal of Terms better located in SOW or payment provisions
 - ii. Marketing clause –details when and how a contractor may describe VTrans work in marketing and promo materials.
 - iii. Updated insurance requirements – verify when preparing Cert of Insurance.
- Emphasis on open communication on items surrounding conflict of interest – VTrans is open to working on potential solutions together when possible

Discuss Review and Appraisal Services RFQ:

- Not many bids came in on this RFQ
- VTrans exploring whether this can be done as a subcontract through current retainers.
- Most appraisal firms are smaller in size so may be best to broaden resources pool and allow through current contracts

Question – can billing be done by standard billing rates a straight pass through?

Answer – it depends on a number of variables and should be coordinated with VTrans

General Meeting

Contract Administration

- Upcoming RFP's – See attached list
- Contract Admin is slowed down right now because of the fire

4th Annual Vermont Transportation Technical Transfer Session Update – Dale Gozalkowski & Ken Robie



- Process starts late summer/early fall
- Ken Robie will stay involved – Dale, as new ACEC-VT Board President, will stay involved and will announce new lead from ACEC-VT
- 2019 Will be in March again – full day event depending on number of presentations
- Priority given to presentations that provide NY PDH's but not necessarily if topics are well suited for the event
- Goal to have 1 or more collaborative VTrans/Consultant presentations
- September formal solicitation for presentations (categories, unique and interesting, Vermont and regional projects...)

ACECVT - <http://www.acecv.org/>

Events, recent and scheduled:

- New President and officers: (See below)
- ACECVT BOD Meetings
 - Last held May 30, 2018 at Stantec Office
 - Next meeting June 27, 2018 at Stantec office
- ACECVT Emerging Leaders Forum Next Date TBD
- 2018 ACEC EEA Awards – VTrans Projects
 - New Haven Bridge Replacement – Transportation Grand Award
 - Ludlow BRF 025-1 (42)VT 103 (Main St) over Black River – Transportation Merit Award
 - Methods and Tools for Transportation Resilience Planning in Vermont – Grand Award in Cat F - Studies Planning and Consultant Engineering Services

FHWA Updates:

Matt DiGiovanni.

- No changes anticipated for Buy America
- May be potential for loosening of proprietary products – boost innovation

And Morse

- VTrans is sponsoring gov't matchmaking and contractors event in Killington
- Next week – will have federal, state, small/large contractors, DBE's and SBE's...
- Registration is available

VTrans Offices Fire Update - Ken Robie

- Large-scale impacts to Project Delivery Bureau
- Staff are scattered throughout VTrans Buildings in Barre / Montpelier area
- No schedule for when staff will be moving back in

Prepared by: Jon Olin

ACECVT/VTrans Committee



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ACEVT - VTTrans Meeting - 6/13

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